



**KOSO**   
**NORTH AMERICA**

[www.kosonorthamerica.com](http://www.kosonorthamerica.com)

**2026**

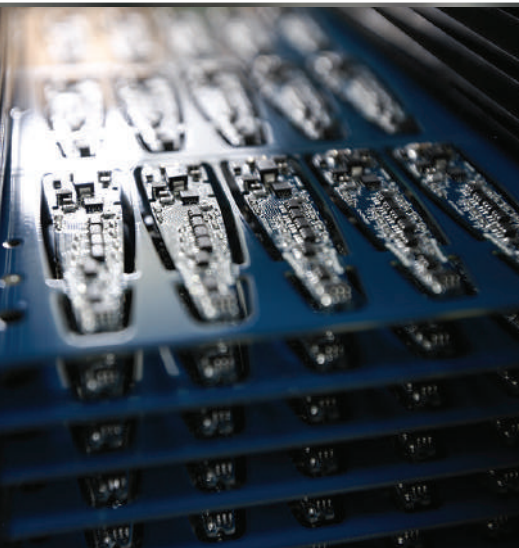
# Koso's philosophy

---

Koso, a synonym for quality and performance. With more than 35 years of experience designing and manufacturing high quality products, Koso has become well known across the powersports and OEM industries for its good reputation for reliability, innovation and capability. Whether we are manufacturing a product under private label, OEM or aftermarket products quality always remains our top priority. Innovation and creating new technologies are the keys to Koso's philosophy and drives us to continue pushing the limit further.

For several years now, Koso has had the opportunity to work with an outstanding team of engineers. Along with our state of the art testing equipment and production facilities, Koso has remained a leader in analog and digital technology. Koso produces a wide range of quality gauges/ gauges, heated equipment, LED indicators taillights and headlights as well as mirrors and engine parts. Koso is proud to offer a complete line of quality products for serious riders.

**KOSO**   
NORTH AMERICA





# Gauges



# RX-5

part

## BA062010

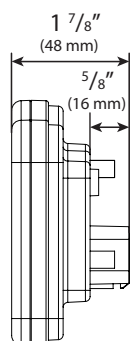
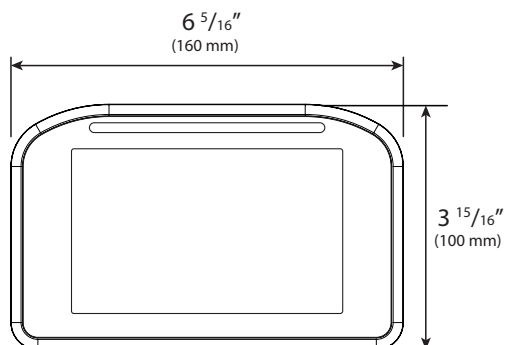
Fits R1200GS 2013 to 2017

## TFT multifunction gauge - for BMW® (R1200GS 2013 to 2017)

Our new RX-5 multifunction meter with TFT display is the perfect plug and play meter for the BMW® R1200GS. This easy to install gauge features a wide screen for improved viewing like no other standard meter, while also adding an innovative look to your bike. The RX-5 allows you to connect your phone through its Bluetooth® option to monitor your incoming calls, the navigation system, the arrival time and much more. Featuring speed, odometer, tripmeter, hour meter, fuel meter, voltage, clock and stopwatch as well as 10 indicator lights, this meter will provide you with all the data you need.



**PLUG N PLAY**



## Specifications

- **Speedometer**  
R: 0 ~ 360 km/h (0 ~ 225 MPH)  
U: 1 km/h (MPH) Switchable
- **Odometer**  
R: 0 ~ 99,999 km (mile) and then returns to zero | U: 1 km (mile)
- **Trip A (Trip Auto)**  
R: 0.0~9,999.9 km (mile) | U: 0.1 km (mile)
- **Trip 1, 2**  
R: 0.0~9,999.9 km (mile), can be returned to zero manually | U: 1 mile (km)
- **RDTIME**  
R: 0~99,999.9 hr and then returns to zero  
U: 0.1 hr
- **Time 1, 2**  
R: 0.0~9,999.9 hr and then returns to zero ; can also return to zero manually  
U: 0.1 hr
- **Max. speed**  
R: 0~360 km/h (0~225MPH)  
U: 1 km/h (MPH)
- **Service Date(SERV T)**  
R: YYYY.MM.DD; can be reset manually
- **Gear Meter**  
R: N, 1~ 6
- **Tachometer**  
R: 0~10,000 RPM
- **Shift Light**  
Setting range : 2,000~10,000 RPM  
Setting unit : 100 RPM
- **Max RPM**  
R: 0~10,000 RPM
- **Riding mode**  
R: RAIN, ROAD, DYNA, ENDURO, ENDURO PRO, DYNA PRO
- **Engine Oil Level warning**  
R: OK, CHECK, ---
- **Digital ENG Thermometer**  
R: 0.0~250.0°C (32.0~482°F) | U: 0.1 °C (°F)
- **ENGTMP Level**  
R: Six Level, 0~120°C (32~248°F)  
U: Starts from 0°C, and each stage is 20°C
- **ENGTMP warning**  
Setting range : 60~250 °C (140~482°F)  
Setting unit : 1 °C (°F)
- **Max ENGTMP**  
0~250 °C (32~482°F)
- **Air TEMP.**  
R: -39.5~87.0°C (-39.0~188.0°F) | U: 0.1 °C (°F)
- **Engine failure warning**  
R: ! CHECK, !! CHECK, CHECK
- **Fuel meter**  
R: 0~100 % | U: 1%
- **Fuel Level**  
R: Six Levels, 0~100 % U: each stage is 16.6 %
- **Fuel warning setting**  
R: 10~50 % | U: 10 %
- **Fuel Range**  
R: 0~999km (mile) | U: 1km (mile)
- **Date**  
Setting range (year): 2021 ~ 2099 | (month): 1 ~ 12 | (day): 1 ~ 31
- **Clock**  
Setting range: 00:00 ~ 23:59 (24H),  
01:00 ~ 12:59(12H)
- **Voltmeter**  
R: DC 8.0~18.0 V | U: DC 0.1V
- **Volt Level**  
R: Six Levels, DC 11.5~14.5 V | U: Starts from DC 11.5V, and each stage is 0.5V
- **Low voltage warning**  
R: DC 8.0~13.0 V | U: DC 0.1 V
- **High voltage warning**  
R: DC 13.1~18.0 V | U: DC 0.1 V
- **Tire pressure**  
R: 0.0~3.5 bar(1~50 psi 7~344kPa, 0.0~3.5kg/cm2), ---.- | U: 0.1 bar(1 psi, 1kPa, 0.1kg/cm2)
- **Tire pressure warning**  
R: normal, tire pressure reaching the permitted scope of tolerance, excessive tire pressure RDC abnormal
- **Heated grip**  
R: OFF, 50%, 100%
- **Mobile phone network signal**  
R: 1~4 segments (Android supported, iOS not supported.)
- **Phone battery**  
R: 1~33%, 2~3 segments (2 segments=34~66%, segments=67%~100%)  
U: %, 1 segment
- **Bluetooth® connection status**  
R: Steady(connected), OFF(Not connected)
- **Push notification**  
R: Name: One line; no display when exceeding the range | Content: One line; no display when exceeding the range(iOS supported, Android not supported.)
- **Estimated turning distance**  
R: 0~999m 1~999km (0~528ft, 0.1~999.9mile)  
U: 1m, 1km (1ft, 0.1mile)  
(Android supported, iOS not supported.)
- **Estimated arrival time**  
R: 00:00 ~ 23:59 (24H) 1:00 ~ 12:59 (12H)  
(Android supported, iOS not supported.)
- **Estimated arriving distance**  
R: 0~999m 1~999km (0~528ft 0.1~999.9mile) | U: 1m 1km (1ft 0.1mile)  
(Android supported, iOS not supported.)
- **Incoming phone call notice**  
R: name or number ; "No Caller ID" is displayed when there is no name or number.
- **Background display**  
Setting range : Auto(automatically switch according to ambient light : day mode display for abright environment and Night mode display for a dark environment), Day mode, Night mode.r.
- **Back light brightness (Day)**  
Setting range : 1/5~ 5/5 | Setting unit : 1/5
- **Unit**  
Speed unit : km/h , MPH  
Temperature unit : °C (Celsius) and ° F (Fahrenheit)  
Tire pressure unit : bar, psi, kPa, kg/cm2  
CONS unit : L/H, G/H  
Ø CONS unit : L/100km, km/L, MPG (UK), MPG (US)
- **Voltage**  
DC 12 V
- **Operating temperature**  
-20~ 85 °C
- **Storage temperature**  
-30~ 90 °C
- **Specification**  
JIS D 0203 (S2)
- **Meter Size**  
453.5 x 283.5 x 136.0 mm
- **Meter Weight**  
Around 320 g
- **Indicator lights**  
Left indicator light(Green) / Neutral light (Green) / ASC light (Amber) / Engine Oil Level Warning (Red) / Engine light (Amber) / Right indicator light (Green) / High beam light (Blue) / ABS light (Amber) / Composite warning light (Red/ Amber) / Light sensor & DWA light (Red) /



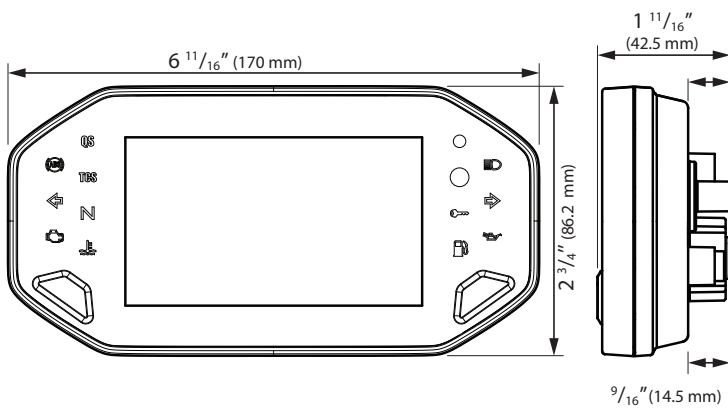
# RX-4

part  
**BA081010**

## Multifunction TFT gauge (Universal version)

Featuring speed, odometer, tripmeter, hour meter, voltage, clock and a stopwatch as well as several indicator lights, the new universal version of the RX-4 meter will provide you with all the data you need for your next trip.

This multifunction meter allows you to connect your phone through its Bluetooth option for a unique experience like no other standard meter. You can monitor your incoming calls, display song details and much more. With its easy to use and large display functions, the RX-4 is the perfect meter to give a modern look to any types of bikes.



## Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer (internal and external)**  
R: 0 ~ 999,999 miles (km) and then return to zero | U: 1 mile (km)
- **Trip meter A, B**  
R: 0 ~ 9, 999.9 miles (km), may return to zero manually  
U: 0.1 mile (km)
- **Motor oil maintenance**  
R: 500 ~ 16,000 km(300~10,000 mile),OFF  
U: 100 km(mile)
- **Speeding warning setting**  
R: 30~360 km/h (20~225 MPH), when setting value is reach or above, warning light will illuminate. | U: 1 mile (km)
- **Max. speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Circumference**  
R: 300~2,500 mm | U: 1 mm
- **Sensitive point**  
R: 1~20 P | U: 1 P
- **Gear Meter**  
R: N, 1 ~ the highest gear, (the highest gear shall be based on the gear learning)
- **Max. gear indicator**  
R: N, 1 ~ the highest gear, (the highest gear shall be based on the gear learning), may return to zero manually.
- **Tachometer**  
R: • 0 ~ 10,000 RPM  
• 0 ~ 12,500 RPM  
• 0 ~ 15,000 RPM  
• 0 ~ 18,000 RPM
- **Pre-shift light warning setting**  
R: • 1000 ~ 10,000 RPM  
• 1000 ~ 12,500 RPM  
• 1000 ~ 15,000 RPM  
• 1000 ~ 18,000 RPM  
U: • 100 RPM
- **Shift light warning setting**  
R: • 1000 ~ 10,000 RPM  
• 1000 ~ 12,500 RPM  
• 1000 ~ 15,000 RPM  
• 1000 ~ 18,000 RPM  
U: • 100 RPM
- **Max. rotating speed**  
R: • 0 ~ 10,000 RPM  
• 0 ~ 12,500 RPM  
• 0 ~ 15,000 RPM  
• 0 ~ 18,000 RPM
- **The RPM input signal number setting**  
R: 0.5,1.0~24.0
- **The RPM input pulse**  
R: Low-Act, High-Act
- **Thermometer A, B**  
R: 0.0 ~ 250.0 °C (32.0 ~ 482.0 °F)  
U: 0.1 °C (°F)
- **Meter weight** Around 246.0 g
- **Overheat warning A, B setting**  
R: 60 ~ 250 °C (140 ~ 482 °F), when setting value is reached , the color of the number turns to red and flashes.  
U: 1 °C (°F)
- **Max. temperature A, B record**  
R: 0.0 ~ 250.0 °C (32.0 ~ 482.0 °F), may return to zero manually.  
U: 0.1 °C (°F)
- **Fuel meter**  
R: 6 levels (0~100%) | U: 1 level = 16.6 %
- **A/F ratio meter**  
R: 12.1~17.5 | U: 0.1
- **Fuel Gauge Resistance (Ω)**  
R: 100 Ω, 250 Ω, 270 Ω, 390 Ω, 510 Ω, 1200 Ω, SW, learning mode,OFF
- **Fuel warning setting**  
R: 0 ~ 3/6, when setting value is reached or below, warning light will illuminate.  
U: 1
- **Clock**  
R: 12 H or 24 H format
- **Perpetual calendar**  
R: • 2021 ~ 2099 (year)  
• 1 ~ 12 (month)  
• 1 ~ 31 (day)  
• MON ~ SUN (week)
- **Volt meter**  
R: DC 8.0 ~ 18.0 V | U: DC 0.1 V
- **Low voltage warning**  
R: DC 8.0 ~ 13.0 V | U: DC 0.1 V  
D: LO ≤ value, numbers will turn red and flashes.
- **High voltage warning**  
R: DC 13.1 ~ 18.0 V | U: DC 0.1 V  
D: HI ≥ value, numbers will turn red and flashes.
- **Target speed**  
R: 20 ~ 225 MPH (30 ~ 360 km/h)  
U: 5 km/h (MPH)
- **Target distance**  
R: 1/32 ~ 30/32 mile (50 ~ 1,500 m)  
U: 1/32 mile (50 m)
- **Top speed**  
D: • Speed : 0 ~ 225 MPH (0 ~ 360 km/h)  
• Distance : 0 ~ 999 m (0~3,280 feet)  
• Rotating speed: 0 ~ 10,000 RPM / 0 ~ 12,500 RPM / 0~15,000 RPM / 0 ~ 18,000 RPM  
• Time : 0 ~9 : 59'99
- **Bluetooth connection status**  
Operating system :  
• iOS : iOS 5.0 and above  
• Android : Android 9 and above
- **Phone battery** R: 3 segments
- **Incoming phone call**  
D: • **Name or number** up to 12 letters  
• "..." displayed if > 12 letters  
• "Unknown" displayed when there is no name  
• iOS - shows either name or number of the incoming call  
• Android - shows number only
- **Incoming online App call**  
D: • **Name** up to 12 letters  
• "..." displayed if > 12 letters  
• "Unknown" displayed when there is no name  
App: LINE, WeChat, WhatsApp  
Operating system:  
■ iOS : supported  
□ Android : not supported
- **Music playing info**  
D: • **Song** 15 letters / "..." if > 15 letters  
• **Artist** 18 letters / "..." if > 18 letters  
• **Total song time**: 00:00 ~ 9:59:59  
• Operating system (for total time):  
■ iOS : supported  
□ Android : not supported  
• **Current playing time**: 00:00 ~ 9:59:59  
• Operating system (for current time):  
■ iOS : supported  
□ Android : not supported
- **Push info**  
D: • **Name** 4 letters / "..." if > 4 letters  
• **Content** 17 letters / "..." if > 17 letters  
• Operating system:  
■ iOS : supported  
□ Android : not supported
- **Background display**  
R: Auto(automatically switch according to the light : day mode display for abright environment and Night mode display for a dark environment), Day mode, Night mode.
- **Back light brightness (Day)**  
R: 1/5(Darkest)~ 5/5(Brightest) | U: 1/5
- **Back light brightness (Night)**  
R: 1/5(Darkest)~ 5/5(Brightest,need < the setting value of backlight brightness  
U: 1/5
- **Backlight color**  
R: blue, green, orange, white
- **Indicator lights**  
ABS / Left turn signal / Check Engine / Neutral / Composite warning light (Red) / High beam / Right turn signal / Motor oil (maintenance) /
- **Effective temperature range**  
-4 ~ 185 °F (-20 ~ 85 °C)
- **Storage temperature range**  
-22 ~ 194 °F (-30 ~ 90 °C)
- **Operating Voltage**  
DC 12V
- **Unit**  
Speed unit : km/h , MPH  
Temperature unit : °C and °F
- **Specification**  
JIS D 0203 (S2)



# RX-4H

new

part

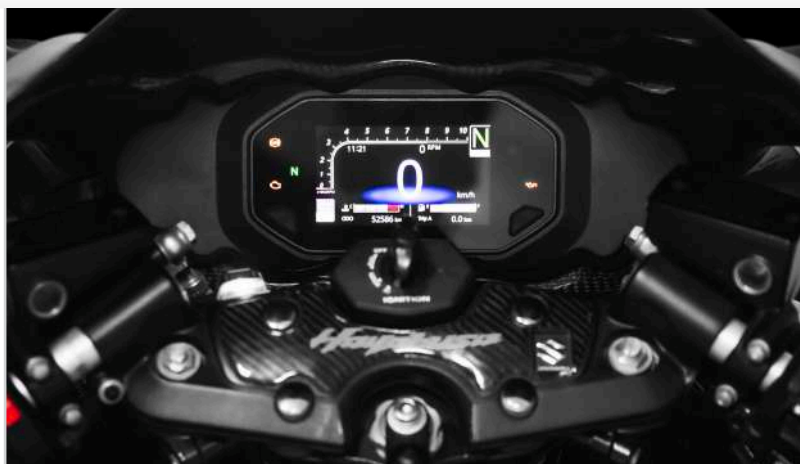
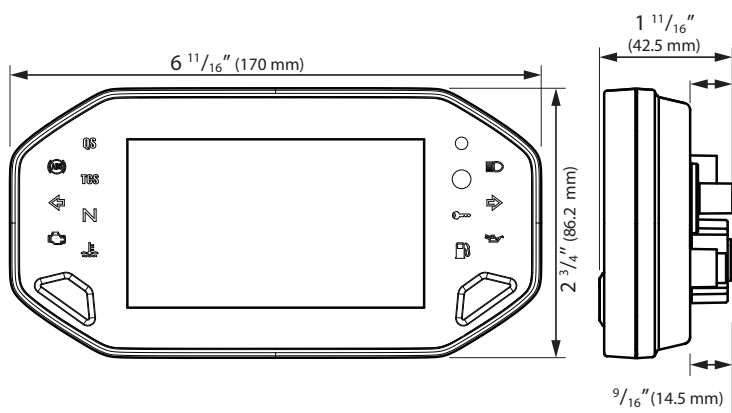
## BA081040

Kit includes the RX-4 gauge, panel bracket and plug and play harness for Suzuki Hayabusa (2008-2020)

## Multifunction TFT meter for Suzuki Hayabusa®

This new TFT multifunction meter includes a plug-and-play harness for Suzuki Hayabusa 2008-2020. Bluetooth connection to your phone allows for a unique experience like no other standard meter. See your incoming calls, display music information and much more.

With its easy to use and large display functions, the RX-4 is the perfect meter to give a modern look to your bike and provides important data such as speed, odometer, tripmeter, hour meter, voltage, target speed as well as several indicator lights.



## Specifications

- Speedometer**  
 R: 0 ~ 225 MPH (0 ~ 360 km/h)  
 U: 1 MPH or km/h (alternative)
- Odometer (internal and external)**  
 R: 0 ~ 999,999 miles (km) and then return to zero |  
 U: 1 mile (km)
- Trip meter A, B**  
 R: 0 ~ 9, 999.9 miles (km), may return to zero manually  
 U: 0.1 mile (km)
- Motor oil maintenance**  
 R: 500 ~ 16,000 km(300~10,000 mile),OFF U: 100 km(mile)
- Speeding warning setting** R:  
 30~360 km/h (20~225 MPH), when setting value is reach or above, warning light will illuminate. | U: 1 mile (km)
- Max. speed record**  
 R: 0 ~ 225 MPH (0 ~ 360 km/h)  
 U: 1 MPH or km/h (alternative)
- Circumference**  
 R: 300~2,500 mm | U: 1 mm
- Gear Meter**  
 R: N, 1 ~ the highest gear, (the highest gear shall be based on the gear learning)
- Tachometer**  
 R: • 0 ~ 10,000 RPM  
 • 0 ~ 12,500 RPM  
 • 0 ~ 15,000 RPM  
 • 0 ~ 18,000 RPM
- Pre-shift light warning setting**  
 R: • 1000 ~ 10,000 RPM  
 • 1000 ~ 12,500 RPM  
 • 1000 ~ 15,000 RPM  
 • 1000 ~ 18,000 RPM  
 U: • 100 RPM
- Shift light warning setting**  
 R: • 1000 ~ 10,000 RPM  
 • 1000 ~ 12,500 RPM  
 • 1000 ~ 15,000 RPM  
 • 1000 ~ 18,000 RPM  
 U: • 100 RPM
- Max. rotating speed**  
 R: • 0 ~ 10,000 RPM  
 • 0 ~ 12,500 RPM  
 • 0 ~ 15,000 RPM  
 • 0 ~ 18,000 RPM
- The RPM input signal number setting**  
 R: 0.5,1.0~24.0
- The RPM input pulse**  
 R: Low-Act, High-Act
- Thermometer A, B**  
 R: 0.0 ~ 250.0 °C (32.0 ~ 482.0 °F)  
 U: 0.1 °C (°F)
- Meter weight** Around 246.0 g
- Overheat warning A, B setting**  
 R: 60 ~ 250 °C (140 ~ 482 °F), when setting value is reached , the color of the number turns to red and flashes. U: 1 °C (°F)
- Max. temperature A, B record** R: 0.0  
 ~ 250.0 °C (32.0 ~ 482.0 °F), may return to zero manually. U: 0.1 °C (°F)
- Fuel meter**  
 R: 6 levels (0~100%) | U: 1 level = 16.6 %
- A/F ratio meter**  
 R: 12.1~17.5 | U: 0.1
- Fuel Gauge Resistance (Ω)**  
 R: 100 Ω, 250 Ω, 270 Ω,390 Ω, 510 Ω, 1200 Ω, SW, learning mode,OFF
- Fuel warning setting**  
 R: 0 ~ 3/6, when setting value is reached or below, warning light will illuminate. U: 1
- Clock**  
 R: 12 H or 24 H format
- Volt meter**  
 R: DC 8.0 ~ 18.0 V | U: DC 0.1 V
- Low voltage warning**  
 R: DC 8.0 ~ 13.0 V | U: DC 0.1 V  
 D: LO ≤ value, numbers will turn red and flashes.
- High voltage warning**  
 R: DC 13.1 ~ 18.0 V | U: DC 0.1 V  
 D: HI ≥ value, numbers will turn red and flashes.
- Target speed** U: 5  
 R: 20 ~ 225 MPH (30 ~ 360 km/h) km/h (MPH)
- Target distance**  
 R: 1/32 ~ 30/32 mile (50 ~ 1,500 m)  
 U: 1/32 mile (50 m)
- Top speed**  
 D: • Speed : 0 ~ 225 MPH (0 ~ 360 km/h)  
 • Distance : 0 ~ 999 m (0~3,280 feet)  
 • Rotating speed: 0 ~ 10,000 RPM / 0 ~ 12,500 RPM / 0~15,000 RPM / 0 ~ 18,000 RPM  
 • Time : 0 ~9 : 59'99
- Bluetooth connection status**  
 Operating system :  
 • iOS : iOS 5.0 and above  
 • Android : Android 9 and above
- Phone battery** R: 3 segments
- Incoming phone call**  
 D: • **Name or number** up to 12 letters  
 • "..." displayed if > 12 letters  
 • "Unknown" displayed when there is no name  
 • iOS - shows either name or number of the incoming call  
 • Android - shows number only
- Incoming online App call**  
 D: • **Name** up to 12 letters  
 • "..." displayed if > 12 letters  
 • "Unknown" displayed when there is no name  
 App: LINE, WeChat, WhatsApp  
 Operating system:  
 • iOS : supported  
 • Android : not supported
- Music playing info**  
 D: • **Song** 15 letters / "..." if > 15 letters  
 • **Artist** 18 letters / "..." if > 18 letters  
 • **Total song time:** 00:00 ~ 9:59:59  
 • Operating system (for total time):  
 • iOS : supported  
 • Android : not supported  
 • **Current playing time:** 00:00 ~ 9:59:59  
 • Operating system (for current time):  
 • iOS : supported  
 • Android : not supported
- Back light brightness (Day)**  
 R: 1/5(Darkest)~ 5/5(Brightest) | U: 1/5
- Back light brightness (Night)**  
 R: 1/5(Darkest)~ 5/5(Brightest,need < the setting value of backlight brightness U: 1/5
- Backlight color**  
 R: blue, green, orange, white
- Indicator lights**  
 ABS / Left turn signal / Check Engine / Neutral / Composite warning light (Red) / High beam / Right turn signal / Motor oil (maintenance) /
- Effective temperature range**  
 -4 ~ 185 °F (-20 ~ 85 °C)
- Storage temperature range**  
 -22 ~ 194 °F (-30 ~ 90 °C)
- Operating Voltage**  
 DC 12V
- Unit**  
 Speed unit : km/h , MPH  
 Temperature unit : °C and °F
- Specification**  
 JIS D 0203 (S2)



# RX-4S

part

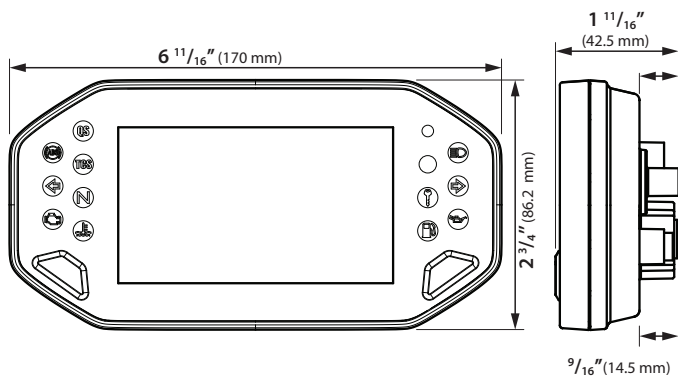
## BA081100

gauge for MT-07 (2021~)

## Multifunction gauge for Yamaha® MT-07 (2021~)

The RX-4S is the new perfect meter for your Yamaha MT-07 with a plug and play function that makes it very easy to install. Featuring speed, odometer, tripmeter, hour meter, voltage, clock and stopwatch as well as 6 indicator lights, this upgraded version of the RX-4 meter will provide you all the data you need.

With its easy to use and large display functions, the RX-4S allows you to connect your phone through its Bluetooth option to see your incoming calls, display song details and much more.



## Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer (internal and external)**  
R: 0 ~ 999,999 miles (km) | U: 1 mile (km)
- **Tripmeter 1, 2**  
R: 0 ~ 9, 999.9 miles (km)  
U: 0.1 mile (km)
- **Low fuel mileage**  
R: 0 ~ 999miles (km) | U: 1 mile (km)
- **Oil Maintenance**  
R: 300~10,000 miles (500~16,000 km) ~ 999 km (mile) | U: 1 mile (km)  
  - Value will decrease automatically
  - Warning range: Text will turn red as the value is 0 mile (km) and below.
- **Oil Maintenance 1, 2**  
R: 300~10,000 miles (500~16,000 km) ~ 999 km (mile) | U: 1 mile (km)  
  - Value will decrease automatically
  - Warning range: Text will turn red as the value is 0 mile (km) and below.
- **Max. speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Gear indicator**  
R: N, 1 ~ 6
- **Max. gear indicator**  
R: N, 1 ~ 6
- **Tachometer**  
R: 0 ~ 12,000 RPM
- **Shift light**  
D: Steady, Flash and Segment flashing  
R: 1000 ~ 12,000 RPM  
U: • 500 RPM (Small grid)  
• 1,000 RPM (Large grid) ,
- **Max. RPM**  
R: 0 ~ 12,000 RPM
- **Ambient air temperature**  
R: 14 ~ 212 °F (-10 ~ 100 °C) | U: 1 °F (°C)
- **Ambient air temp. warning**  
D: **LO** < 14 °F (-10 °C); **HI** > 212 °F (100 °C); the numbers will red and blink
- **Coolant temperature**  
R: 32 ~ 482 °F (0 ~ 250 °C) | U: 1 °F (°C)
- **Coolant temperature warning**  
D: **LO** < 102 °F (39 °C); **HI** > 234 °F (117 °C); the numbers will red and blink
- **Max. coolant temp. record**  
R: 32 ~ 482 °F (0 ~ 250 °C) | U: 1 °F (°C)
- **Fuel meter**  
R: 6 levels | U: 1 level = 16.6 %
- **Low fuel warning**  
R: Fuel level  $\leq$  1 segment the warning signal will blink.
- **Current fuel consumption**  
R: 0 ~ 99.9 MPG (2.5 ~ 99.9 L/100 km)  
U: 0.1 MPG (0.1 L/100 km)
- **Average fuel consumption**  
R: 0 ~ 99.9 MPG (2.5 ~ 99.9 L/100 km)  
U: 0.1 MPG (0.1 L/100 km)
- **Clock**  
R: 12 H or 24 H format
- **Riding time**  
R: 0 ~ 999.9 H | U: 0.1 H
- **Riding time 1, 2**  
R: 0 ~ 999.9 H | U: 0.1 H
- **Volt meter**  
R: DC 8.0 ~ 18.0 V | U: DC 0.1 V
- **Low voltage warning**  
R: DC 8.0 ~ 13.0 V | U: DC 0.1 V  
D: **LO**  $\geq$  value, numbers will turn red and blink.
- **High voltage warning**  
R: DC 13.1 ~ 18.0 V | U: DC 0.1 V  
D: **HI**  $\geq$  value, numbers will turn red and blink.
- **Target speed**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)
- **Target distance**  
R: 1/32 ~ 30/32 mile (50 ~ 1,500 m)  
U: 1/32 mile (50 m)
- **Top speed**  
D: • Speed : 0 ~ 225 MPH (0 ~ 360 km/h)  
• Distance : 0 ~ 999 m (0~3,280 feet)  
• RPM: 0 ~ value at top speed  
• Time : 0 ~9 : 59"99
- **Bluetooth connection status**  
R: **Steady**(connected), **OFF**(Unconnected)  
Operating system :  
  - **iOS** : iOS 5.0 and above
  - **Android** : Android 9 and above
- **Phone battery** R: 3 segments
- **Incoming phone call**  
D: • **Name or number** up to 12 letters  
• "..." displayed if > 12 letters  
• "Unknown" displayed when there is no name  
• **iOS** - shows either name or number of the incoming call  
• **Android** - shows number only
- **Incoming online App call**  
D: • **Name** up to 12 letters  
• "..." displayed if > 12 letters  
• "Unknown" displayed when there is no name  
App: LINE, WeChat, WhatsApp  
Operating system:  
  - **iOS** : supported
  - **Android** : not supported
- **Music playing info**  
D: • **Song** 15 letters / "..." if > 15 letters  
• **Artist** 18 letters / "..." if > 18 letters  
• **Total song time**: 00:00 ~ 9:59:59  
  - Operating system (for total time):  
    - **iOS** : supported
    - **Android** : not supported
  - **Current playing time**: 00:00 ~ 9:59:59  
    - Operating system (for current time):  
      - **iOS** : supported
      - **Android** : not supported
- **Push info**  
D: • **Name** 4 letters / "..." if > 15 letters  
• **Content** 17 letters / "..." if > 17 letters  
• Operating system:  
  - **iOS** : supported
  - **Android** : not supported
- **Driving mode**  
R: Standard, A, B
- **TCS display**  
R: 1, 2, Off
- **ECO indicator**  
R: display, no display
- **Backlight color**  
R: blue, green, orange, white
- **Indicator lights**  
ABS / Left turn signal / Check Engine / QS (Quick switch) / TCS (Traction control signal) / Neutral / Coolant temp warning / RPM shift light / IMMO anti-theft / Low fuel warning / High beam / Right turn signal / Motor oil (maintenance) /
- **Effective temperature range**  
-4 ~ 185 °F (-20 ~ 85 °C)
- **Storage temperature range**  
-22 ~ 194 °F (-30 ~ 90 °C)
- **Operating Voltage**  
DC 12V



# RX-4

part

## BA081001

gauge for MT-09 (2017-2020)

## BA081000

gauge for MT-07/ MT-09/  
XSR 700/ XSR 900

Additional bracket  
(see at page 202)

## BE081000

XSR 700 bracket (2015-2021)

## BE081010

XSR 900 bracket (2016-2021)

## BE081020

MT-09 bracket (2014-2016)

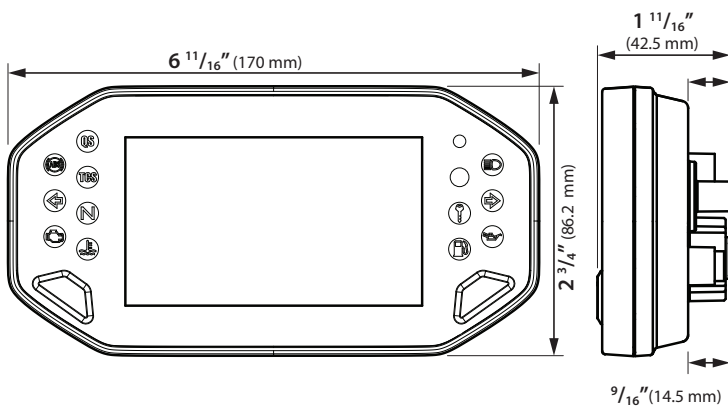
- MT-07 (2017-2020)  
no bracket required

## Multifunction gauge

(for Yamaha® MT-07 / MT-09 / XSR 700 / XSR 900)

With its modern look and features, this RX-4 speedometer is the perfect plug and play meter for the MT-07 / MT-09 or the XSR 700 / XSR 900 models.

Featuring speed, odometer, tripmeter, hour meter, voltage, clock and stopwatch as well as 6 indicator lights, this meter will provide you all the data you need. An additional bracket is required to make it fit in the original location for the MT-09 / XSR 700 / XSR 900.



## Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer (internal and external)**  
R: 0 ~ 999,999 miles (km) | U: 1 mile (km)
- **Tripmeter 1, 2**  
R: 0 ~ 9, 999.9 miles (km)  
U: 0.1 mile (km)
- **Low fuel mileage**  
R: 0 ~ 999miles (km) | U: 1 mile (km)
- **Oil Maintenance**  
R: 300~10,000 miles (500~16,000 km) ~ 999 km (mile) | U: 1 mile (km)  
  - Value will decrease automatically
  - Warning range: Text will turn red as the value is 0 mile (km) and below.
- **Oil Maintenance 1, 2**  
R: 300~10,000 miles (500~16,000 km) ~ 999 km (mile) | U: 1 mile (km)  
  - Value will decrease automatically
  - Warning range: Text will turn red as the value is 0 mile (km) and below.
- **Max. speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Gear indicator**  
R: N, 1 ~ 6
- **Max. gear indicator**  
R: N, 1 ~ 6
- **Tachometer**  
R: • [MT-07] 0 ~ 12,000 RPM  
 • [MT-09] 0 ~ 13,000 RPM  
 • [XSR700] 0 ~ 12,000 RPM  
 • [XSR900] 0 ~ 13,000 RPM
- **Shift light**  
D: Steady, Flash and Segment flashing  
R: • [MT-07] 1000 ~ 12,000 RPM  
 • [MT-09] 1000 ~ 13,000 RPM  
 • [XSR700] 1000 ~ 12,000 RPM  
 • [XSR900] 1000 ~ 13,000 RPM  
U: 500 RPM (Small grid)  
 • 1,000 RPM (Large grid),
- **Max. RPM**  
R: • [MT-07] 0 ~ 12,000 RPM  
 • [MT-09] 0 ~ 13,000 RPM  
 • [XSR700] 0 ~ 12,000 RPM  
 • [XSR900] 0 ~ 13,000 RPM
- **Ambient air temperature**  
R: 14 ~ 212 °F (-10 ~ 100 °C) | U: 1 °F (°C)
- **Ambient air temp. warning**  
D: **LO** < 14 °F (-10 °C); **HI** > 212 °F (100 °C); the numbers will red and blink
- **Coolant temperature**  
R: 32 ~ 482 °F (0 ~ 250 °C) | U: 1 °F (°C)
- **Coolant temperature warning**  
D: **LO** < 102 °F (39 °C); **HI** > 234 °F (117 °C); the numbers will red and blink
- **Max. coolant temp. record**  
R: 32 ~ 482 °F (0 ~ 250 °C) | U: 1 °F (°C)
- **Fuel meter**  
R: 6 levels | U: 1 level = 16.6 %
- **Low fuel warning**  
R: Fuel level ≤ 1 segment the warning signal will blink.
- **Current fuel consumption**  
R: 0 ~ 99.9 MPG (2.5 ~ 99.9 L/100 km)  
U: 0.1 MPG (0.1 l/100 km)
- **Average fuel consumption**  
R: 0 ~ 99.9 MPG (2.5 ~ 99.9 L/100 km)  
U: 0.1 MPG (0.1 L/100 km)
- **Clock**  
R: 12 H or 24 H format
- **Riding time**  
R: 0 ~ 999.9 H | U: 0.1 H
- **Riding time 1, 2**  
R: 0 ~ 999.9 H | U: 0.1 H
- **Volt meter**  
R: DC 8.0 ~ 18.0 V | U: DC 0.1 V
- **Low voltage warning**  
R: DC 8.0 ~ 13.0 V | U: DC 0.1 V  
D: **LO** ≤ value, numbers will turn red and blink.
- **High voltage warning**  
R: DC 13.1 ~ 18.0 V | U: DC 0.1 V  
D: **HI** ≥ value, numbers will turn red and blink.
- **Target speed**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)
- **Target distance**  
R: 1/32 ~ 30/32 mile (50 ~ 1,500 m)  
U: 1/32 mile (50 m)
- **Top speed**  
D: • Speed : 0 ~ 225 MPH (0 ~ 360 km/h)  
 • Distance : 0 ~ 999 m (0~3,280 feet)  
 • RPM: 0 ~ value at top speed  
 • Time : 0 ~9 : 59'99
- **Bluetooth connection status**  
R: **Steady**(connected), **OFF**(Unconnected)  
Operating system :  
  - **iOS** : iOS 5.0 and above
  - **Android** : Android 9, Android 10
- **Phone battery** R: 3 segments
- **Incoming phone call**  
D: • **Name or number** up to 12 letters  
 • "..." displayed if > 12 letters  
 • "Unknown" displayed when there is no name  
 • **iOS** - shows either name or number of the incoming call  
 • **Android** - shows number only
- **Incoming online App call**  
D: • **Name** up to 12 letters  
 • "..." displayed if > 12 letters  
 • "Unknown" displayed when there is no name  
App: LINE, WeChat, WhatsApp  
Operating system:  
  - **iOS** : supported
  - **Android** : not supported
- **Music playing info**  
D: • **Song** 15 letters / "..." if > 15 letters  
 • **Artist** 18 letters / "..." if > 18 letters  
 • **Total song time**: 00:00 ~ 9:59:59  
  - Operating system (for total time):  
    - **iOS** : supported
    - **Android** : not supported
  - **Current playing time**: 00:00 ~ 9:59:59  
    - Operating system (for current time):  
      - **iOS** : supported
      - **Android** : not supported
- **Push info**  
D: • **Name** 4 letters / "..." if > 15 letters  
 • **Content** 17 letters / "..." if > 17 letters  
 • Operating system:  
  - **iOS** : supported
  - **Android** : not supported
- **Driving mode**  
R: Standard, A, B
- **TCS display**  
R: 1, 2, Off
- **ECO indicator**  
R: display, no display
- **Backlight color**  
R: blue, green, orange, white
- **Indicator lights**  
ABS / Left turn signal / Check Engine / QS (Quick switch) / TCS (Traction control signal) / Neutral / Coolant temp warning / RPM shift light / IMMO anti-theft / Low fuel warning / High beam / Right turn signal / Motor oil (maintenance) /
- **Effective temperature range**  
-4 ~ 185 °F (-20 ~ 85 °C)
- **Storage temperature range**  
-22 ~ 194 °F (-30 ~ 90 °C)
- **Operating Voltage**  
DC 12V

Model specific brackets are required to install the meter in the original location.

\*\*MT-07 no bracket required\*\*.



# RX-3S

new

part

**BA079000**

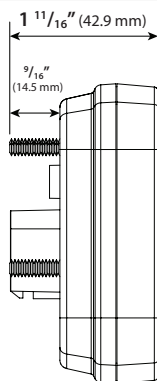
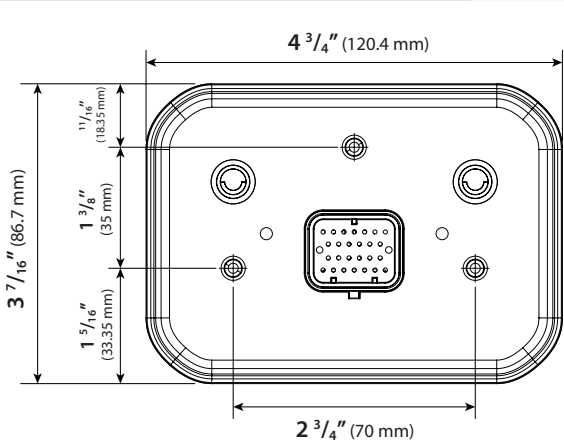
## TFT multifunction gauge

The new RX-3S TFT multifunction meter can fit any bikes and is easy to install with its lightweight and compact display. This gauge features speed, tachometer, trip meter and much more to give you all the data you need.

It has day and night brightness adjustability to easily read the screen and 5 different background colors to choose from.



Day mode



## Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer**  
R: 0 ~ 999,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 9,999.9 miles (km)  
U: 0.1 mile (km)
- **Oil maintenance**  
R: 300~10,000 miles  
(500 ~ 16,000 km),OFF  
U: 100 km(miles)
- **Speeding warning light**  
R: 20 ~ 225 MPH (30 ~ 360 km/h)  
U: 1 MPH (km/h)
- **Top speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)
- **Tire circumference**  
R: 300 ~ 2,500 mm | U: 1 mm  
Sensitive point: 1 ~ 40
- **Gear indicator (learning)**  
R: -, N, 1 ~ the highest gear
- **Max. Gear record**  
R: -, N, 1 ~ the highest gear
- **Tachometer**  
R: 0~10,000 RPM / 0~12,000 RPM /  
0~15,000 RPM / 0~18,000 RPM /  
0~20,000 RPM
- **RPM shift-light**  
R: 1,000 ~ 10,000 RPM / 1,000 ~ 12,000  
RPM / 1,000 ~ 15,000 RPM / 1,000 ~ 18,000  
RPM / 1,000 ~ 20,000 RPM | U: 100 RPM
- **Max. RPM**  
R: 0~10,000 RPM / 0~12,000 RPM /  
0~15,000 RPM / 0~18,000 RPM /  
0~20,000 RPM
- **RPM input signal number setting**  
0,5, 1,0 ~ 24,0
- **RPM input pulse**  
R: Low-Act, High-Act
- **Thermometer**  
R: 32.0 ~ 482.0 °F (0 ~ 250 °C)  
U: 0.1 °C (°F)
- **Over Temperature warning**  
R: 140 ~ 482°F (60 ~ 250°C) | U: 1°F (°C)
- **A/F ratio meter**  
R: 12.1 ~ 17.5 | U: 0.1
- **Fuel meter**  
R: 6 levels | U: 1 level = 16.6 %
- **Fuel resistance**  
R: OFF, 100 Ω, 250 Ω, 270 Ω, 510 Ω,  
1200 Ω, SW, Custom, OFF
- **Low fuel warning**  
R: 0 ~ 3/6 | U: 1  
when setting value is reached or below,  
warning light will illuminate.
- **Clock**  
R: 24 H / 12 H format
- **Voltmeter**  
R: DC 8.0 ~ 18.0 V | U: DC 0.1 V
- **Low voltage warning**  
R: DC 8.0 ~ 13.0 V | U: 0.1  
when setting value is reached or below,  
warning light will illuminate.
- **High voltage warning**  
R: DC 13.1 ~ 18.0 V | U: 0.1
- **Target speed**  
D: 20 ~ 225 MPH  
(30 ~ 360 km/h)  
R: 5 MPH (km/h)
- **Target distance**  
D: 1/32 ~ 30/32 mile  
(50 ~ 1,500 m)  
U: 1/32 mile (50 m)
- **Top speed**  
R: Speed : 0 ~ 360 km/h  
(0 ~ 225 MPH)  
Distance : 0 ~ 999 m  
(0~3,280 feet)  
RPM : 0~10,000 RPM / 0~12,000 RPM  
/ 0~15,000 RPM / 0~18,000 RPM /  
0~20,000 RPM  
Time : 0 ~ 9 : 59"99
- **Background display**  
R: Auto (switch according to the ambient  
light: Day mode / Night mode.)
- **Backlight brightness (Day)**  
R: 3/5~ 5/5(Brightest) | U: 1/5
- **Backlight brightness (Night)**  
R: 1/5(Darkest) ~ 5/5(Brightest) | U: 1/5
- **Backlight colors**  
R: white, orange, red, blue and green
- **Indicator lights**  
Neutral / High beam / Turn signals /  
Check engine / Oil level / ABS / Warning  
light/ Anti-Theft light
- **Effective temperature range**  
-4 ~ 185 °F (-20 ~ 85 °C)
- **Effective voltage**  
DC 12 V



# RX-3

part  
**BA071000**



warning

Night mode

## TFT multifunction gauge

The RX-3 multifunction meter features a modern TFT screen to display your information with day and night brightness adjustability and 5 different background colors to choose from.

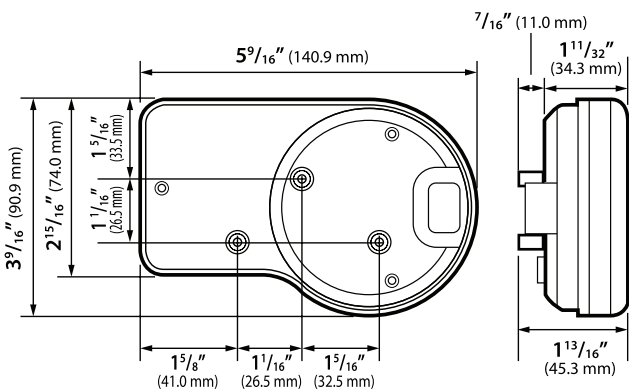
Compact, lightweight and easy to operate, this modern meter offers a clean and simple design. This universal gauge can be used for any application and also features a plug and play connector available for the Honda Grom® and the Honda Monkey®.



Optional plug and play harness  
(see at page 201):

**BZ001000**  
for Honda Grom®

**BZ001001**  
for Honda Monkey®



(R = Range U= Unit)

## Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 9,999.9 miles (km)  
U: 0.1 mile (km)
- **Oil maintenance**  
R: 300~10,000 miles  
(500 ~ 16,000 km),OFF  
U: 100 km(miles)
- **Speeding warning light**  
R: 20 ~ 225 MPH (30 ~ 360 km/h)  
U: 1 MPH (km/h)
- **Top speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)
- **Tire circumference**  
R: 300 ~ 2,500 mm | U: 1 mm  
Sensitive point: 1 ~ 40
- **Gear indicator (learning)**  
R: -, N, 1 ~ the highest gear
- **Max. Gear record**  
R: -, N, 1 ~ the highest gear
- **Tachometer**  
R: 0~15,000 RPM
- **RPM shift-light**  
R: 1,000 ~ 15,000 RPM | U: 100 RPM  
display light: steady, fast flash
- **Max. RPM**  
R: 0 ~ 15,000 RPM
- **RPM input signal number setting**  
0.5, 1.0 ~ 24.0
- **RPM input pulse**  
R: Low-Act, High-Ac
- **Thermometer**  
R: 32.0 ~ 482.0 °F (0 ~ 250 °C)  
U: 0.1 °C (°F)
- **Over Temperature warning**  
R: 140 ~ 482°F (60 ~ 250°C) | U: 1°F (°C)
- **A/F ratio meter**  
R: 12.1 ~ 17.5 | U: 0.1
- **Fuel meter**  
R: 6 levels | U: 1 level = 16.6 %
- **Fuel resistance**  
R: OFF, 100 Ω, 250 Ω, 270 Ω, 510 Ω,  
1200 Ω, 5W, learning mode, OFF
- **Low fuel warning**  
R: 0 ~ 3/6 | U: 1
- **Clock**  
R: 24 H / 12 H format
- **Voltmeter**  
R: DC 8.0 ~ 18.0 V | U: DC 0.1 V
- **Low voltage warning**  
R: DC 8.0 ~ 13.0 V | U: 0.1
- **High voltage warning**  
R: DC 13.1 ~ 18.0 V | U: 0.1
- **Target speed**  
D: 20 ~ 225 MPH  
(30 ~ 360 km/h)  
R: 5 MPH (km/h)
- **Target distance**  
D: 1/32 ~ 30/32 mile  
(50 ~ 1,500 m)  
U: 1/32 mile (50 m)
- **Top speed**  
R: Speed : 0 ~ 360 km/h  
(0 ~ 225 MPH)  
Distance : 0 ~ 999 m  
(0~3,280 feet)  
RPM : 0 ~ 15,000 RPM  
Time : 0 ~ 9 : 59"99
- **Background display**  
R: Auto (switch according to the ambient  
light: Day mode / Night mode.)
- **Backlight brightness (Day)**  
R: 3/5~ 5/5(Brightest) | U: 1/5
- **Backlight brightness (Night)**  
R: 1/5(Darkest) ~ 5/5(Brightest) | U: 1/5
- **Backlight colors**  
R: white, red, orange,green,blue
- **Indicator lights**  
Neutral / High beam / Turn signals /  
Check engine / Oil level / ABS / Warning /  
RPM shift light
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage**  
DC 12 V



**5**  
**CHANGEABLE COLORS**

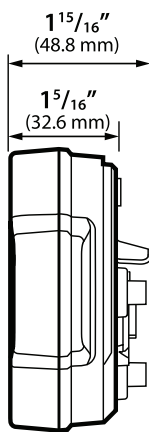
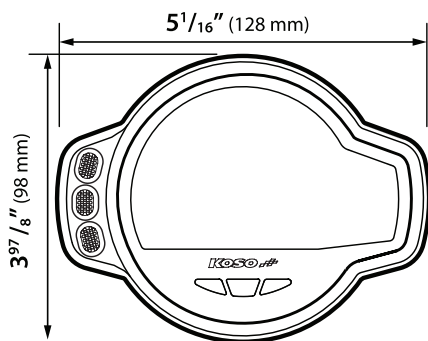
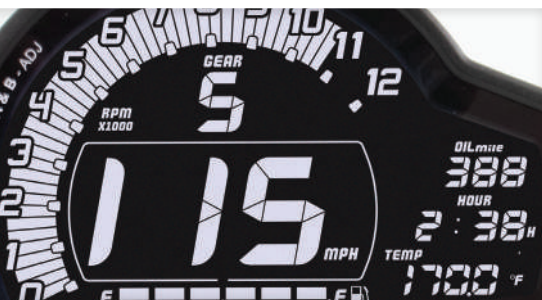
# MS-01

part  
**BA078100**

## Multifunction gauge

The MS-01 multifunction gauge is one of our newest additions for enthusiasts who enjoy multiple readings from their ride. It features a modern negative LCD screen to display all of your data.

Compact, lightweight and easy to operate, this modern gauge offers a clean and simple design. This universal gauge can be used for any application.



## Specifications

- **Speedometer**  
R: 0 ~ 124 MPH (0 ~ 199 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 9,999.9 miles (km)  
U: 0.1 mile (km)
- **Speeding warning light**  
R: 19 ~ 124 MPH (30 ~ 199 km/h)  
U: 1 MPH (km/h)  
warning light on when  $\geq$  setting value
- **Tire circumference**  
R: 300 ~ 2,500 mm | U: 1 mm  
Sensitive point: 1 ~ 40
- **Gear indicator (learning)**  
R: OFF, N, 1 ~ 6, the highest gear
- **Maintenance**  
R: 300 ~ 10,000 mile (500 ~ 16,000 km)  
U: 100 km (mile)
- **Bar segment tachometer**  
R: 0 ~ 10,000 RPM /  
0 ~ 13,000 RPM  
U: 0 ~ 10,000 RPM (250 RPM/segment)  
0 ~ 13,000 RPM (250 RPM/segment)
- **RPM input pulse**  
R: POS(+) / NEG(-)
- **RPM signal**  
R: P-0.5 / P-1 / P-1.5 / P-2 / P-2.5 /  
P-3 / P-4 / P-5 / P-6 / P-9 / P-10 /  
P-11 / P-12 / P-17 / P-18 / P-23 / P-24 /  
P-34 / P-36
- **First-stage warning for over-RPM (Illuminated)**  
R: 0 ~ 10,000 RPM  
Setting: 3,000 ~ 9,750 RPM  
R: 0 ~ 13,000 RPM  
Setting: 3,000 ~ 12,750 RPM  
Signaling light on **(green)** for over-RPM when  $\geq$  set value
- **Second-stage warning for over-RPM (Illuminated)**  
R: 0 ~ 10,000 RPM  
Setting: 3,000 ~ 9,750 RPM  
R: 0 ~ 13,000 RPM  
Setting: 3,000 ~ 12,750 RPM  
Signaling light on **(red)** for over-RPM when  $\geq$  set value
- **Third-stage warning for over-RPM (Blinking)**  
R: 0 ~ 10,000 RPM  
Setting: 3,250 ~ 10,000 RPM  
R: 0 ~ 13,000 RPM  
Setting: 3,250 ~ 13,000 RPM  
Signaling light blinking **(green/red)** for over-RPM when  $\geq$  set value  
U: 100 RPM
- **Temperature & Max. temp record**  
R:  
**1- OFF**  
**2- Cylinder head temperature**  
**P-1** -20 ~ 200 °C (-4 ~ 392°F)  
**P-2** -40 ~ 185 °C (-40 ~ 365°F)  
**P-3** -20 ~ 220 °C (-4 ~ 428°F)  
**P-4** -20 ~ 200 °C (-4 ~ 392°F)  
**P-5** -20 ~ 120 °C (-4 ~ 248°F)  
**P-6** -30 ~ 200 °C (-22 ~ 392°F)  
**P-1A** -20 ~ 200 °C (-4 ~ 392°F)  
**P-2A** -40 ~ 185 °C (-40 ~ 365°F)  
**P-5A** -20 ~ 120 °C (-4 ~ 248°F)  
**P-6A** -30 ~ 200 °C (-22 ~ 392°F)  
**3- Temperature sensor**  
**P-250** 0 ~ 250 °C (32 ~ 482°F)
- **Thermometer**  
R: 32.0 ~ 482.0 °F (0 ~ 250 °C)  
U: 0.1 °C (°F)
- **Over Temperature warning**  
R: 122 ~ 356°F (50 ~ 180°C) | U: 3°F (5°C)  
Temp warning on when > value
- **Fuel meter**  
R: 6 levels | U: 1 level = 16.6 %
- **Fuel resistance**  
R: OFF, 100  $\Omega$ , 250  $\Omega$ , 270  $\Omega$ , 390  $\Omega$ ,  
510  $\Omega$ , 1200  $\Omega$ , SW
- **Low fuel warning**  
R: 0 ~ 3 segment | U: 1 segment  
low fuel warning will be blinking  $\geq$  value
- **Clock** R: 1:00 ~ 12:59 (12H)
- **Voltmeter**  
R: DC 8.0 ~ 18.0 V | U: DC 0.1 V
- **Low voltage warning**  
R: DC 8.0 ~ 13.0 V | U: 0.1  
Signaling light on  $\geq$  value
- **Backlight brightness**  
R: 1/5(Darkest) ~ 5/5(Brightest) | U: 1/5
- **ABS** R: ON / OFF
- **AFR (optional)**  
R: ON / OFF  
R: 12.1 ~ 17.5 | U: 0.1
- **Indicator lights**  
Neutral / High beam / Turn signals /  
Check engine / ABS / Warning
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage**  
DC 12 V

# MS-01

part

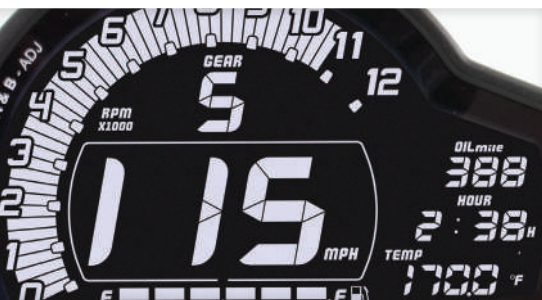
## BA078100-GR

Fits Honda Grom 2013-2021

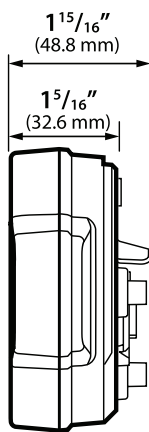
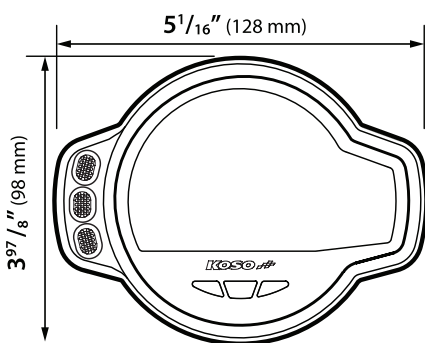
### Multifunction gauge - for Honda Grom® (2013-2021)

Compact, easy to operate and full of features, the new plug and play MS-01 multifunction meter for Honda Grom® offers a sleek looking exterior as well as a negative LCD screen to display necessary data such as: speed, RPM, indicator lights, fuel meter, gear indicator and much more.

This easy to use and install plug and play display will offer you all the details needed for your ride, while customizing your bike with a modern look.



**PLUG N PLAY**  
\*for Honda Grom



## Specifications

- **Speedometer**  
R: 0 ~ 124 MPH (0 ~ 199 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 9,999.9 miles (km)  
U: 0.1 mile (km)
- **Speeding warning light**  
R: 19 ~ 124 MPH (30 ~ 199 km/h)  
U: 1 MPH (km/h)  
warning light on when  $\geq$  setting value
- **Tire circumference**  
R: 300 ~ 2,500 mm | U: 1 mm  
Sensitive point: 1 ~ 40
- **Sensor points**  
R: 1 ~ 40 points
- **Gear indicator (learning)**  
R: OFF, highest gear, N and highest gear,  
show all (N / 1 ~ 6)
- **Maintenance**  
R: 300 ~ 10,000 mile (500 ~ 16,000 km)  
U: 100 km (mile)
- **Bar segment tachometer**  
R: 0 ~ 10,000 RPM /  
0 ~ 13,000 RPM  
U: 0 ~ 10,000 RPM (250 RPM/segment)  
0 ~ 13,000 RPM (250 RPM/segment)
- **RPM input pulse**  
R: POS(+) / NEG(-)
- **RPM signal**  
R: P-0.5 / P-1 / P-1.5 / P-2 / P-2.5 /  
P-3 / P-4 / P-5 / P-6 / P-9 / P-10 /  
P-11 / P-12 / P-17 / P-18 / P-23 / P-24 /  
P-34 / P-36
- **First-stage warning for over-RPM (Illuminated)**  
R: 0 ~ 10,000 RPM  
Setting: 3,000 ~ 9,750 RPM  
R: 0 ~ 13,000 RPM  
Setting: 3,000 ~ 12,750 RPM  
Signaling light on (**green**) for over-RPM  
when  $\geq$  set value
- **Second-stage warning for over-RPM (Illuminated)**  
R: 0 ~ 10,000 RPM  
Setting: 3,000 ~ 9,750 RPM  
R: 0 ~ 13,000 RPM  
Setting: 3,000 ~ 12,750 RPM  
Signaling light on (**red**) for over-RPM  
when  $\geq$  set value
- **Meter weight**  
 $\pm$  200 g
- **Specifications**  
JIS D 0203(S2)
- **Third-stage warning for over-RPM (Blinking)**  
R: 0 ~ 10,000 RPM  
Setting: 3,250 ~ 10,000 RPM  
R: 0 ~ 13,000 RPM  
Setting: 3,250 ~ 13,000 RPM  
Signaling light blinking (**green/red**)  
for over-RPM when  $\geq$  set value  
U: 100 RPM
- **Temperature & Max. temp record**  
R:  
**1-** OFF  
**2-** Cylinder head temperature  
**P-1** -20 ~ 200 °C (-4 ~ 392°F)  
**P-2** -40 ~ 185 °C (-40 ~ 365°F)  
**P-3** -20 ~ 220 °C (-4 ~ 428°F)  
**P-4** -20 ~ 200 °C (-4 ~ 392°F)  
**P-5** -20 ~ 120 °C (-4 ~ 248°F)  
**P-6** -30 ~ 200 °C (-22 ~ 392°F)  
**P-1A** -20 ~ 200 °C (-4 ~ 392°F)  
**P-2A** -40 ~ 185 °C (-40 ~ 365°F)  
**P-5A** -20 ~ 120 °C (-4 ~ 248°F)  
**P-6A** -30 ~ 200 °C (-22 ~ 392°F)  
**3-** Temperature sensor  
**P-250** 0 ~ 250 °C (32 ~ 482°F)
- **Thermometer**  
R: 32.0 ~ 482.0 °F (0 ~ 250 °C)  
U: 0.1 °C (°F)
- **Over Temperature warning**  
R: 122 ~ 356°F (50 ~ 180°C) | U: 3°F (5°C)  
Temp warning on when > value
- **Fuel meter**  
R: OFF, 100  $\Omega$ , 250  $\Omega$ , 270  $\Omega$ , 390  $\Omega$ ,  
510  $\Omega$ , 1200  $\Omega$ , fuel switch, USER
- **Low fuel warning**  
R: 0 ~ 3 segment | U: 1 segment  
low fuel warning will be blinking  $\geq$  value
- **Clock** R: 1:00 ~ 12:59 (12H)
- **Voltmeter**  
R: DC 8.0 ~ 18.0 V | U: DC 0.1 V
- **Low voltage warning**  
R: DC 8.0 ~ 13.0 V | U: 0.1  
Signaling light on  $\geq$  value
- **Backlight brightness**  
R: 1/5 (Darkest) ~ 5/5 (Brightest) | U: 1/5
- **ABS** R: ON / OFF
- **AFR (optional)**  
R: ON / OFF  
R: 12.1 ~ 17.5 | U: 0.1
- **Indicator lights**  
Neutral / High beam / Turn signals /  
Check engine / ABS / Warning
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage**  
DC 12 V

# RS-2

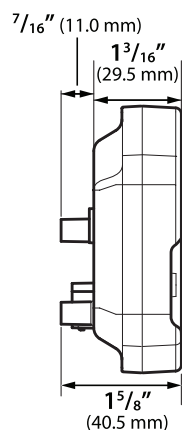
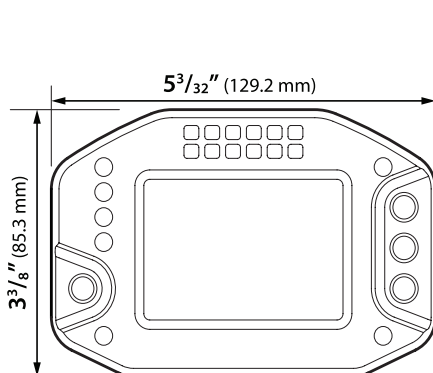
part

**BA073000**

## Multifunction gauge and data recorder

The RS-2 gauge is a complete multifunction gauge that is focused on the serious rider who wants to log their data to improve riding skills. You will be able to keep your target speed, target distance, maximum speed and maximum RPM. At the top of this gauge, you will benefit from a group of red LEDs indicating the right shift point.

Included is the sensor and bracket to mount and install this gauge on almost all applications. Also features the choice of 8 colors in both positive and negative display for optimal reading during day or night.



## Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 9,999.9 miles (km)  
U: 0.1 mile (km)
- **Oil maintenance**  
R: 312~10,000 miles  
(500 ~ 16,000 km),OFF  
U: 100 km (miles)
- **Speeding warning light**  
R: 0 ~ 56 MPH (0 ~ 90 km/h)  
U: 1 MPH (km/h)
- **Top speed record (MAX)**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)
- **Tire circumference**  
R: 300 ~ 2,500 mm | U: 1 mm  
Sensitive point: 1 ~ 60
- **Gear indicator** R: -, N, 1 ~ 6,
- **Digital Tachometer**  
R: 0 ~ 20,000 RPM | U: 100 RPM
- **Level Tachometer**  
R: 0 ~ 9,000 - 12,000 - 15,000 - 18,000,  
20,000 RPM
- **RPM shift-light** R: 3,000 ~ 20,000 RPM
- **Max. RPM record**  
R: 0 ~ 20,000 RPM
- **RPM input (for fuel injection)**  
0.5, 1.0 ~ 24.0
- **Thermometer**  
R: 32.0 ~ 482.0 °F (0 ~ 250 °C)  
U: 0.1 °C (°F)
- **Temperature warning**  
R: 122 ~ 482°F (50 ~ 250°C) | U: 1°F (°C)
- **Top Temperature (MAX)**  
R: 32.0 ~ 482.0 °F (0 ~ 250 °C)
- **Fuel meter** R: 6 levels | U: 1 level = 16.6 %
- **A/F ratio meter** R: 12.1 ~ 16.8 | U: 1 level = 0.1
- **Fuel level** R: 6 levels | U: 1 level = 16.6%
- **Fuel resistance**  
R: 100 Ω, 250 Ω, 510 Ω, 1200 Ω,  
SW, learning mode
- **Low fuel warning**  
R: 0 ~ 3/6 | U: 1  
flashing 1lth when lower then setting value
- **ABS indicator** R: on/off
- **Clock** R: 24 H format
- **Digital Voltmeter**  
R: DC 8.0 ~ 18.0 V | U: DC 0.1 V
- **Target speed timer**  
D: 20 ~ 225 MPH (30 ~ 360 km/h)  
R: 5 MPH (km/h)
- **Target distance timer**  
D: 1/32 ~ 30/32 mile (50 ~ 1,500 m)  
U: 1/32 mile (50 m)
- **Top speed timer**  
R: Speed : 0 ~ 225 MPH (0 ~ 360 km/h)  
Distance : 0 ~ 3,280 feet (0 ~ 999 m)  
RPM : 0 ~ 20,000 RPM  
Time : 0 ~ 9 : 59'99
- **Display & Backlight  
(positive and negative display of the  
main screen)**  
R: Time setting switchover (nighttime  
function is turned off when the before  
and after time are the same)
- **Liquid Crystal Concentration**  
R: 1/3(Darkest) ~ 3/3(Brightest)
- **Backlight brightness**  
R: 1/5(Darkest) ~ 5/5(Brightest)  
Separate setting for daytime and nighttime
- **Brightness (LED Bar)**  
R: 1/5(Darkest) ~ 5/5(Brightest)  
Separate setting for daytime and nighttime
- **Backlight colors**  
R: white / green / light blue / blue / purple /  
red / orange / yellow
- **Indicator lights**  
Neutral / High beam / Turn signals /  
Check engine / Oil level / ABS / IMMO /
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage** DC 12 V



same colors  
also available in  
negative display



# DL-04

part

## BA077101

for 2013-2016 R nineT

## BA077001

for 2017 and up R nineT



## Multifunction gauge (for BMW R nineT®)

With its modern look, this DL-04 speedometer is the perfect plug and play meter for the BMW R nineT bikes.

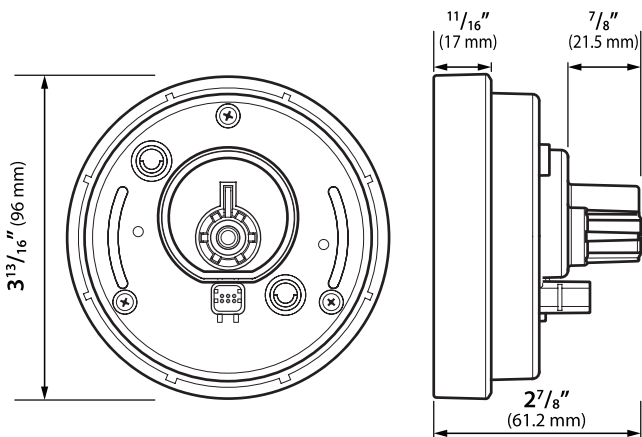
Featuring speed, odometer, tripmeter, hour meter, voltage, clock and stopwatch as well as 6 indicator lights, this meter will provide you all the data you need.



(R = Range U= Unit)

### Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Tachometer**  
R: 0 ~ 10,000 RPM - 0 ~ 15,000 RPM
- **Odometer (internal and external)**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter 1, 2**  
R: 0 ~ 9,999.9 miles (km)  
U: 0.1 mile (km)
- **Tripmeter A (Daily riding mileage)**  
R: 0 ~ 9,999.9 miles (km)  
U: 0.1 mile (km)
- **Tripmeter R (Remaining fuel mileage)**  
R: 0 ~ 9,999.9 miles (km)  
U: 0.1 mile (km)
- **Oil Maintenance**  
R: 300~10000 miles
- **Current fuel consumption**  
R: 0.0 ~ 99.9 MPG (0.0 ~ 99.9 L/100)
- **Average speed**  
R: 0 ~ 135 MPH (0 ~ 220 km/h)
- **Riding time**  
R: 00:00 ~ 59:59
- **Gear indicator**  
R: N, 1 ~ 6
- **Volt meter**  
R: DC 10.0 ~ 16.0 V | U: DC 0.1 V
- **Date**  
R: 01.01 ~ 12.31
- **Clock**  
R: 12 or 24 H format
- **Temperature**  
R: 14 ~ 140 °F (-10 ~ 60 °C)
- **Water temperature**  
R: 14 ~ 140 °F (0 ~ 250 °C)
- **Backlight brightness**  
R: 1 - 5 (darkest) ~ 5 - 5 (brightest)
- **Indicator lights**  
Turn signals / Neutral / Check engine /  
Warning / High beam / ABS /  
ASC/DWA warning light
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)



# DL-04B

## Multifunction gauge - for Yamaha Bolt®

With its classical round shape, Koso's newest addition to the DL-04 series is the perfect plug and play speedometer for Yamaha Bolt®.

Its innovative negative LCD screen features a variety of functions such as a gear indicator, 6 indicator lights, tachometer, voltage, clock and much more.



(R = Range U= Unit)

### Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Tachometer**  
R: 0 ~ 10,000 RPM
- **Odometer (internal and external)**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter 1, 2**  
R: 0 ~ 9, 999.9 miles (km)  
U: 0.1 mile (km)
- **Shift light warning**  
R: 1,000~10,000 RPM, When exceeding the set value (inclusive), the warning signal will be lit according to the setting.  
U: 100 RPM
- **Tire percentage**  
R: 50 ~ 200% U: 1%
- **Oil Maintenance**  
R: 999~10,000 miles
- **Fuel meter**  
R: ON, OFF, unusual warning
- **Gear indicator**  
R: N, 1 ~ 5
- **Volt meter**  
R: DC 8.0 ~ 18.0 V | U: DC 0.1 V
- **Operating voltage**  
DC 12V
- **Clock**  
R: 12 or 24 H format
- **Temperature**  
R: -22 ~ 437 °F (-30 ~ 225 °C)
- **Overheat warning setting**  
R: 60~225 °C(140~437 °F), When exceeding the set warning value, the value flickers, and the warning signal will be lit according to the setting. U: 1 °C ( °F)
- **Backlight brightness**  
R: 1 - 5(darkest) ~ 5 - 5 (brightest)
- **Indicator lights**  
Turn signals / Neutral / Check engine / Warning / High beam / ABS / Anti-theft light

part

## BA077201

for Yamaha Bolt 2014+

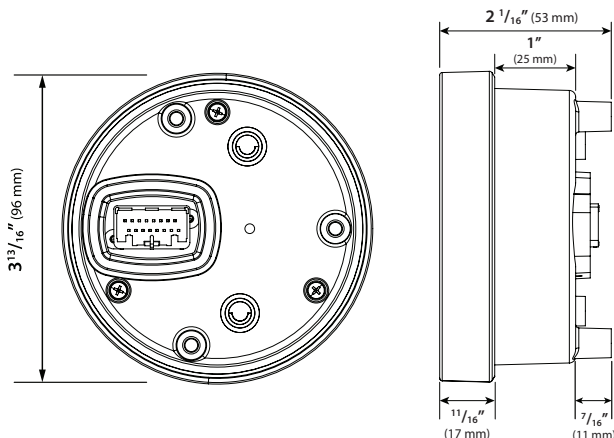
- Optional relocation bracket

## BE077000

Relocation bracket for DL-04B  
Yamaha Bolt® (page 203)



Optional relocation bracket kit  
(see at page 203)



\*DL-04B gauge with OEM bracket



# Pro 1

part

**BA054000**

## RPM and temperature gauge

The new Pro 1 meter has a wide and bright backlit screen for easy reading even in the darkest conditions. It also features an RPM and temperature warning to help prevent damages to your engine.

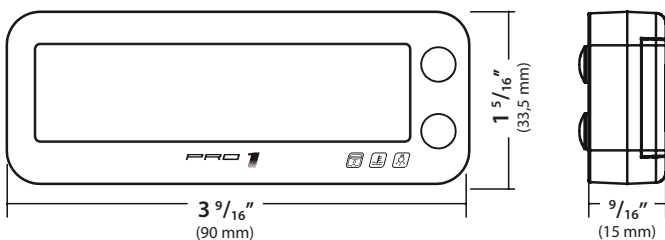
The Pro 1 meter is equipped with all the basic functions to provide you with important information: RPM reading, temperature and hour meter.



(R = Range U= Unit)

### Specifications

- **Tachometer**  
R: 0~20,000 RPM | U: 100 RPM
- **MAX RPM record**  
R: 0~20,000 RPM | U: 1 RPM
- **RPM input pulse**  
R: 0.5, 1 ~ 6
- **Shift light**  
R: 5,000 ~ 20, 000 RPM  
U: 100 RPM
- **Hour meter**  
R: 99,999 hours | U: 1 H
- **Hour meter A/B**  
R: 0 ~ 9,999.9 hours | U: 0.1 H
- **Volt meter**  
R: DC 8 ~ 18 V | U: DC 0.1 V
- **Thermometer**  
R: 32 ~ 482 °F (0 ~ 250 °C)  
U: 0.1 °F or °C (alternative)
- **MAX temperature record**  
R: 32 ~ 482 °F (0 ~ 250 °C)
- **Backlight setting**  
R: 1-5 (darkest) ~ 5-5 (brightest)  
U: 20% per level
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)



# DB-03R

part

## BA038000

Universal gauge

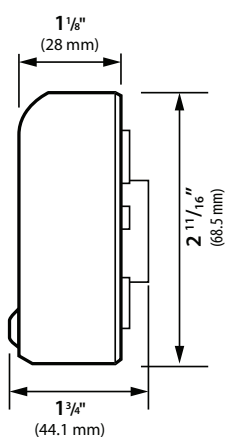
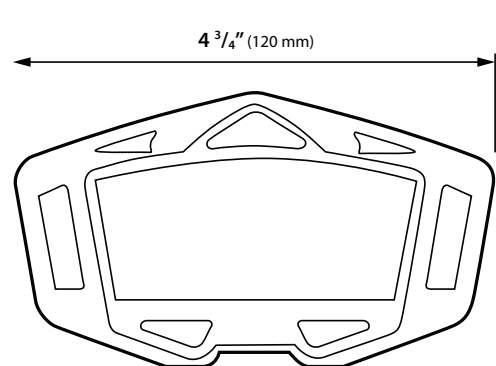
## BA038900

Plug and play gauge for  
Honda Grom® 2013-2021

## Multifunction gauge

The DB-03R is a multifunction meter with a modern casing that provides necessary critical readings. The DB-03r features all standard indicators needed to operate a vehicle on the street as well as 3 adjustable RPM/TACH scales to choose from in the settings. The DB-03R also features a three color changeable backlight.

Other functions include: Speedometer, odometer, trip, temperature, voltage and fuel level.



*\*Universal version accessories*

## Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: MPH or km/h
- **Odometer**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 999.9 miles (km) | U: 0.1 mile (km)
- **Total hour meter**  
R: 0 ~ 99,999 H | U: 1 H
- **Hour meter A/B**  
R: 0 ~ 999.9 H | Unit: 0.1 H
- **Tire circumference**  
R: 300 ~ 2,500 mm | U: 1 mm  
Sensitive point: 1 ~ 20
- **Tachometer R:**  
10,000 RPM (1 level = 166 RPM)  
12,000 RPM (1 level = 200 RPM)  
15,000 RPM (1 level = 250 RPM)
- **RPM warning / shift-light**  
R: 1,000 ~ 15,000 RPM | U: 100 RPM
- **Warning**  
Light on (F-OFF) | Flash (F-ON)
- **Maximum RPM record**  
R: 0 ~ 10,000 / 12,000 / 15,000 RPM
- **RPM input signal number setting**  
R: 0.5, 1 ~ 24
- **RPM input pulse**  
R: HI-ACT (positive wave pulse)  
LO-ACT (negative wave pulse)
- **Volt meter**  
R: DC 8 ~ 18 V  
Flashing warning when voltage is lower than DC 11.5 V or higher than DC 15.5 V
- **Thermometer**  
R: 32 ~ 482 °F (0 ~ 250 °C)  
U: 0.1 °F or °C (alternative)
- **Over temperature warning**  
R: 140 ~ 482°F (60 ~ 250°C) | U: 1°F (°C)
- **Top temperature record**  
R: 0 ~ 482°F (250°C)
- **Fuel meter**  
R: 6 levels | U: 1 level = 16.6 %
- **Fuel resistance**  
R: 100 Ω / 250 Ω / 510 Ω / 1,200 Ω / SW
- **Clock** R: 24 H format
- **Backlight brightness**  
R: 1/5 (darkest) ~ 5/5 (brightest)
- **Backlight colors**  
Blue / Orange / Purple
- **Indicator lights**  
Neutral / High beam / Turn signals/  
Check engine Oil level / Temperature /  
Speeding / RPM shift light
- **Gear indicator**  
R: N, 1, 2, 3, 4, 5, 6, 7, 8, 9
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage** DC 12 V
- **Sensor included**  
Passive speed sensor: BF019J06  
Temperature sensor: BF030000

**3**  
**CHANGEABLE COLORS**

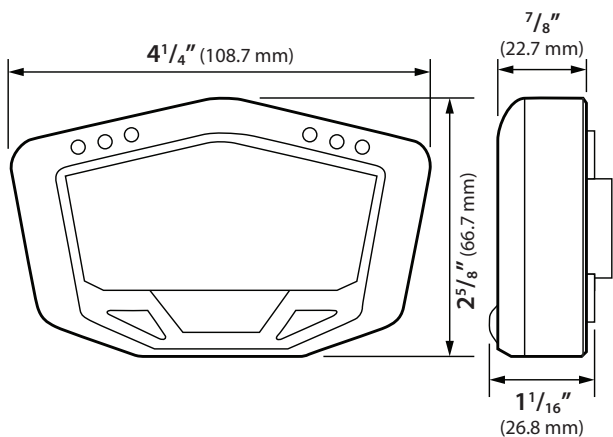
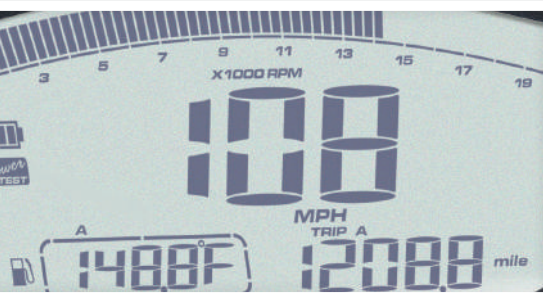
# DB-02

part  
**BA022W00**

## Multifunction gauge (Off-Road version)

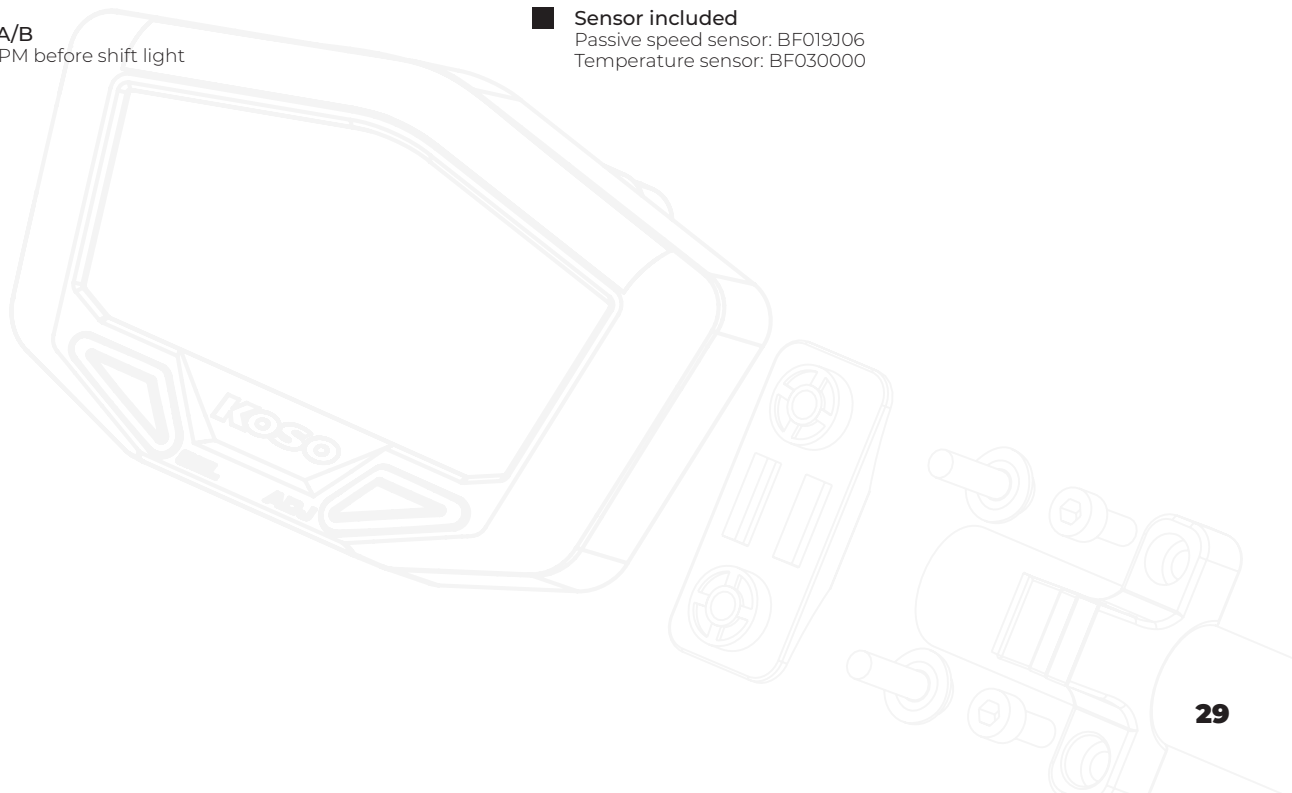
This DB-02 multifunction gauge was especially made to fit your off-road needs. Its small inner battery makes it usable on all dirt bikes and ATV's that don't have a DC 12 V battery. Its great shape and nice LCD display make it the perfect gauge to get for your off-road use. The changeable RPM scale allows this gauge to fit on about any engine applications.

This instrument also features a 3 stage shift light that allows you to shift gears perfectly. Besides these great functions, the DB-02 multifunction gauge features : speed, odometer, tripmeter, RPM, inner battery level, temperature, hour meter, and more.



## Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 999.9 miles (km) | U: 0.1 mile (km)
- **Speeding warning light**  
R: 20 ~ 225 MPH (30 ~ 360 km/h)
- **Top speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH(km)
- **Average speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)
- **Tire circumference**  
R: 300 ~ 2,500 mm | U: 1 mm  
Sensitive point: 1 ~ 6
- **Tachometer**  
R: 0~20,000 RPM | U: 10 RPM
- **Level tachometer** 60 levels  
R: 0 ~ 10,000 RPM | U: 166 RPM  
R: 0 ~ 15,000 RPM | U: 250 RPM  
R: 0 ~ 25,000 RPM | U: 333 RPM
- **RPM input signal number**  
R: P-0.5, P-1 ~P-25
- **RPM shift light**  
R: -5,000 ~ -20,000 RPM | U: 100 RPM
- **Pre-shift light A/B**  
R: 500 ~ 5,000 RPM before shift light  
U: 100 RPM
- **Maximum RPM record**  
R: 0 ~ 20,000 RPM
- **RPM input pulse**  
R: 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6
- **Hour meter**  
R: 0 ~ 999.9 hours | U: 0.1 hour (6s)
- **Thermometer A/B**  
R: 32 ~ 482 °F (0 ~ 250 °C)  
Unit: 0.1 °F or °C (alternative)
- **Over temperature warning A/B**  
R: 140 ~ 482°F (60 ~ 250°C) | U: 1°F (°C)
- **Top temperature record**  
R: 32 ~ 482 °F (0 ~ 250 °C)
- **Volt meter**  
R: DC 8 ~ 16 V | U: DC 0.1 V
- **Clock** R: 24 H format
- **Indicator lights**  
Speeding / Temperature alarm (A/B) / RPM shift light A / RPM shift light B / RPM shift light.
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage** DC 12 V
- **Battery type** CR 2032
- **Battery lifetime** ± 220 hours nonstop
- **Sensor included**  
Passive speed sensor: BF019J06  
Temperature sensor: BF030000



# DB-02R

part

**BA022W10**

■ Optional plug-in indicator kit

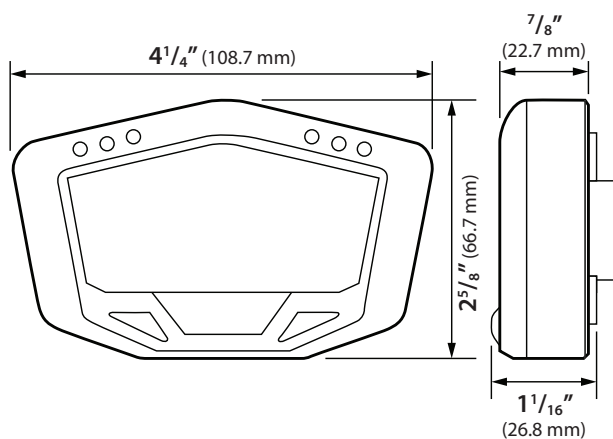
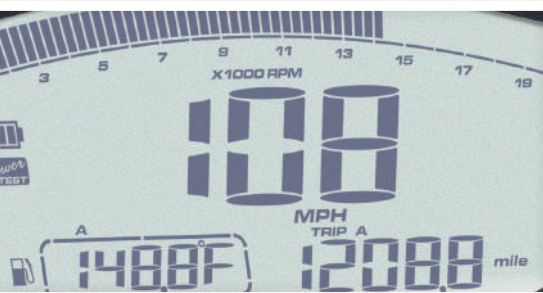
**BA022000**

For DB-02R gauge

## Multifunction gauge (Street/race version)

The DB-02R multifunction meter was especially made to fit your street or race bike needs. Its white backlight makes it very easy to read at night even at high speed. Its great shape and nice LCD display make it the perfect meter to get for your street or race bike. The changeable RPM scale allows this meter to fit about any engine applications.

This instrument also features a 3 stage shift light that allows you to shift gears perfectly. Besides these great functions, the DB-02R multifunction meter features: speed, odometer, tripmeter, RPM, inner battery level, temperature, hour meter, and more.



## Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 999.9 miles (km) | U: 0.1 mile (km)
- **Speeding warning light**  
R: 20 ~ 225 MPH (30 ~ 360 km/h)
- **Top speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH(km)
- **Tire circumference**  
R: 300 ~ 2,500 mm | U: 1 mm  
Sensitive point: 1 ~ 6
- **Tachometer**  
R: 0 ~ 20,000 RPM | U: 10 RPM
- **Level tachometer** 60 levels  
R: 0 ~ 10,000 RPM | U: 166 RPM  
R: 0 ~ 15,000 RPM | U: 250 RPM  
R: 0 ~ 20,000 RPM | U: 333 RPM
- **RPM shift light**  
R: 5,000 ~ 20,000 RPM | U: 100 RPM
- **Pre-shift light A/B**  
R: -500 ~ -5,000 RPM before shift light  
U: 100 RPM
- **Maximum RPM record**  
R: 0 ~ 20,000 RPM
- **RPM input pulse**  
R: 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6
- **Hour meter**  
R: 0 ~ 999.9 hours | U: 0.1 hour (6s)
- **Thermometer A/B**  
R: 32 ~ 482 °F (0 ~ 250 °C)  
Unit: 0.1 °F or °C (alternative)
- **Over temperature warning A/B**  
R: 140 ~ 482°F (60 ~ 250°C) | U: 1°F (°C)
- **Top temperature record**  
R: 32 ~ 482 °F (0 ~ 250 °C)
- **Fuel meter** R: 0 ~ 100%
- **Fuel resistance**  
R: 100 Ω / 510 Ω / no display
- **Low fuel warning** R: 10 ~ 50% | U: 10%
- **Target speed timer**  
D: 20 ~ 225 MPH (30 ~ 360 km/h)  
R: 5 MPH (km/h)
- **Target distance timer**  
D: 1/32 ~ 30/32 mile (50 ~ 1,500 m)  
U: 1/32 mile (50 m)
- **Top speed timer**  
Speed : 0 ~ 225 MPH (0 ~ 360 km/h) Distance : 0 ~ 3,280 feet (0 ~ 999 m)  
RPM : 0 ~ 20,000 RPM  
Timer : 0 ~ 9'59"99
- **Volt meter**  
R: DC 8 ~ 16 V | U: DC 0.1 V
- **Clock** R: 24 H format
- **Indicator lights**  
Speeding / Temperature alarm (A/B) / RPM shift light A / RPM shift light B / RPM shift light.
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage** DC 12 V
- **Battery type** CR 2032
- **Battery lifetime** ± 220 hours nonstop
- **Sensor included**  
Passive speed sensor: BF019J06  
Temperature sensor: BF030000

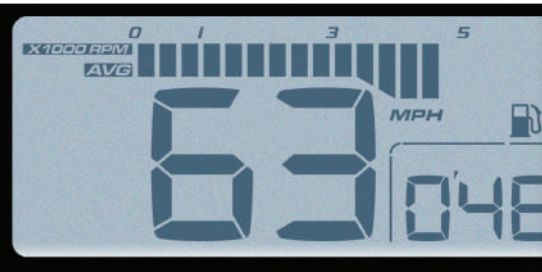
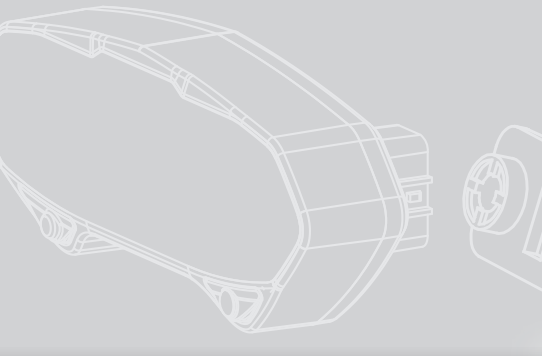
Optional plug-in indicator kit



# DB-01RN

part

**BA041000**



## Multifunction gauge

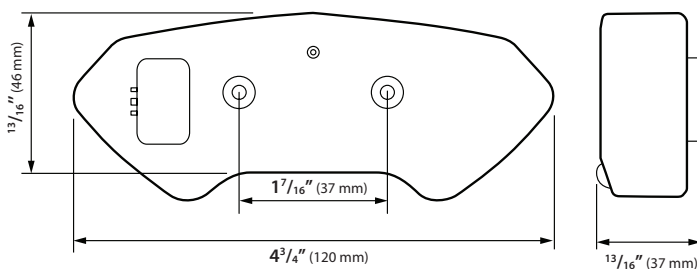
The DB-01RN multifunction meter is a true complete meter. Designed to look great on any type of bike, its large display and easy to use functions make this meter very simple to use while at the same time providing you with a unique stand out look that all riders look for.



(R = Range U= Unit)

### Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
Will blink when exceed range  
U: 1 MPH or km/h (alternative)
- **Oil maintenance mileage**  
U: 1 mile (km) | R 300 ~ 5,000 miles (500 ~ 8,000 km) Up to -999 miles (-999km) when exceeds 0.
- **Tachometer**  
R: 0~15,000 RPM | U: 10 RPM
- **Level tachometer**  
R: 0 ~ 10,000 RPM | U: 333 RPM  
R: 0 ~ 12,000 RPM | U: 400 RPM  
R: 0 ~ 15,000 RPM | U: 500 RPM
- **Total hour meter**  
R: 0 ~ 99,999,9 hours | U: 0.1 hour
- **Tire circumference**  
R: 300 ~ 2,500 mm | U: 1 mm  
Sensitive point: 1 ~ 20
- **Fuel resistance**  
R: 100 Ω / 250 Ω / 270 Ω / 510 Ω / 1200 Ω / Switch / User
- **Volt meter** R: DC 8 ~ 16 V
- **Clock** R: 12 H or 24 H format (alternative)
- **Indicator lights**  
Neutral / High beam / Turn signals / Check engine / Oil level / Water temperature / Low fuel
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage** DC 12 V



# DB-01R+

part

**BA027002**

## Multifunction gauge

Our DB-01R+ multifunction meter is an upgraded version of our popular DB-01R multifunction meter. Perfect for cafe racers, street fighters or dual-sports motorcycles, this meter features a large LCD display which uses a 3 different color changeable backlight to makes it easier to read during day or night riding.

Get the information you need on this unique and lightweight meter that will enhance your motorcycle.



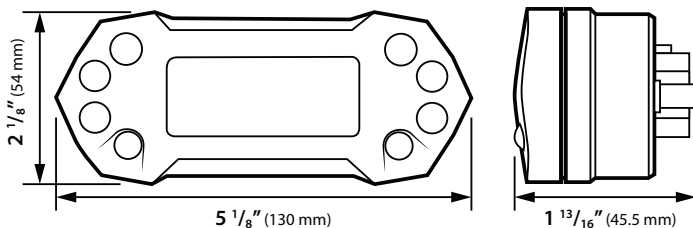
(R = Range U= Unit)

## Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 999.9 miles (km) | U: 0.1 mile (km)
- **Tire circumference**  
R: 300 ~ 2,500 mm | U: 1 mm  
Sensitive point: 1 ~ 20
- **Graph bar tachometer**  
R: 10,000 / 12,000 / 15,000 RPM  
U: 500 RPM
- **RPM input pulse**  
R: 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6
- **Fuel meter**  
R: 10 levels | U: 1 level = 16.6 %
- **Fuel resistance**  
R: 100 Ω / 250 Ω / 510 Ω / 510 Ω / 1,200 Ω
- **Low fuel warning**  
R: 0.1 ~ 16.6% (flashing) | R: 0 (light on)
- **Stroke / piston setting**  
2 stroke: 1, 2, 3, 4 pistons  
4 stroke: 1, 2, 3, 4, 5, 6, 8, 10, 12 pistons
- **Indicator lights**  
Neutral / High beam / Turn signals /  
Check engine / Oil level / Low fuel
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage** DC 12 V
- **Sensor included**  
Passive speed sensor : BF019J06



**3**  
**CHANGEABLE COLORS**



# Mini 5

new

part

**BA090000**

## GPS speedometer

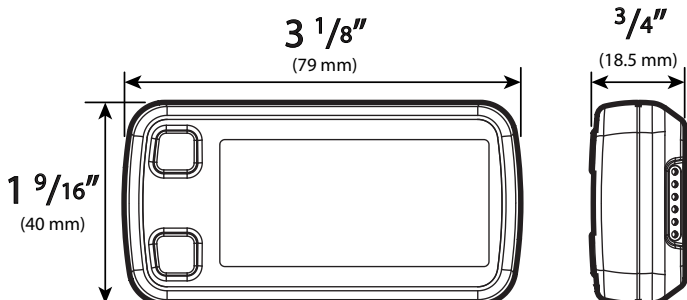
Compact and powerful, the new Mini 5 GPS Speedometer is packed with many features: Tripmeter, odometer, clock, voltmeter and an indicator light to monitor your speed and voltage level. Its integrated GPS signal will give you precise readings and keep you safe on the road. It includes a velcro setup for versatile installation to stay informed with ease.



(R = Range U= Unit)

### Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 9,999.9 miles (km)  
U: 0.1 mile (km)
- **Volt meter**  
R: DC 8 ~ 18 V
- **Integrated GPS signal**
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Clock** R: 24 H + 12 H format
- **Indicator lights**  
R : Exceeded voltage upper limit (orange) / Overvoltage warning (yellow) / Normal voltage (green) / Undervoltage warning (blue) / Exceeded voltage lower limit (dark) / Overspeed warning (red)
- **Backlight brightness**  
R : 1/5 (darkest) ~ 5/5 (brightest)



## GPS speedometer

The EX-02G is the perfect gauge for all off road applications and comes with a GPS sensor. It also has a compact shape and waterproof connectors. The illuminated backlight makes the instrument very easy to read even in the darkest conditions.

The EX-02G speedometer is equipped with all the basic functions such as speed, odometer, tripmeter as well as hour meter, voltage, clock and stopwatch.



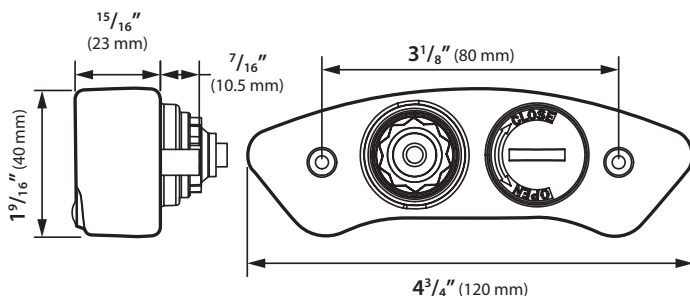
**\*Requires 12V DC power**

(R = Range U= Unit)

### Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 9,999.9 miles (km)  
U: 0.1 mile (km)
- **Hour meter** R: 0 ~ 99,999.9 hours  
U: 0.1 H
- **Hour meter A/B**  
R: 0 ~ 9,999.9 hours | U: 0.1 H
- **Volt meter**  
R: DC 8 ~ 18 V | U: DC 0.1 V
- **Stopwatch**  
R: 0 ~ 9'59"99 | U: 0,01 second
- **Top speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)
- **Average speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)
- **Max voltage record** R: DC 8 ~ 18 V
- **Inner Battery level** R: 4 levels
- **Clock** R: 12 or 24 H format
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Power**  
LCD: Internal CR 2032 battery  
Backlight: DC 12 V

**\*Comes with a GPS sensor kit**



# EX-02

## Speedometer (Enduro version)

Developed by Enduro riders, this EX-02 speedometer is the perfect solution for all Enduro applications. Lightweight, compact and using a convenient speed sensor bracket, it can be quickly installed on most dirt bikes. The EX-02 speedometer features all the basic functions such as speed, odometer, tripmeter, hour meter, voltage, stop-watch and clock.

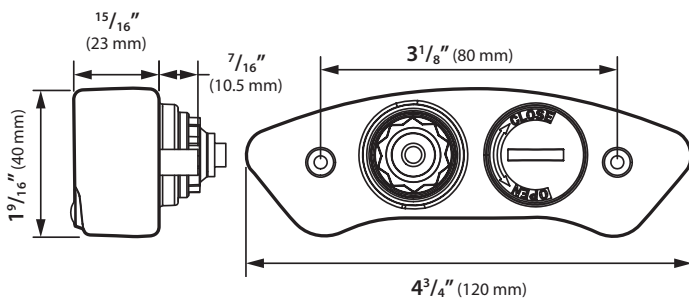
This meter also has the illuminated background with adjustable brightness that allows a good visibility of the display whether your ride on a bright sunny day or at night time.



(R = Range U= Unit)

### Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 9,999.9 miles (km)  
U: 0.1 mile (km)
- **Hour meter** R: 0 ~ 99,999.9 hours  
U: 0.1 H
- **Hour meter A/B**  
R: 0 ~ 9,999.9 hours | U: 0.1 H
- **Volt meter**  
R: DC 8 ~ 18 V | U: DC 0.1 V
- **Stopwatch**  
R: 0 ~ 9'59"99  
| U: 0,01 second
- **Top speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)
- **Average speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)
- **Max voltage record** R: DC 8 ~ 18 V
- **Inner Battery level** R: 4 levels
- **Clock** R: 12 or 24 H format
- **Indicator lights**  
Turn signals / Neutral / Warning / High beam / Check engine
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)



## Application list

- **Honda BA048HON-1**  
CR 125R / 250R 2000-2007  
CRF 250X / 250R 2004-2023  
CRF 450R / 450X 2002-2023  
CR 500 R 2000-2001



- **Kawasaki BA048KAW-2**  
KLXR 300 2000-2007  
KX 125 2000-2005  
KX 250 2000-2003  
KX 500 2000-2004

- **Suzuki BA048SUZ-1**  
RM 125 / 250 2000-2008  
RMZ / 250 2004-2023

- BA048SUZ-2**  
RMZ 450 2005-2023

- **KTM BA048KTM-1**  
SX / MXC / EXC / XC / XC-W 2000-2017



- **Yamaha BA048YAM-1**  
WR 450F 2003-2023  
WR 250 2001-2023  
YZ 125F / 250F 2008-2023  
YZ 450F 2003-2020

- BA048YAM-2**  
WR 400F 2000  
WR 426F 2001-2002  
YZ 125 / 125F / 250 / 250F 2000-2007  
YZ 426F 2000

- **Kawasaki BA048KAW-1**  
KX 450 2006-2023  
KLX 450 2008-2009  
KX 250 2003-2023



Kawasaki / Suzuki / Yamaha  
*\*Magnet type may vary.*



# EX-02

part

**BA048000**

## Speedometer (Universal version)

With its compact shape and waterproof connectors, the EX-02 speedometer is the perfect meter for all off road applications. The illuminated backlight makes the instrument very easy to read even in the darkest conditions.

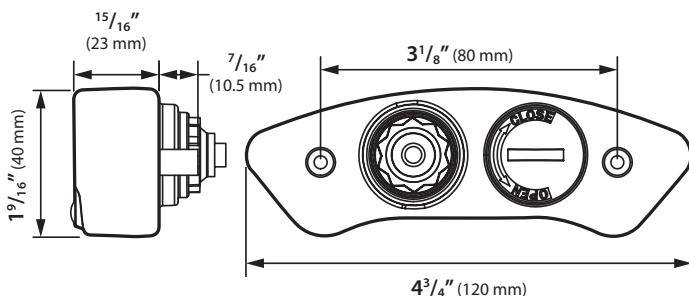
The EX-02 speedometer is equipped with all the basic functions such as speed, odometer, tripmeter as well as hour meter, voltage, clock and stopwatch.



(R = Range U= Unit)

### Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 9,999.9 miles (km)  
U: 0.1 mile (km)
- **Hour meter** R: 0 ~ 99,999.9 hours  
U: 0.1 H
- **Hour meter A/B**  
R: 0 ~ 9,999.9 hours | U: 0.1 H
- **Volt meter**  
R: DC 8 ~ 18 V | U: DC 0.1 V
- **Stopwatch**  
R: 0 ~ 9'59"99 | U: 0,01 second
- **Top speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)
- **Average speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)
- **Max voltage record** R: DC 8 ~ 18 V
- **Inner Battery level** R: 4 levels
- **Clock** R: 12 or 24 H format
- **Indicator lights**  
Turn signals / Neutral / Warning / High beam / Check engine
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Power**  
LCD: Internal CR 2032 battery  
Backlight: DC 12 V



# EX-02S

part

**BA048001**

## Speedometer (Street version)

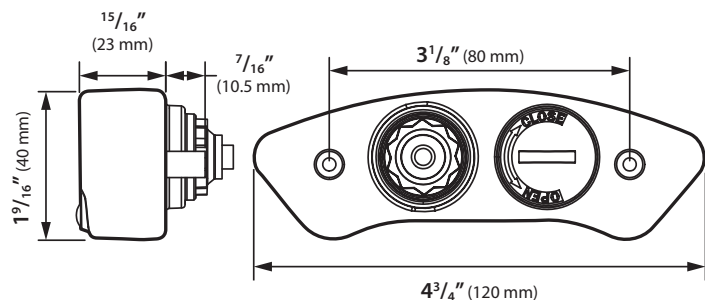
With its modern look, this EX-02S speedometer is the perfect meter for all dual applications. Its illuminated backlight makes this meter very easy to read even when you ride at night. Featuring speed, odometer, tripmeter, hour meter, voltage, clock and stopwatch as well as 6 indicator lights, this meter will give you all information you need.



(R = Range U= Unit)

### Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 9,999.9 miles (km)  
U: 0.1 mile (km)
- **Oil maintenance mileage**  
R: 300 ~ 5,000 Miles (km) | U: 1 MPH(km)
- **Hour meter** R: 0 ~ 99,999.9 hours  
U: 0.1 H
- **Hour meter A/B**  
R: 0 ~ 9,999.9 hours | U: 0.1 H
- **Volt meter**  
R: DC 8 ~ 18 V | U: DC 0.1 V
- **Stopwatch**  
R: 0 ~ 9'59"99 | U: 0,01 second
- **Top speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)
- **Average speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)
- **Max voltage record** R: DC 8 ~ 18 V
- **Inner Battery level** R: 4 levels
- **Clock** R: 12 or 24 H format
- **Indicator lights**  
Turn signals / Neutral / Warning /  
High beam / Check engine
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Power**  
LCD: Internal CR 2032 battery  
Backlight: DC 12 V



# XR-01G

new

part

**BB026010**

■ Optional steering column  
bracket for golf cart

**BE026000**

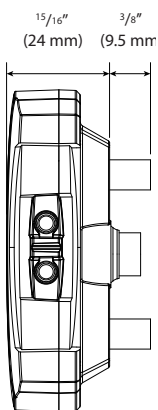
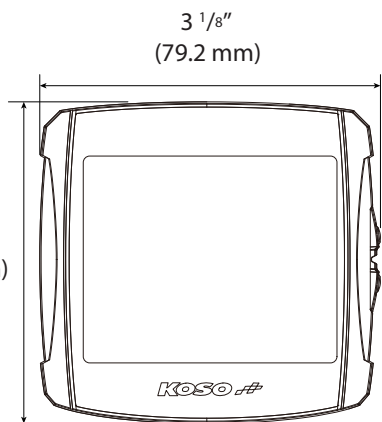
For golf cart

## GPS speedometer for golf carts

Featuring an 8 changeable backlight colors, the new XR-01G GPS speedometer is a great fit for any golf cart whether it is electric or gas powered! Equipped with a GPS sensor, this gauge will provide essential data such as speed, volt, hour, trip meter, volt, clock and fuel for an accurate maintenance of your engine and a safe drive.



Optional steering column  
bracket for golf cart



## Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 9, 999.9 miles (km)  
U: 0.1 mile (km)
- **Volt meter**  
(When fuel gauge function is enabled)  
R: DC 8.0 ~ 24.0V  
U: DC 1V  
(When fuel gauge function is disabled)  
R: DC 0 ~ 85V, 6 levels (42 ~ 52V / 63 ~ 78V)  
U: DC 1V, 1 level (2V, 3V)
- **Voltage BAR**  
R: 48V - 72V
- **Fuel level**  
R: 6 levels
- **Fuel meter**  
R: 100 Ω / 250 Ω / 270 Ω / 390 Ω / 510 Ω / 1200 Ω / SW / Custom / OFF
- **Sensor included**  
GPS sensor type
- **Effective temperature range**  
-22 ~ 248 °F (-30 ~ 120 °C)
- **Clock** R: 24 H format
- **Oil maintenance mileage**  
R: 300 ~ 5,000 Miles (km) | U: 100 Miles (km)
- **Backlight color**  
R: white, red, orange, yellow, blue, light blue, purple, green
- **Backlight brightness**  
R: 1/5 (darkest) ~ 5/5 (brightness)



## CHANGEABLE COLORS



# XR-01

part  
**BB026000**

## Speedometer (Off-Road version)

Thinner and lighter than its previous version, the XR-S speedometer, our innovative XR-01 speedometer most importantly features a larger, higher quality and easy to read LCD display. New interesting functions were added such as a 2 hour meter readings, a maintenance hour meter for oil change, 2 tripmeter readings, and a useful clock.

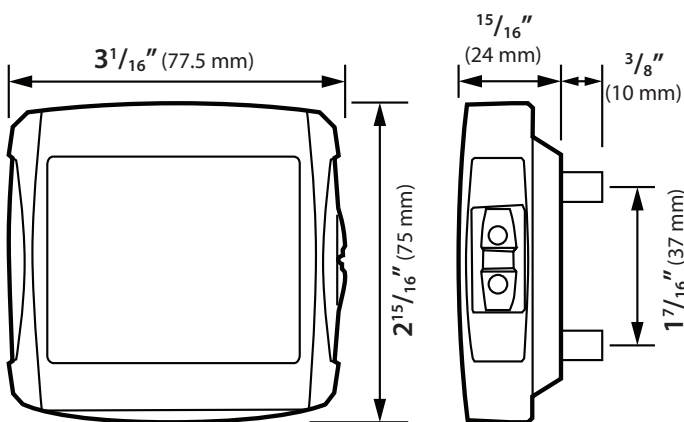
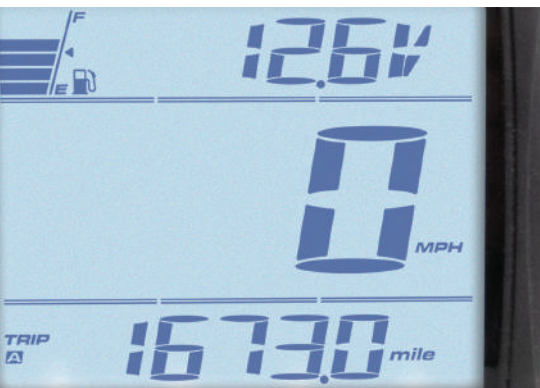
This meter is simple, user-friendly, and easy to read during day or night riding. The XR-01 speedometer is a great fit for any kind of motorcycle, scooter, ATV and more!



(R = Range U= Unit)

### Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 9,999.9 miles (km)  
U: 0.1 mile (km)
- **Oil maintenance mileage**  
R: 300 ~ 5,000 Miles (km) | U: 1 MPH(km)
- **Hour meter** R: 0 ~ 99,999 hours | U: 1 H
- **Hour meter A/B**  
R: 0 ~ 9,999 hours | U:0.1 H
- **Top speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)
- **Average speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)
- **Tire circumference**  
R: 300 ~ 2,500 mm | U: 1 mm  
Sensitive point: 1 ~ 6
- **Volt meter**  
R: DC 8 ~ 18 V | Flashing light when <DC 11.5 V or >DC 15.5 V
- **Backlight brightness**  
R: 1/5 (darkest) ~ 5/5 (brightest)
- **Fuel level** R: 6 levels
- **Fuel resistance**  
R: 100 Ω / 250 Ω / 510 Ω / USER
- **Clock** R: 24 H format
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage** DC 12 V
- **Sensor type**  
Passive speed sensor : BF01930



# XR-01S

part

**BB026001**

## Speedometer

(Street version)

Our innovative XR-01S speedometer features a larger, higher quality and easy to read LCD display. The indicator light functions are still there. New interesting functions were also added and they include a 2 hour meter readings, a maintenance hour meter for oil change, 2 tripmeter readings, and a useful clock.

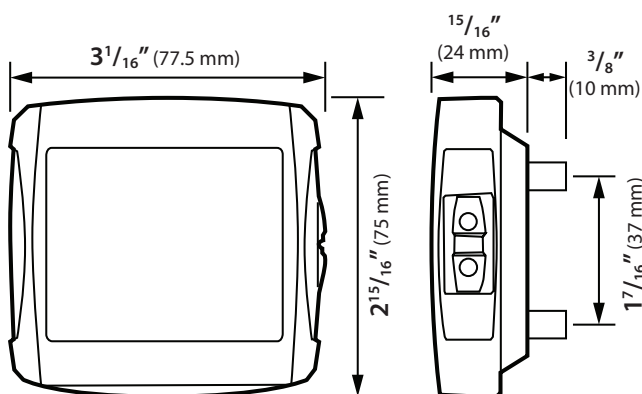
This meter is user-friendly, easy to read during day or night, and is a great fit for any kind of motorcycle, scooter or other bike.



(R = Range U= Unit)

## Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 9,999.9 miles (km)  
U: 0.1 mile (km)
- **Oil maintenance mileage**  
R: 300 ~ 5,000 Miles (km) | U: 1 MPH(km)
- **Hour meter** R: 0 ~ 99,999 hours | U: 1 H
- **Hour meter A/B**  
R: 0 ~ 9,999 hours | U: 0.1 H
- **Top speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)
- **Average speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)
- **Tire circumference**  
R: 300 ~ 2,500 mm | U: 1 mm  
Sensitive point: 1 ~ 6
- **Volt meter**  
R: DC 8 ~ 18 V | Flashing light when <DC 11.5 V or >DC 15.5 V
- **Backlight brightness**  
R: 1/5 (darkest) ~ 5/5 (brightness)
- **Fuel level** R: 6 levels
- **Fuel resistance**  
R: 100 Ω / 250 Ω / 510 Ω / USER
- **Clock** R: 24 H format
- **Indicator lights**  
Turn signals / Neutral / Warning / High beam / Check engine
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage** DC 12 V
- **Sensor type**  
Passive speed sensor : BF019J0



# DL-03A

part

## BB642W30

with 6ft extension wire

## BB642W31

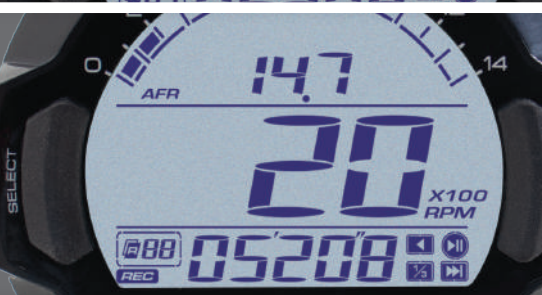
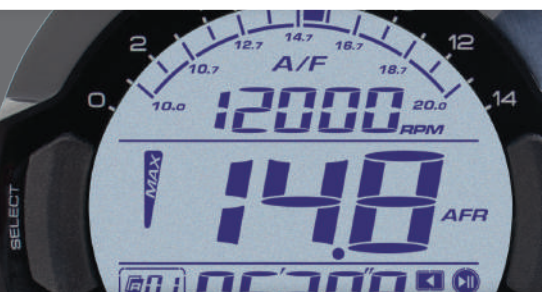
with 12ft extension wire

## Air/Fuel ratio & RPM data logger

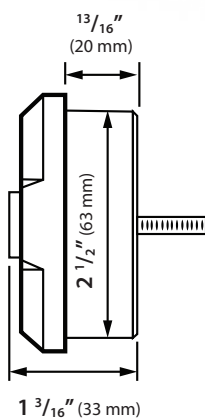
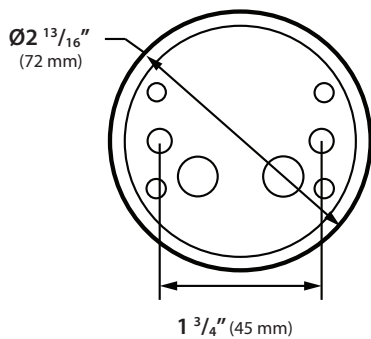
The DL-03A is the newest addition into our lineup of gauges. It features air/fuel ratio reading, RPM and data logging playback ability in real time to optimize your riding performance.

Automatically activates the heated screen to increase display reaction time in cold weather.

This meter is also easy to operate, compact and lightweight and can be mounted to many applications including snowmobiles, UTV's and more.



LSU 4.9 sensor included



(R = Range U= Unit)

## Specifications

- **Tachometer**  
R: 0 ~ 14,000 RPM  
U: 1 level = 1,000 RPM
- **Air/fuel ratio**  
R: 9.0 ~ 24.0
- **Over LEAN setting**  
R: LEAN 14.7 ~ 24
- **Over RICH setting**  
R: RICH 9.0 ~ 14.7
- **Sensor type**  
Bosch oxygen sensor: LSU 4.9
- Compatible with 2 stroke or 4 stroke engines
- "2 stroke adapter" **BC001855** is optional when used on a 2 stroke application
- Requires a DC 12 V battery absolutely (will not function with our AC/DC converter)
- **Records:** Number of records: 50 sessions
- **Recording time**  
R: 99'59"99 seconds | TR: approx 3.18 Hr
- **Play mode speed**  
1 x play / pause | 3 x play / pause  
1/3 x play / pause | 1 x rewind / pause
- **Digital volt meter**  
R: DC 5 ~ 24 V  
Flashing numbers settable range  
DC 8V to DC 18V
- **Heated screen**  
Optimized reaction time under cold weather
- **Backlight brightness**  
R: 3 levels
- **Indicator lights**  
5 red LED warning lights
- **Effective temperature**  
R: 14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage** DC 12 V



# DL-03SR

part

**BB642W20**

## GP style multifunction gauge

The DL-03SR GP Style multifunction meter features about all the functions you need to go on the street. The large digits, indicator lights and backlight make this instrument easy to read, even at night. The universal speed sensor and bracket allow to install this meter on about any applications.

Compact, lightweight, easy to operate, this is our DL-03SR GP Style multifunction meter.

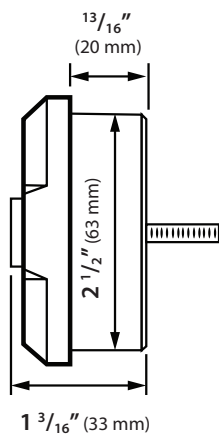
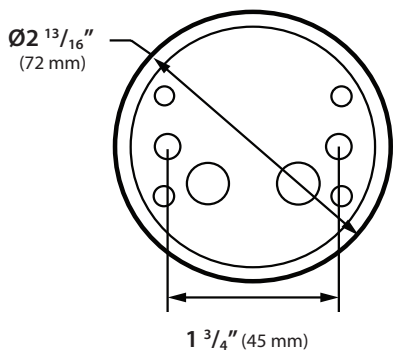


(R = Range U= Unit)



### Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h
- **Odometer**  
R: 0 ~ 99,999 miles (km) U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 999.9 miles (km) U: 0.1 mile (km)
- **Fuel / remaining distance**  
R: 0 ~ 999.9 miles (km) U: 0.1 mile (km)
- **Tire circumference**  
R: 300 ~ 2,500 mm | U: 1 mm  
Sensor point: 1 ~ 60
- **Tachometer**  
R: 0 ~ 15,000 RPM  
U: 1 level = 1,000 RPM
- **Fuel level** R: 4 levels  
Flashing fuel symbol when 1 level left
- **Fuel resistance**  
R: 100 Ω / 250 Ω / 510 Ω / 1,200 Ω
- **Clock** R: 24 H format
- **Digital volt meter**  
R: DC 5 ~ 24 V  
Flashing warning light when < DC 8 V or > DC 18 V.
- **Volt meter**  
R: 4 levels  
Flashing volt symbol when 1 level left
- **Backlight brightness**  
R: 1/5 (darkest) ~ 5/5 (brightest)
- **Indicator lights**  
Neutral / Check engine / Oil level / High beam / Turn signals /
- **Effective temperature**  
R: 14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage** DC 12 V
- **Sensor included**  
Passive speed sensor : BF019J06



part

## BA029001

snowmobile version

### Wideband a/f ratio, boost and intercooler temperature gauge

This X-2 multifunction unit is a great tool for all horsepower enthusiasts that are upgrading their engine with a turbo or supercharger. This unit combines boost pressure, air/fuel ratio and a temperature function which can be installed on the cooling system or the intercooler.

This meter is made to resist cold temperature, snow, water and dust.

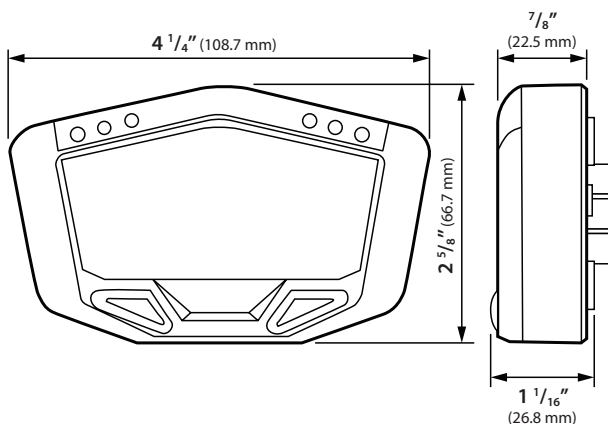


(R = Range U = Unit)

#### Specifications

- **Digital boost pressure**  
R: 0 ~ 15/30 psi | U: 0.5 psi
- **Peak recall**  
positive R: 10 ~ 30 psi | U: 1 psi  
negative R: -1 ~ -30 psi | U: 1 psi
- **Level boost pressure**  
15 psi R: 0 ~ 15 psi | U: 0.5 psi  
30 psi R: 0 ~ 30 psi | U: 1 psi
- **Boost pressure warning** R: 1 ~ 30 psi
- **Digital air/fuel ratio** R: 9 ~ 24 | U: 0.1
- **Level air/fuel ratio** R: 9 ~ 21 | U: 0.2
- **Over LEAN setting** R: 14.8 ~ 24
- **Over RICH setting** R: RICH 14.6 ~ 10
- **Warning function**  
Screen changes blue to amber
- **Temperature**  
R: 32 ~ 482 °F (0 ~ 250 °C)  
U: 0.1 °F or °C (alternative)
- **Over temperature setting**  
R: 140 ~ 482 °F (0 ~ 250 °C) | U: 1 °F (°C)
- **Indicator lights**  
AFR (green), High AFR (red), Low AFR (red), Pressure (red), Temperature (red)
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage** DC 12 V
- **Sensor type**  
Boost sensor: BF521000  
Bosch oxygen sensor: 28-BOSCH  
Temp. sensor: BF030000

- Compatible with 2 stroke or 4 stroke engines
- "2 stroke adapter" **BC001855** is mandatory when used on a 2 stroke application
- Requires a DC 12 V battery absolutely (will not function with our AC/DC converter)



# EGT-02R EVO

part

**BA006010**

standard EGT sensor

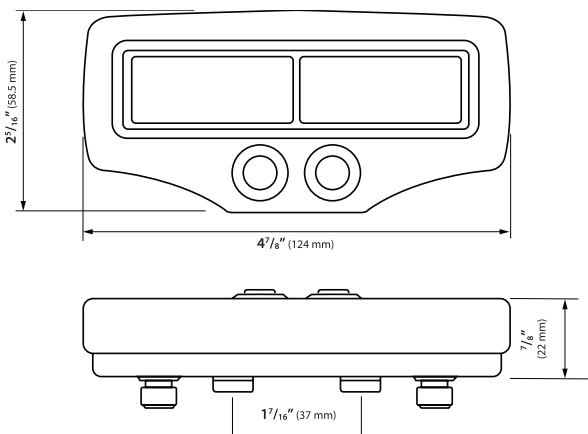
**BA006010-X**

fast response EGT sensor

## Dual EGT with RPM & water temperature data logger

The EGT-02R EVO is an evolution of our original dual exhaust temperature meter. This new meter allows you to tune your engine more precisely and keep a record of your previous runs (up to 50). It also includes features such as RPM & water temperature. You will have the ability to set a warning for each setting including water temp, RPM & EGT

The red flashing of the screen makes it very easy to see if something is going wrong with the engine. This tool could save your motor!



## Specifications

- **Digital EGT temperature L/R**  
R: 250 ~ 2,100 °F (100 ~ 1,200 °C)  
U: 1 °F or °C (alternative)
- **Over EGT temp. warning**  
R: 392 ~ 1,832 °F (200 ~ 1,000 °C)  
U: 1 °F (°C)
- **Max EGT temp. record**  
R: 250 ~ 2,100 °F (100 ~ 1,200 °C)  
U: 1 °F (°C)
- **Volt meter**  
R: DC 0.8 ~ 18 V | U: DC 0.1 V
- **Volt meter warning**  
R: low voltage: DC 8.0 ~ 13.0 V  
R: high voltage: DC 13.0 ~ 16.0 V
- **RPM**  
R: 0 ~ 15,000 RPM
- **RPM input signal number setting**  
R: 0.5, 1, 1.5, 2, 2.5, 3 ~ 24
- **RPM input pulse**  
R: HI-ACT (positive wave pulse)  
LO-ACT (negative wave pulse)
- **RPM warning / shift-light**  
R: 1,000 ~ 15,000 RPM | U: 100 RPM
- **Max RPM record**  
R: 1,000 ~ 15,000 RPM
- **Water temperature**  
32 ~ 482 °F (0 ~ 250 °C)  
U: 1 °F or °C (alternative)
- **Water temperature warning**  
140 ~ 482 °F (60 ~ 250 °C)
- **Max Water temperature record**  
140 ~ 482 °F (60 ~ 250 °C)
- **Backlight brightness**  
R: 1/5(Darkest) ~ 5/5(Brightest)
- **Max recorded runs**  
50 runs
- **Recording time**  
R: 99'59"99 seconds | TR: approx 3.18 Hr
- **Play mode speed**  
1 x play / pause | 3 x play / pause  
1/3 x play / pause | 1 x rewind / pause
- **Effective temperature range**  
R: 14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage**  
AC/DC 12 V
- **Sensor type (66" wire length)**  
EGT standard: BF000100  
EGT fast response: BF000101



# EGT-02 EVO

part

## BA006000

standard EGT sensor

## BA006000-X

fast response EGT sensor

## Dual exhaust gas temperature data logger

Like its name suggests, this is an evolution of our original dual exhaust temperature meter. This new meter allows you to tune your engine more precisely and keep a record of your previous runs (up to 50). The settable warning for each cylinder gives you the opportunity to set a maximum temperature warning of up to 2,100 °F.

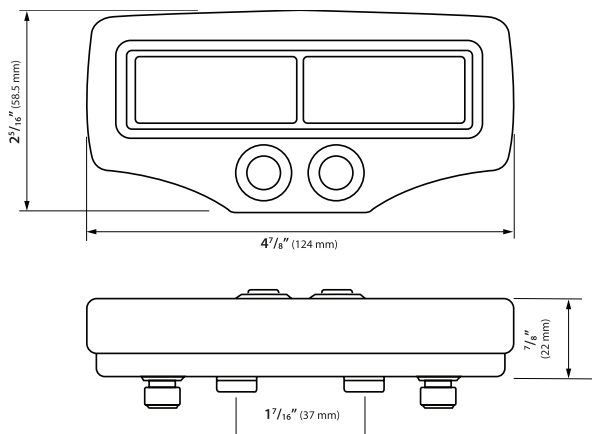
The red flashing of the screen makes it very easy to see if something is going wrong with the engine.



(R = Range U= Unit)

### Specifications

- Digital EGT temperature L/R  
R: 250 ~ 2,100 °F (100 ~ 1,200 °C)  
U: 1 °F or °C (alternative)
- Over EGT temp. warning  
R: 392 ~ 1,832 °F (200 ~ 1,000 °C)  
U: 1 °F (°C)
- Max EGT temp. record  
R: 250 ~ 2,100 °F (100 ~ 1,200 °C)  
U: 1 °F (°C)
- Volt meter R: DC 0.8 ~ 18 V | U: DC 0.1 V
- Volt meter warning  
R: low voltage: DC 8.0 ~ 13.0 V  
R: high voltage: DC 13.0 ~ 16.0 V
- Backlight brightness  
R: 1/5(Darkest) ~ 5/5(Brightest)
- Max recorded runs: 50 runs
- Recording time  
R: 99'59"99 seconds | TR: approx 3.18 Hr
- Play mode speed  
1 x play / pause | 3 x play / pause  
1/3 x play / pause | 1 x rewind / pause
- Effective temperature range  
R: 14 ~ 140 °F (-10 ~ 60 °C)
- Effective voltage AC/DC 12 V
- Sensor type (66" wire length)  
EGT standard: 28-CKTYPE9  
EGT fast response: 28-CKTYPEX



# EGT-01

## Single exhaust gas temperature gauge

This nice backlit EGT-01 single exhaust gas temperature meter will give you precious data on your engine. It will allow you to tune it more precisely. Its warning signal could even save your engine from potential damage.



part

**BA004065**

standard EGT sensor

**BA004065X**

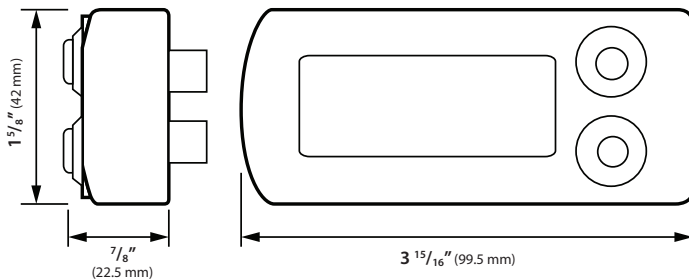
fast response EGT sensor



(R = Range U= Unit)

### Specifications

- **Digital EGT temperature**  
R: 250 ~ 2,100 °F (100 ~ 1,200 °C)  
U: 1 °F or °C (alternative)
- **Over temperature warning**  
R: 392 ~ 2,100 °F (200 ~ 1,200 °C)  
U: 1 °F (°C)
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage**  
AC/DC 12 V
- **Sensor type (66" wire length)**  
EGT standard: 28-CKTYPE9  
EGT fast response: 28-CKTYPEX



# Super slim touch

part

**BA068040**

blue

**BA068041**

red

## Digital super slim touch screen, volt & temperature meter

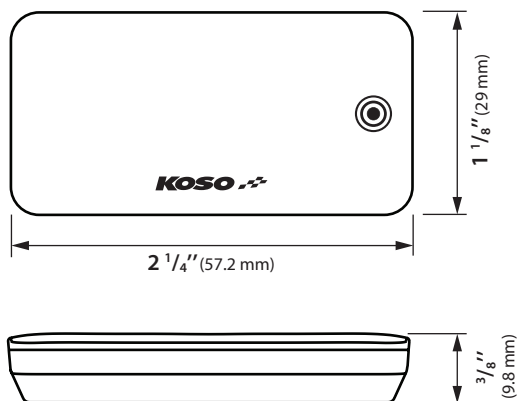
This new small and compact size digital meter with touch screen lets you switch between volt and a temperature reading at the touch of your finger. The blue or red illuminated digits are attractive and easy to read at night.



(R = Range U= Unit)

### Specifications

- **Volt meter**  
R: DC 8 ~ 18 V  
Flashing warning light when < DC 8 V or > DC 13 V.
- **Temperature**  
R: -4 ~ 248 °F (-20 ~ 120 °C)  
U: 0.1 °F (°C) alternative
- **Max temperature Record**  
R: 32 ~ 248 °F (0 ~ 120 °C)
- **Overheat temperature Warning**  
R: 122 ~ 248 °F (50 ~ 120 °C)
- **Effective temperature**  
R: 14 ~ 140 °F (-10 ~ 60 °C)



# Mini4 IFR

## Infrared temperature gauge with sensor

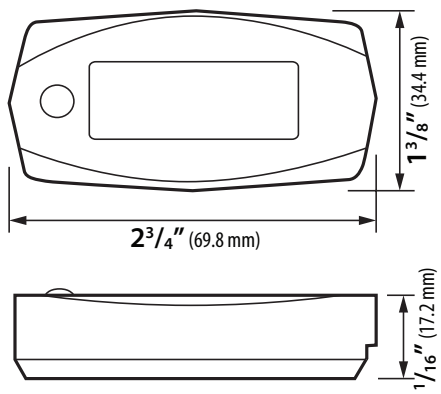
The infrared temperature meter by Koso has been designed to provide critical surface temperature readings. This device is a great tool for monitoring your temperature and manage your next session/race for a better performance. The sensor features a 10° field of view measuring temperatures up to 302°F. It can be use to monitor many applications such as: brakes temp, shocks temps, transmission temp, etc.



(R = Range U= Unit)

### Specifications

- Dimeable back light
- Programmable warning
- Volt meter
- 10° angle sensor
- Maximum recall
- Sensor operating temperature: -40 ~ 255 °F (-40 ~ 125 °C)
- Sensor temperature range: up to 302 °F (150 °C)
- Meter operating temperature: -14 ~ 140 °F (-10 ~ 60 °C)
- Effective voltage: DC 12



part

**BA033050**

### Optional extension wire

part

BZ008000	6FT
BZ008001	10FT
BZ008002	15FT



### Optional extension wire

(6FT, 10FT and 15FT)



# Mini4

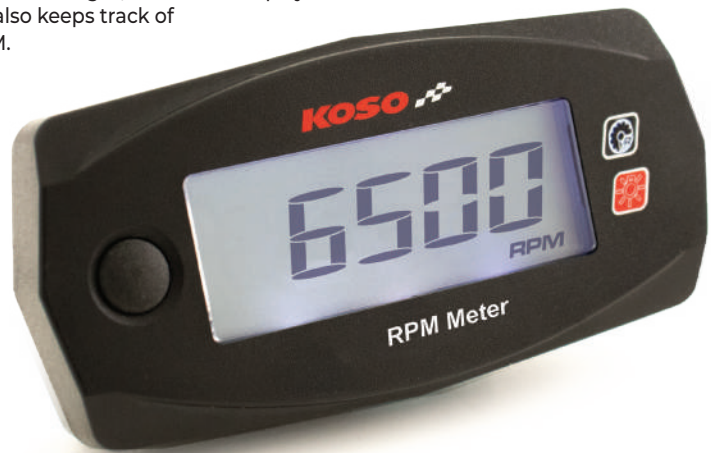
part

**BA033040**

## Tachometer

Our Mini4 tachometer uses an LCD screen powered by an inner CR 2032 changeable battery that allows installation on any vehicle. With the small, compact and user-friendly size, it is perfect for many applications.

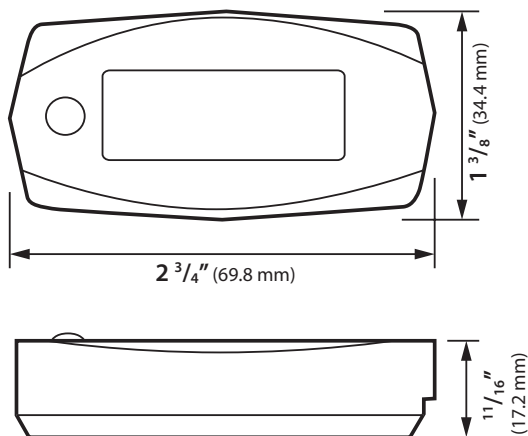
It also features a backlight, has a RPM display warning and also keeps track of your max RPM.



(R = Range U= Unit)

### Specifications

- **RPM**  
R: 0 ~ 20,000 RPM  
U: 10 RPM
- **RPM input pulse**  
R: 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6
- **MAX RPM record**  
R: 0 ~ 20,000 RPM
- **RPM display warning:**  
R: 5,000 ~ 20,000 RPM | U: 100 RPM
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Backlight:**  
12V DC
- **Meter supply voltage:**  
DC 12 (battery)
- **Power LCD**  
CR 2032
- **Battery lifetime**  
± 350 H





# Mini 3

part

## BA003200

oil pressure meter

## BA003270

ambient air temp.

## BA003190

AMP & volt meter

## BA003160

clock & volt meter

## BA003170

dual temperature meter

■ Optional bracket

## BE006S00

See bracket at page 199

## Mini 3 oil pressure, air/fuel ratio and ambient air temperature meters

The Mini 3 series has been developed with the best components and latest technology. Compact, lightweight and easy to connect, the Mini 3 meters are a must have.



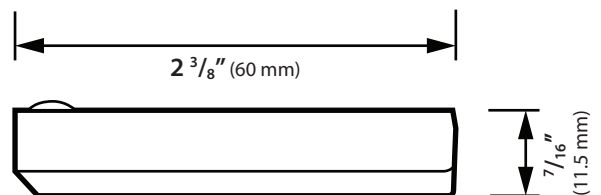
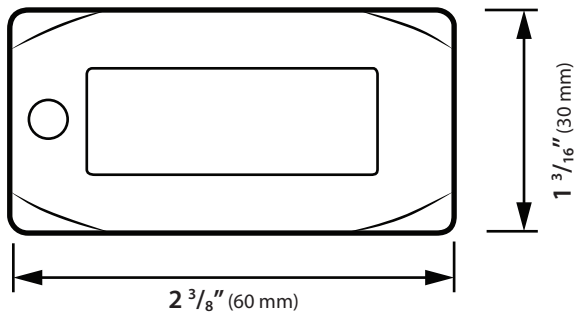
(R = Range U= Unit)

### Specifications

■ Effective temperature range  
14 ~ 140 °F (-10 ~ 60 °C)

■ Power DC 12V

■ Actual size



## Oil pressure meter

The Mini 3 oil pressure meter is a must for all applications. Its reading can help you avoid major mechanical problems. If the pressure goes down, that can indicate a leak in the system or a malfunction of the engine. Also, if you ride your bike at a high RPM range, the pressure meter can help you understand if the oil lubricates the engine properly.

### Specifications

- Oil pressure meter  
R: 0 ~ 100 PSI (0 ~ 7 kgf/cm<sup>2</sup>)  
U: 0.1 PSI (kgf/cm<sup>2</sup>)
- Oil pressure warning  
Flashing light when  
≤ setting value



## AMP & volt meter

This Mini 3 AMP & volt meter will give you the vehicle voltage and amps used. This meter can be very helpful especially when there is many electrical accessories connected to the vehicle.

### Specifications

- AMP meter  
R: 0 ~ 30 A | U: 0.1 A
- Volt meter  
R: DC 6 ~ 19.9 V | U: DC 0.1 V
- Low voltage warning  
R: DC 8 ~ 13 V | U: DC 0.1 V
- Voltage warning  
Flashing light when < 11.5 V  
or > 15.5 V



## Ambient air temp.

The Mini 3 ambient air temperature is the perfect addition for any application. Very simple to install and affordable, this is the perfect tool to monitor the outside temperature.

### Specifications

- Thermometer  
R: -22 ~ 248 °F (-30 ~ 120 °C)  
U: 0.1 °F or °C (alternative)



## Dual temperature meter

This compact and lightweight Mini 3 dual temperature meter features two temperatures output. This meter can give you precious information such as coolant and oil temperature. temperature and help you dress properly.

### Specifications

- Thermometer A/B  
R: 32 ~ 248 °F (0 ~ 120 °C)  
U: 0.1 °F or °C (alternative)
- Temperature warning  
Flashing light when >  
248 °F (120 °C)
- Sensor type  
Temperature sensor:  
BF030125 1/8(BSP) x 28



## Clock & volt meter

This compact and lightweight Mini 3 clock & volt meter features a clock and also the vehicle voltage. This meter can be very helpful especially when there is many electrical accessories connected to the vehicle

### Specifications

- Clock R: 24 H format
- Volt meter  
R: DC 6 ~ 19.9 V | U: DC 0.1 V
- Low voltage warning  
R: DC 8 ~ 13 V | U: DC 0.1 V
- Voltage warning  
Flashing light when < 11.5 V  
or > 15.5 V



# Proton

part

**BA074200**  
thermometer

**BA074000**  
RPM & hour meter

**BA074300**  
volt meter

## Meters

Designed to function on virtually any motorsport vehicle as it operates with a CR2032 replaceable battery. This lightweight compact gauge features a large LCD display for easy reading and a removable face plate with all necessary hardware providing a simple and clean install.

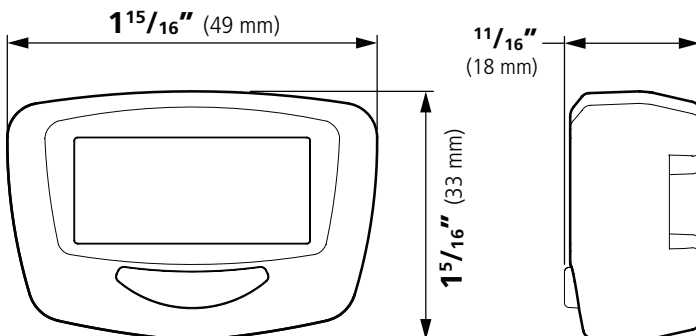


(R = Range U= Unit)

## Specifications

■ Effective temperature range  
14 ~ 140 °F (-10 ~ 60 °C)

■ Power DC 12V



## Thermometer

The Proton water temperature meter will provide you with a precise reading of your engines coolant temperature. Supplied with a 1/8 BSP sensor, this meter will provide you with accurate temperature readings and help avoid overheating.

### Specifications

- **Thermometer**  
R: 32 ~ 248 °F (0 ~ 120 °C)  
U: 1 °F or °C (alternative)
- **Temperature warning**  
Flashing light when > 248 °F (120 °C)
- **Sensor type**  
Temp. sensor: BF030125 1/8 (BSP) x 28



## RPM & hour meter

The Proton RPM & hour meter will allow you to visualise the revolutions of your motor while the hour meter will keep track of the amount of time your engine has ran.

### Specifications

- **Digital tachometer**  
R: 0 ~ 20, 000 RPM | U: 100 RPM
- **Max RPM Record**  
R: 0 ~ 20, 000 RPM
- **RPM input pulse**  
R: 0.5/1/1.5/2
- **Total engine hour meter**  
R: 0 ~ 999.9 / 1,000 ~ 99,999 H
- **Hour meter A/B**  
R: 0 ~ 999.9 H | U: 0.1 H



## Volt meter

### Specifications

- **Volt meter**  
R: DC 1 ~ 70 V | U: DC 0.1 V
- **Max volt Record**  
DC 1 ~ 70 V



## Proton thermometer with temperature adapter

**BA074200-14**  
14 mm adapter

**BA074200-18**  
18 mm adapter

**BA074200-26**  
26 mm adapter

**BA074200-16**  
16 mm adapter

**BA074200-22**  
22 mm adapter



# Super slim style

part

## BA024B10

thermometer/°C version / blue

## BA024R11

thermometer/°C version / red

## BA024B11

thermometer/°F version / blue

## BA024R10

thermometer/°F version / red

## BA024B00

volt meter / blue

## BA024R00

volt meter / red

## BA024B50

clock & volt meter

## Digital super slim style thermometer, volt & clock meters

Our Super Slim Style series is one of our best sellers because its small and compact size makes it very easy to install at almost any location on the bike. The blue or red illuminated digits make the meter very attractive and easy to read at night. Different models are available, temperature meter, volt meter and clock/volt meter and they are all equipped with a warning function to help you monitor the information.

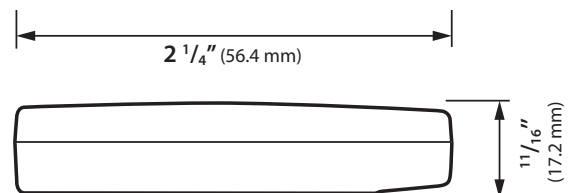
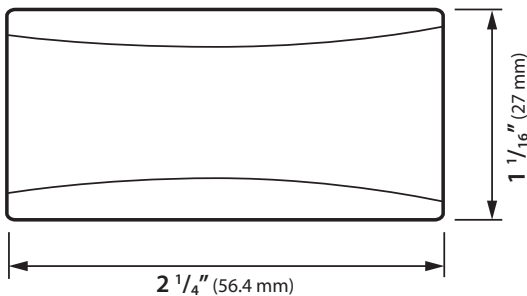


(R = Range U= Unit)

### Specifications

■ Effective temperature range  
14 ~ 140 °F (-10 ~ 60 °C)

■ Power DC 12V



## Thermometer

### Specifications

- Thermometer  
R: 32 ~ 248 °F (0 ~ 120 °C)  
U: 1 °F or °C (alternative)
- Temperature warning  
Flashing light when > 248 °F (120 °C)
- Sensor type  
Temp. sensor: BF030125 1/8 (BSP) x 28



## Volt meter

### Specifications

- Volt meter  
R: DC 8 ~ 18 V | U: DC 0.1 V
- Voltage warning  
Flashing light when < 11.5 V



## Clock & volt meter

### Specifications

- Clock R: 24 H format
- Volt meter  
R: DC 6 ~ 19.9 V | U: DC 0.1 V
- Volt warning setting  
R: DC 8 ~ 18 V | U: DC 0.1 V  
Default values:  
High DC 14 V | Low: DC 11 V



# I-Gear

part

## BA067B10

thermometer/°C version / blue

## BA067R10

thermometer/°C version / red

## BA067R12

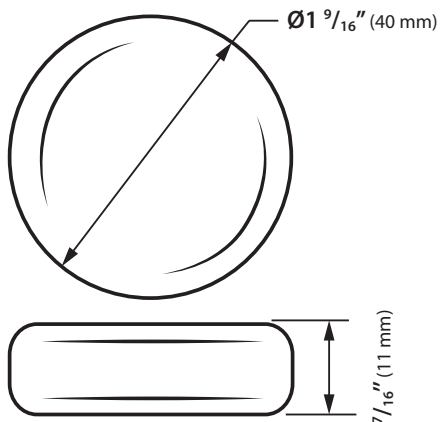
thermometer/°F version / red

## BA067R00

volt meter / red

## Round style thermometer, volt & clock meters

The small and compact size of the I-Gear meters make it very easy to install at almost any location on the bike. The blue or red illuminated digits make these meters very attractive and easy to read at night. Different models are available : temperature meters, and volt meter. They are equipped with a warning function to help you monitor the information.



## Thermometer

### Specifications

- Thermometer  
R: 32 ~ 248 °F (0 ~ 120 °C)  
U: 1 °F or °C (alternative)
- Temperature warning  
Flashing light when > 248 °F (120 °C)
- Effective temperature range  
14 ~ 140 °F (-10 ~ 60 °C)
- Power DC 12 V
- Sensor type  
Temp. sensor: BF030125 1/8 (BSP) x 28



## Volt meter

### Specifications

- Volt meter  
R: DC 8 ~ 18 V | U: DC 0.1 V
- Voltage warning  
Flashing light when < 11.5 V
- Effective temperature range  
14 ~ 140 °F (-10 ~ 60 °C)



# RX-2N

part

**BA015B15**

10,000 RPM

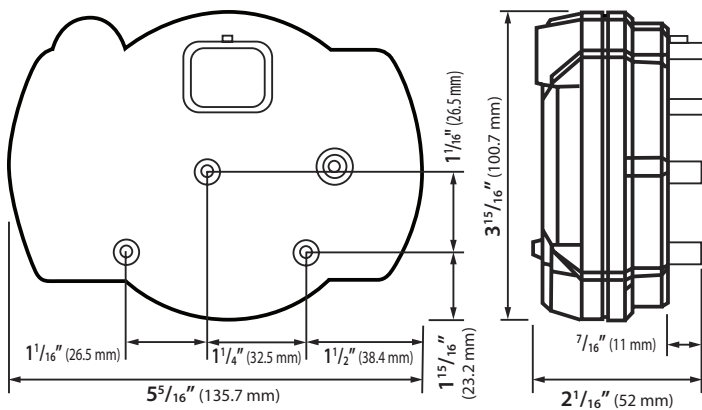
**BA015B25**

20,000 RPM

## GP style multifunction gauge

The RX-2N features an illuminated needle with LED pointer making it very easy to read even at night. This instrument features many different functions such as speed, odometer, tripmeter, RPM, shift light, temperature, indicator lights and many other great functions.

The 10,000 RPM and 20,000 RPM version give you the opportunity to better choose the right RPM scale for your bike.



## Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Odometer**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 999.9 miles (km) | U: 0.1 mile (km)
- **Speeding warning light**  
R: 20 ~ 225 MPH (30 ~ 360 km/h)  
U: 5 MPH (km/h)
- **Top speed record**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)
- **Tire circumference**  
R: 300 ~ 2,500 mm | U: 1 mm  
Sensitive point: 1 ~ 60
- **Tachometer**  
R: 0~10,000 or 20,000 RPM  
U 250 or 500 RPM
- **RPM shift-light**  
R: 1,000 ~ 10,000 or 20,000 RPM  
U: 100 RPM
- **Pre-shift-light**  
R: -500 ~ - 3,000 RPM before shift light  
U: 100 RPM
- **RPM input pulse**  
R: 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6
- **Stroke / piston setting**  
2 stroke: 1, 2, 3, 4 pistons  
4 stroke: 1, 2, 3, 4, 5, 6, 8, 10, 12 pistons
- **Digital temperature (Water & Oil)**  
R: 32 ~ 482 °F (0 ~ 250 °C)  
U: 0.1 °F or °C (alternative)
- **Temperature level meter (Water & Oil)**  
R: 68 ~ 248 °F (20 ~ 120 °C)  
R: 10 levels | U: 1 level = 50 °F or 10 °C (alternative)
- **Over Temperature warning (Water & Oil)**  
R: 140 ~ 482°F (60 ~ 250°C) | U: 1°F (°C)
- **Top temperature record**  
R: 32 ~ 482 °F (0 ~ 250 °C)
- **Fuel meter**  
R: 10 levels | U: 1 level = 10 %
- **Fuel resistance**  
R: 100 Ω / 510 Ω / fuel switch / no display
- **Low fuel warning**  
R: 10 ~ 50% | U: 10%
- **Clock** R: 24 H format
- **Perpetual calendar**  
R: 2,000~ 2,099 A.D.
- **Target speed timer**  
D: 20 ~ 225 MPH (30 ~ 360 km/h)  
R: 5 MPH (km/h)
- **Target distance timer**  
D: 1/32 ~ 20/32 mile (50 ~ 1,000 m)  
U: 1/32 mile (50 m)
- **Top speed timer**  
Speed : 0 ~ 225 MPH (0 ~ 360 km/h)  
Distance : 0 ~ 3,280 feet (0 ~ 999 m)  
RPM : 0 ~ 10,000 or 20,000 RPM  
Timer : 0 ~ 9'59"99
- **Indicator lights**  
Neutral / High beam / Turn signals / Check engine / Oil level / Temperature / Speeding / RPM shift light
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage**  
DC 12 V
- **Sensor included**  
Passive speed sensor : BF640J06  
Temperature sensor: BF030000



**CHANGEABLE COLORS**



# RX-2NR

part  
**BA015000**

## GP style tachometer

The RX-2NR GP Style tachometer is the perfect race meter! The 80 mm needle driven by a stepper motor is easy to read at high speed. It will give you all the necessary information needed to monitor your engine.

Get the RX-2NR GP Style tachometer and enjoy your race even at night with its illuminated background.

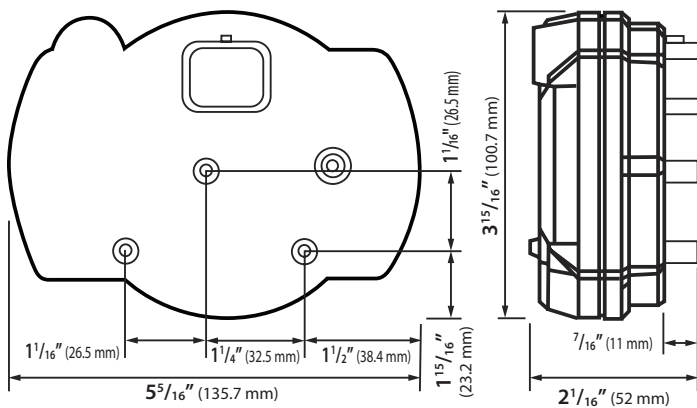


(R = Range U= Unit)



### Specifications

- **Tachometer**  
R: 0~16,000 RPM | U: 100 RPM
- **Shift-light**  
R: 5,000 ~ 16,000 RPM | U: 100 RPM
- **Pre-shift-light**  
R: -500 ~ - 3,000 RPM before shift light  
U: 100 RPM
- **Stroke / piston setting**  
2 stroke: 1, 2, 3, 4 pistons  
4 stroke: 1, 2, 3, 4, 5, 6, 8, 10, 12 pistons
- **Thermometer**  
R: 32 ~ 302 °F (0 ~ 150 °C) | U: 0.1°F or °C (alternative)
- **Temperature warning**  
R: 140 ~ 302°F (60 ~ 150°C) | U: 1°F (°C)
- **Indicator lights**  
Temperature
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Battery type**  
9V-1604 / 6LR61 / DC 12 V
- **Sensor included**  
Active speed sensor : BF0300000 1/8 (BSP) x 28



## Volt meter

This LED volt meter is built in a nice and compact CNC aluminum casing. The green, yellow and red LED will help you to know the strength of your battery at any time.

part

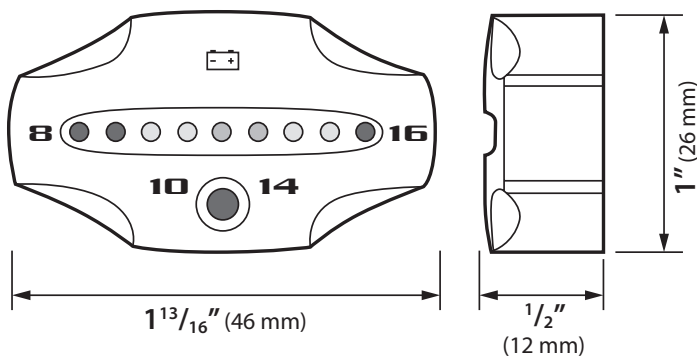
**BH000K00**



(R = Range U= Unit)

### Specifications

- Voltage indicator**  
 R: DC 8 ~ 16 V U: DC 1 V
- Effective voltage**  
 DC 12 V
- Safety voltage** R: LED zone of the DC 12 ~ 13 V is showing on green



# TNT-05 D80

part

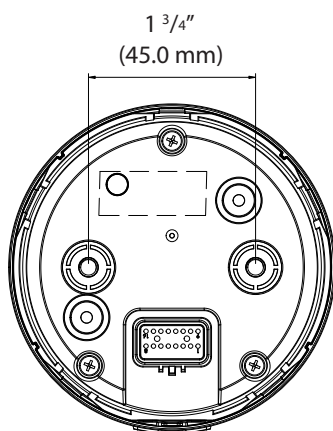
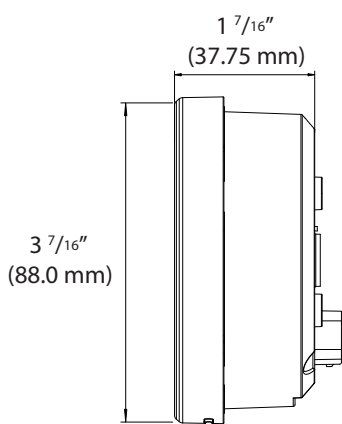
**BA087000**

**BA087000-HD**

for Harley-Davidson®

## Multifunction gauge

Koso decided to release a bigger version of the TNT-05 that combines a tachometer and speed option. Its 8 changeable LCD backlight colors and indicator lights will give you all the data you need with style even in the darkest conditions. The new TNT-05 D80 also provide basic functions such as tripmeter, hour meter, fuel, voltage, clock, gear indicator and more.



*\*Universal kit version*

## Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h
- **Overspeeding warning**  
R: 19 ~ 225 MPH (30 ~ 360 km/h)  
U: 1 MPH or km/h  
Warning lights on  $\geq$  value
- **Maximum speed record**  
R: 0 ~ 360 miles (km)
- **Odometer**  
R: 0 ~ 99,999 miles (km) U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 9999.9 miles (km) U: 0.1 mile (km)
- **Fuel level**  
R: 6 level display  
Fuel lights will flash if fuel level below 1 level
- **Fuel resistance**  
R: 100  $\Omega$  / 250  $\Omega$  / 270  $\Omega$  / 390  $\Omega$  / 510  $\Omega$  / 1,200  $\Omega$  / Sw / Custom(learning mode) / OFF
- **Tire circumference**  
R: 300 ~ 2,500 mm | U: 1 mm  
Sensitive point: 1 ~ 20
- **Gear indicator**  
R: 1 ~ 9
- **Tachometer**  
R: 0 ~ 9,000 RPM | U: 1000 RPM / 500 RPM
- **Shift light warning**  
R: 1,000 ~ 8,000 RPM | U: 100 RPM  
Warning light on  $\geq$  value
- **Thermometer** U:  $^{\circ}$ F or  $^{\circ}$ C (alternative)
- **Overheat warning**  
R: 140 ~ 437 $^{\circ}$ F (60 ~ 225 $^{\circ}$ C)
- **Maximum temperature record**  
R: -140 ~ 482  $^{\circ}$ F (60 ~ 250  $^{\circ}$ C)  
U: 1  $^{\circ}$ F or  $^{\circ}$ C (alternative)
- **Warning cause**  
Speeding warning light, RPM shift light, Overheat warning light, Low voltage warning, Fuel warning, Oil maintenance, Highest gear
- **Clock** R: 12 H or 24 H format
- **Under voltage warning**  
R: DC 8 ~ 18 V | DC 0.1V
- **Backlight brightness**  
R: 1/3 (darkest) ~ 3/3 (brightest)
- **Backlight colors**  
White / Yellow / Orange / Red / Purple / Blue / Light blue / Green
- **Indicator lights**  
RPM shift light / Check engine / Oil level / High beam / Turn signals / Water temperature light / Warning light / Neutral
- **Effective temperature range**  
32 ~ 482  $^{\circ}$ F (0 ~ 250  $^{\circ}$ C)

## 8 CHANGEABLE COLORS



# TNT-05S D60

part

**BA085001**

**BA085001-HD**

for Harley-Davidson®



**\*Universal kit version**

## Speedometer

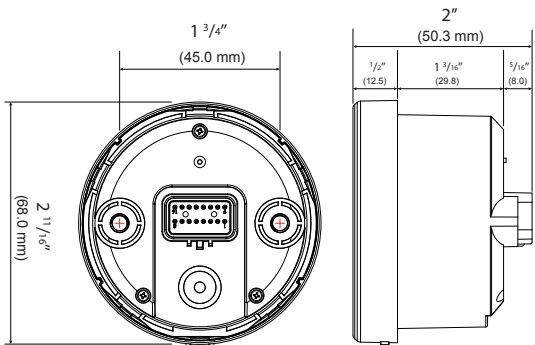
Providing basic functions such as speed, odometer, tripmeter, hour meter, fuel, voltage, clock and stopwatch, the TNT-05S speedometer is equipped with 8 changeable LCD display colors that also includes all the necessary indicator lights to give you all the data you need. The illuminated backlight makes the instrument very easy to read even in the darkest conditions.



(R = Range U= Unit)

## Specifications

- Speedometer**  
 R: 0 ~ 160 km/h (MPH)  
 U: 20 km/h (MPH) (Large grid), 10km/h (MPH) (Small grid)
- Overspeeding warning**  
 R: 19 ~ 100 MPH (30 ~ 160 km/h)  
 U: MPH or km/h, can return to zero manually
- Odometer**  
 R: 0 ~ 99,999 miles (km) U: 1 mile (km)
- Tripmeter A/B**  
 R: 0 ~ 9,999.9 miles (km), can return to zero manually U: 0.1 mile (km)
- Tire circumference**  
 R: 300 ~ 2,500 mm | U: 1 mm  
 Sensitive point: 1 ~ 20 P
- Thermometer**  
 R: 32 ~ 482 °F (0 ~ 250 °C)  
 U: 0.1 °F or °C (alternative)
- Over temperature warning**  
 R: 140 ~ 482°F (60 ~ 250°C)  
 U: 1°F (°C). Warning lights on ≥ value
- Fuel meter**  
 R: 10 levels (100%) | U: 1 level (10%)
- Effective voltage**  
 DC 12 V
- Fuel resistance**  
 R: 100 Ω / 250 Ω / 270 Ω / 390 Ω / 510 Ω / 1,200 Ω / Sw / Custom (learning mode) / OFF
- Low fuel warning**  
 R: 10~30% | U: 10%  
 Warning lights on ≤ value
- Clock**  
 R: 12 H or 24 H format
- Volt meter**  
 R: DC 8 ~ 18 V | Warning lights on ≤ value.
- Backlight brightness**  
 R: 1/3 (darkest) ~ 3/3 (brightest)
- Backlight colors**  
 White / light Blue / Blue / Purple / Red / Orange / Yellow / Green
- Indicator lights**  
 Composite warning light / Speeding warning light / Neutral / High beam / Turn signals / Check engine / Motor oil light
- Effective temperature range**  
 14 ~ 140 °F (-10 ~ 60 °C)



# TNT-05R D60

part

**BA085101**

## Tachometer

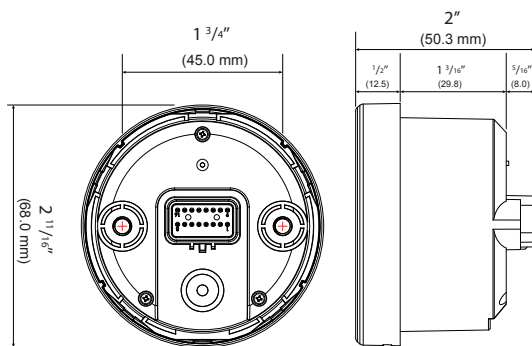
Customize your bike with The TNT-05R. This tachometer will give a modern look to any motorcycles with its changeable LCD display backlight colors and make it easy to read either it is day or night. Its warning function for temperature and voltage will protect your engine from being damaged.



(R = Range U= Unit)

## Specifications

- Tachometer**  
 R: 0 ~ 12,000 RP  
 U: 1,000 RPM (Large grid), 500 RPM (Small grid)
- Pre-Shift Light warning**  
 R: 1,000 ~ 11,000 RPM, when setting value is reached or above, warning light will illuminate. | U: 100 RPM
- RPM input pulse**  
 R: HI-ACT (positive wave pulse)  
 LO-ACT (negative wave pulse)
- Max. rotating speed**  
 R: 0~12,000 RPM  
 U: 1,000 RPM (Large grid), 500 RPM (Small grid)
- RPM Shift-light**  
 R: +100 ~ 12,000 RPM | U: 100 RPM  
 Warning lights on > value
- RPM input signal number setting**  
 R: P-0.5, 1 ~ 6
- Thermometer**  
 R: 32 ~ 482 °F (0 ~ 250 °C)  
 U: 0.1 °F or °C (alternative)
- Over temperature warning**  
 R: 140 ~ 482°F (60 ~ 250°C) | U: 1°F (°C)  
 Warning lights on ≥ value
- Max. temperature record**  
 R: 0.0~250.0 °C (32.0~482.0 °F), can return to zero manually | U: 0.1 °C (°F)
- Volt meter**  
 R: DC 8 ~ 18 V | U: DC 0.1 V
- Low voltage warning**  
 R: DC 8.0~13.0 V | Flashing Warning light ≤ value.
- Backlight brightness**  
 R: 1/3 (darkest) ~ 3/3 (brightest)
- Backlight colors**  
 White / light Blue / Blue / Purple / Red / Orange / Yellow / Green
- Indicator lights**  
 Over-running light (red)
- Effective temperature range**  
 14 ~ 140 °F (-10 ~ 60 °C)
- Effective voltage**  
 DC 12 V



**8**  
CHANGEABLE COLORS



# TNT-05S D48

part

**BA086001**

**BA086001-HD**

for Harley-Davidson®

## Speedometer

This smaller version of the TNT-05 speedometer can fit various locations and models while providing basic functions such as speed, odometer, tripmeter, fuel and voltage. Its compact LCD display is very easy to read even in the darkest conditions. It is equipped with all the necessary indicator lights and features 7 changeable display colors to fit your style.



(R = Range U= Unit)

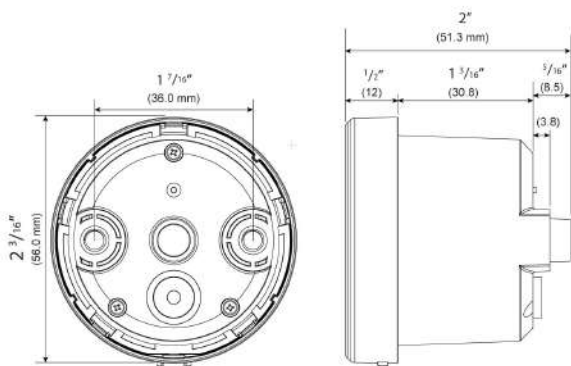


## Specifications

- Speedometer**  
 R: 0 ~ 160 km/h (MPH)  
 U: 20 km/h (MPH) (Large grid),  
 10km/h (MPH) (Small grid)
- Overspeeding warning**  
 R: 19 ~ 100 MPH (30 ~ 160 km/h)  
 U: MPH or km/h, can return to zero manually
- Odometer**  
 R: 0 ~ 99,999 miles (km) U: 1 mile (km)
- Tripmeter A/B**  
 R: 0 ~ 9,999.9 miles (km), can return to zero manually U: 0.1 mile (km)
- Tire circumference**  
 R: 300 ~ 2,500 mm | U: 1 mm  
 Sensitive point: 1 ~ 20 P
- Thermometer**  
 R: 32 ~ 482 °F (0 ~ 250 °C)  
 U: 0.1 °F or °C (alternative)
- Fuel meter**  
 R: 10 levels (100%) | U: 1 level (10%)
- Effective voltage**  
 DC 12 V
- Fuel resistance**  
 R: 100 Ω / 250 Ω / 270 Ω / 390 Ω / 510 Ω / 1,200 Ω / Sw / Custom (learning mode) / OFF
- Low fuel warning**  
 R: 10~30% | U: 10%  
 Warning lights on ≤ value
- Volt meter**  
 R: DC 8 ~ 13 V | Warning lights on ≤ value.
- Backlight colors**  
 White / light Blue / Blue / Purple / Red / Yellow / Green
- Indicator lights**  
 Over-running light (red)
- Effective temperature range**  
 14 ~ 140 °F (-10 ~ 60 °C)



**\*Universal kit version**



  
**CHANGEABLE COLORS**  




# TNT-05R D48

part

**BA086101**

## Tachometer

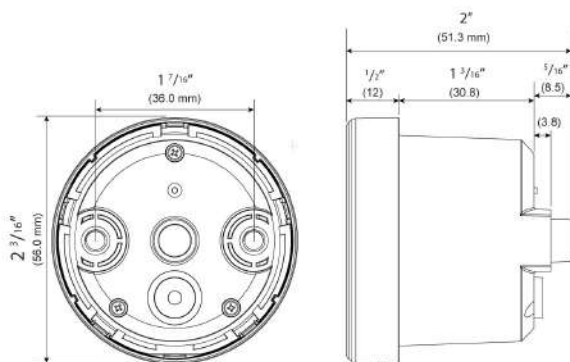
Whether it is day or night, this small-scaled TNT-05 tachometer will prevent your engine from being damaged with its warning function for temperature and voltage. You can also give different looks to your motorcycle with its 7 changeable LCD display backlight colors.



(R = Range U= Unit)

## Specifications

- Tachometer**  
 R: 0 ~ 12,000 RPM  
 U: 1,000 RPM (Large grid), 500 RPM (Small grid)
- Pre-Shift Light warning**  
 R: 1,000 ~ 11,000 RPM, when setting value is reached or above, warning light will illuminate. | U: 100 RPM
- RPM input pulse**  
 R: HI-ACT (positive wave pulse)  
 LO-ACT (negative wave pulse)
- Max. rotating speed**  
 R: 0~12,000 RPM  
 U: 1,000 RPM (Large grid), 500 RPM (Small grid)
- RPM Shift-light**  
 R: +100 ~ 12,000 RPM | U: 100 RPM  
 Warning lights on > value
- RPM input signal number setting**  
 R: P-0.5, 1 ~ 6
- Thermometer**  
 R: 32 ~ 482 °F (0 ~ 250 °C)  
 U: 0.1 °F or °C (alternative)
- Over temperature warning**  
 R: 140 ~ 482°F (60 ~ 250°C) | U: 1°F (°C)  
 Warning lights on ≥ value
- Max. temperature record**  
 R: 0.0~250.0 °C (32.0~482.0 °F), can return to zero manually  
 U: 0.1 °C (°F)
- Volt meter**  
 R: DC 8 ~ 18 V | U: DC 0.1 V
- Low voltage warning**  
 R: DC 8.0~13.0 V | Flashing Warning light ≤ value.
- Backlight colors**  
 White / light Blue / Blue / Purple / Red / Yellow / Green
- Indicator lights**  
 Over-running light (red)
- Effective temperature range**  
 14 ~ 140 °F (-10 ~ 60 °C)
- Effective voltage**  
 DC 12 V



**7**  
CHANGEABLE COLORS



# TNT-B

part

## BA051300

silver bezel

## BA051310

black bezel

■ Optional bracket

## B0051000

For Yamaha Bolt® & SCR 950  
(page 203)



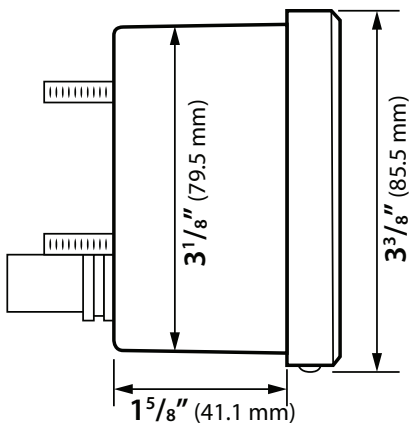
## Multifunction gauge- for Yamaha Bolt®

Yamaha Bolt® riders can now customize their motorcycle with our high-quality plug & play TNT-B meter. It is equipped with a 8-color changeable LCD display and also uses a strong stepper motor that provides a precise and fast RPM reading so that you can get in-time information. Some of the great functions this meter has to offer are: speed, RPM, indicator lights and gear position indicator.

Available in silver or black bezel, this is a great addition to your Yamaha Bolt®.



Optional relocation bracket  
(see at page 203)



(R = Range U= Unit)

## Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h
- **Overspeeding warning**  
R: 19 ~ 225 MPH (30 ~ 360 km/h)  
U: 1 MPH or km/h  
Warning lights on  $\geq$  value
- **Maximum speed record**  
R: 0 ~ 360 miles (km)
- **Odometer**  
R: 0 ~ 99,999 miles (km) U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 999.9 miles (km) U: 0.1 mile (km)
- **Motor oil maintenance**  
R: Close / 300 ~ 10,000 miles (500 ~ 16,000 km) U : 100 miles (km)
- **Fuel reserve tripmeter**  
R: 0 ~ 9,999.9 miles (km) U: 0.1 mile (km)
- **Tire percentage**  
R: 50 ~ 200 % | U: 1 %
- **Gear indicator**  
R: Off, N, 1, 2, 3, 4, 5
- **Maximum gear level record**  
R: Off, N, 1, 2, 3, 4, 5  
Record gear level at maximum RPM
- **Tachometer**  
R: 0 ~ 8,000 RPM | U: 100 RPM
- **Shift light warning**  
R: 1,000 ~ 8,000 RPM | U: 100 RPM  
Warning light on  $\geq$  value
- **Thermometer** U: °F or °C (alternative)
- **Engine temperature meter**  
R: -22 ~ 437 °F (-30 ~ 225 °C)  
U: 1 °F or °C (alternative)
- **Overheat warning**  
R: 140 ~ 437°F (60 ~ 225°C)
- **Maximum temperature record**  
R: -22 ~ 437 °F (-30 ~ 225 °C)  
U: 1 °F or °C (alternative)
- **Round indicator light**  
R: -22 ~ 437 °F (-30 ~ 225 °C)
- **Warning cause**  
Speeding warning light, RPM shift light, Overheat warning light, Low voltage warning, Fuel warning, Oil maintenance, Highest gear
- **Warning method**  
Lit(L), Slow flash (S), Flash (F)
- **Low fuel indicator**  
R: ON / OFF / Flash
- **Clock** R: 12 H or 24 H format
- **Under voltage warning**  
R: DC 8 ~ 18 V | DC 0.1 V
- **Backlight brightness**  
R: 1/5 (darkest) ~ 5/5 (brightest)
- **Backlight colors**  
White / Light Blue / Blue / Purple / Red / Orange / Yellow / Green
- **Indicator lights**  
RPM shift light / Check engine / Oil level / High beam / Turn signals/ ABS / Anti-theft
- **ABS indicator**  
R: Close (OFF) / Open (ON)
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage**  
DC 12 V



**CHANGEABLE COLORS**



# TNT-04

part

**BA051401**

silver bezel

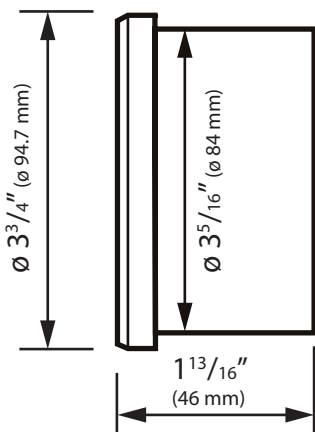
**BA051411**

black bezel

## Multifunction gauge

Our TNT-04 multifunction meter is perfect for all special projects. It is equipped with a 8-color changeable LCD display and also uses a strong stepper motor that provides a precise and fast RPM reading so that you can get in-time information. Some of the great functions this meter has to offer are : speed, RPM, indicator lights, fuel level, and gear position indicator.

Available in silver or black bezel, this is a great addition to customize your ride.



## Specifications

- **Tachometer**  
R & U: 0 ~ 10,000 RPM
- **RPM signal**  
R: P-0.5, P1 ~ P24
- **RPM input pulse**  
R: HI-ACT (positive wave pulse)  
LO-ACT (negative wave pulse)
- **Over RPM warning**  
R: 1,000 ~ 10,000 RPM | U: 100 RPM  
Warning sign given once  $\geq$  value
- **RPM Shift-light**  
R: 2,000 ~ 10,000 RPM | U: 100 RPM  
Warning lights on  $>$  value
- **Maximum RPM mode**  
R: Light on (F-OFF), Flash (F-ON)
- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: MPH or km/h
- **Overspeeding warning**  
R: 19 ~ 225 MPH (30 ~ 360 km/h)  
U: MPH or km/h Warning lights on  $\geq$  value
- **Odometer**  
R: 0 ~ 99,999 miles (km) U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 999.9 miles (km) U: 0.1 mile (km)
- **Tire circumference**  
R: 300 ~ 2,500 mm | U: 1 mm  
Sensitive point: 1 ~ 20
- **Thermometer**  
R: 32 ~ 482 °F (0 ~ 250 °C)  
U: 0.1 °F or °C (alternative)
- **Over temperature warning**  
R: 140 ~ 482°F (60 ~ 250°C)  
U: 1°F (°C)
- **Fuel meter**  
R: 6 levels | U: 1 level = 16.6 %
- **Fuel resistance**  
R: 100  $\Omega$  / 250  $\Omega$  / 270  $\Omega$  / 510  $\Omega$  / 1,200  $\Omega$  / Fuel switch / USER
- **Clock**  
R: 12 H or 24 H format
- **Volt meter**  
R: DC 8 ~ 18 V | Flashing Warning  
light  $\leq$  value.
- **Backlight brightness**  
R: 1/5 (darkest) ~ 5/5 (brightest)
- **Backlight colors**  
White / light Blue / Blue / Purple / Red / Orange / Yellow / Green
- **Indicator lights**  
Warning 1 / Warning 2 / Neutral / High beam / Turn signals /  
Check engine / RPM shift light
- **Gear indicator**  
Off, Highest gear, N & Highest gear, Show all, N, 1, 2, 3, 4, 5, 6
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage**  
DC 12 V



**CHANGEABLE COLORS**



# TNT-01R

part

## BA035130

10,000 | black / black face

## BA035120

10,000 | chrome / white face

## BA035140

15,000 | chrome / white face

## Tachometer

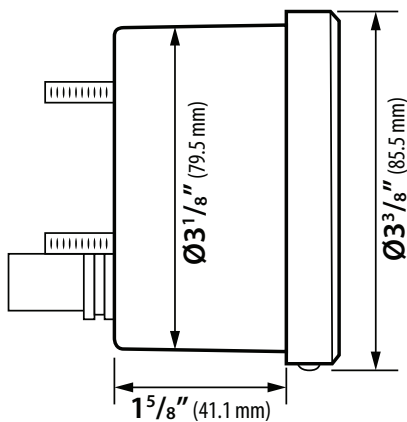
Built with the best components and strongest stepper motor on the market, this TNT-01R tachometer is the perfect addition for all motorcycles. Its large dial face and backlight make it easy to read all day long. Available in black dial face with black casing and white dial face with chrome casing.



(R = Range U = Unit)

### Specifications

- Effective temperature range  
14 ~ 140 °F (-10 ~ 60 °C)
- Tachometer  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: MPH or km/h
- RPM input signal number  
R: 0.5, 1 ~ 6
- RPM input pulse  
R: HI-ACT (positive wave pulse)  
LO-ACT (negative wave pulse)
- Backlight brightness  
R: 1/5 (darkest) ~ 5/5 (brightest)
- Effective temperature range  
14 ~ 140 °F (-10 ~ 60 °C)
- Effective voltage  
DC 12 V
- Power DC 12V



### TNT Bracket

optional, not included



## 10,000 RPM with shift light



### Specifications

- Tachometer  
R: 0 ~ 10,000 RPM  
Internal display : < 0.5 second
- Shift light  
Light on / Flash



## 15,000 RPM with shift light



### Specifications

- Tachometer  
R: 0 ~ 10,000 RPM  
Internal display : < 0.5 second
- Shift light  
Range: 0 ~ 15,000 RPM  
Unit: 500 RPM
- Warning  
Light on / Flash



# TNT-01

part

## BA035K00

black casing / black face

## BA035K00-HD

black casing / black face  
for Harley-Davidson®

## Multifunction gauge

Our TNT-01 multifunction meter is perfect for all the Café racers and special projects. The TNT-01 meter uses a stepper motor for a fast and smooth response. The instrument features many functions such as, speed, odometer, tripmeter, RPM, fuel meter, clock, voltage, shift light, indicator lights and more...

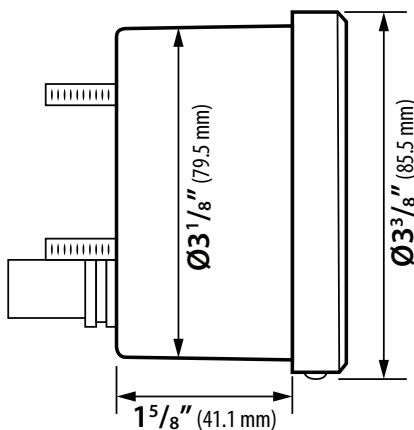
This meter is available in black or white face and includes the installation brackets and speed sensor.



(R = Range U= Unit)

## Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: MPH or km/h
- **Odometer**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 999.9 miles (km) | U: 0.1 mile (km)
- **Tire circumference**  
R: 300 ~ 2,500 mm | U: 1 mm  
Sensitive point: 1 ~ 20
- **Tachometer**  
R: 0~10,000 RPM
- **Shift-light**  
R: 8,000 ~ 10,000 RPM | U: 100 RPM
- **Warning (shift light)**  
R: Light on (F-OFF), Flash (F-ON)
- **RPM input signal number**  
R: 0.5, 1 ~ 24
- **RPM input pulse**  
R: HI-ACT (positive wave pulse)  
LO-ACT (negative wave pulse)
- **Fuel meter**  
R: 6 levels | U: 1 level = 16.6 %
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Fuel resistance**  
R: 100 Ω / 250 Ω / 510 Ω / 1,200 Ω / SW
- **Clock** R: 24 H format
- **Volt meter**  
R: DC 8 ~ 18 V | Flashing Warning light  
(< DC 11.5 V or > DC 15.5 V).
- **Backlight brightness**  
R: 1/5 (darkest) ~ 5/5 (brightest)
- **Indicator lights**  
Neutral / High beam / Turn signals /  
Check engine / Oil level / Temperature  
/ Speeding / RPM shift light
- **Effective voltage**  
DC 12 V
- **Sensor included**  
Active speed sensor : BF019005



\*Universal kit version

# DL-Style

## Tachometer

The DL style meter series is built using a reverse LCD screen that gives it a unique look as they become completely dark when turned off. Another great feature of this meter is its compatibility with the Koso chrome bullet casing.



part

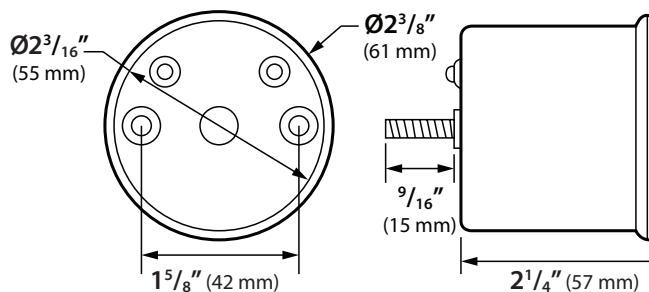
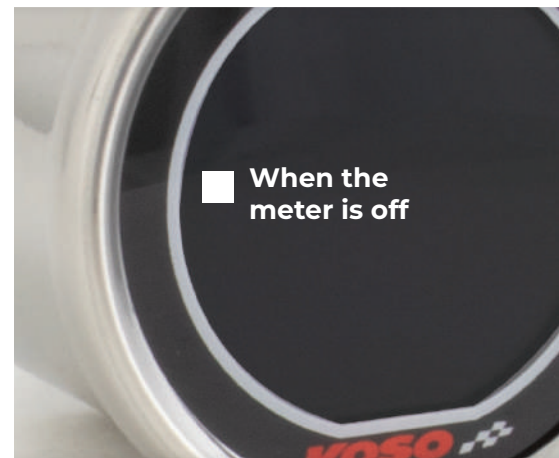
**BA552B80**  
tachometer

**BA552B80-HD**  
tachometer for  
Harley-Davidson®

(R = Range U= Unit)

### Specifications

- **Tachometer**  
R: 0 ~ 20,000 RPM | U: 100 RPM
- **Tachometer level**  
R: 0 ~ 10,000 / 15,000 / 20,000 RPM (alt)  
U: 30 levels
- **Stroke / piston setting**  
2 stroke: 1, 2, 3, 4 pistons  
4 stroke: 1, 2, 3, 4, 5, 6, 8, 10, 12 pistons
- **Temperature level**  
R: 68 ~ 248 °F (0 ~ 120°C)  
U: 1 level= 50°F (10 °C)
- **Clock**  
24 H format
- **Effective temperature**  
R: 14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage**  
DC 12 V
- **Sensor type**  
Passive speed sensor : BF019005





# DL-02R

## GP style tachometer

The DL-02R tachometer has been developed with the latest technology. Its unique casing allows the adjust buttons to be right in the front. This makes the DL-02R a very convenient instrument to adjust.

The big digits and blue backlight make the DL-02R a very easy meter to read even at night.



part

**BA555B19**

chrome casing

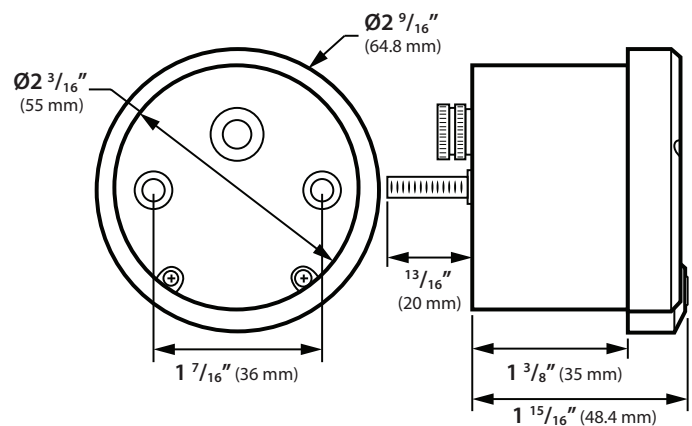
**BA555B16**

black casing

(R = Range U= Unit)

## Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Tachometer**  
R: 0 ~ 20,000 RPM | U: 100 RPM
- **Tachometer level**  
R: 0 ~ 10,000 / 15,000 / 20,000 RPM  
U: 30 levels
  - 10,000 RPM: 1 level = 333 RPM
  - 15,000 RPM: 1 level = 500 RPM
  - 20,000 RPM: 1 level = 666 RPM
- **Stroke / piston setting**  
2 stroke: 1, 2, 3, 4 pistons  
4 stroke: 1, 2, 3, 4, 5, 6, 8, 10, 12 pistons
- **Thermometer A/B**  
R: 32 ~ 482 °F (0 ~ 250°C)  
U: 0.1°F or °C (alt)
- **Clock**  
R: 24 H format
- **Effective temperature**  
R: 14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage**  
DC 12 V
- **Sensor type**  
Temp sensor : BF030000 1/8 (BSP) x 28



# GP Style

part

**BA551B23**

white face

## GP style tachometer with water temperature

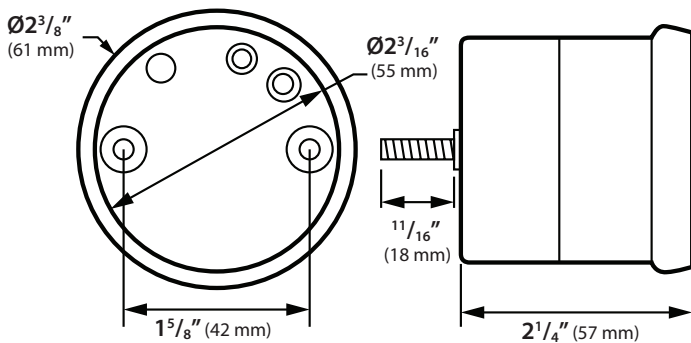
This Koso meter features 9,000 RPM analog reading that uses illuminated needle. It is also equipped with a digital temperature reading that will provide you with the most crucial information you need about your motorcycle's engine.



(R = Range U= Unit)

### Specifications

- **Tachometer**  
R: 0 ~ 9,000 RPM | U: 100 RPM
- **Temperature**  
R: 32 ~ 250 °F (0 ~ 120 °C)  
U: 0.1 °F or °C (alt)
- **Effective temperature**  
R: 14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage** DC 12 V
- **Sensor type**  
Temp sensor : BF030125





# Harley-Davidson® gauges

---

# HD-03X

new

part

## BA064930

TFT gauge set compatible with KOSO K Link app  
Fits 2014-2023 Touring & Trike models (see fitment chart)

■ Optional air pressure sensor kit for air suspension

## BZ012000

Fits HD-03 meters for Baggers (200 PSI / 1/8 NPT)

\*Scan the QR for fitment chart



## TFT meters for Harley-Davidson® (4 pieces)

This plug and play TFT gauge set for Harley-Davidson Baggers 2014 to 2023 features a smartphone integration that gives you full control of your dashboard directly from your device. Connect your gauges to your phone with the KOSO K Link app and monitor real-time data of your bike: speed, fuel level, oil temperature, gear indicator, RPM, best performance, horsepower, tire pressure and more. You can even see your vehicle's location on the app and never have to search for it again in crowded places!

Match your motorcycle's style by instantly changing between the analog and digital interface, as well as 7 different backlight colors, providing up to 14 unique display combinations. The K Link app also allows you to check your system health and maintenance with its diagnostics feature.

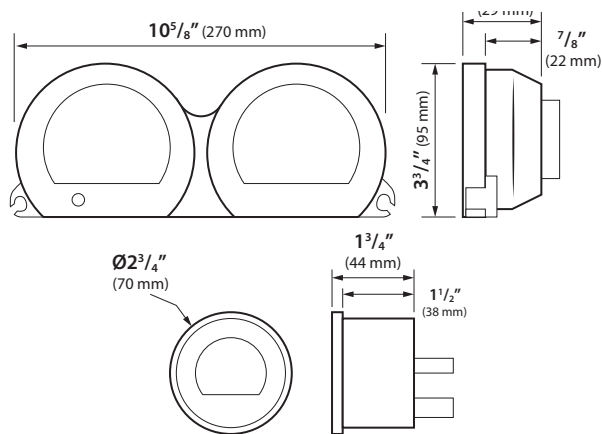
\*To access settings on CVO models, you must turn ON the run/stop switch so that the bike will not turn off. Then you can make your adjustments to the settings on the gauge.



Optional air pressure sensor kit for air suspension



**PLUG N PLAY**



## Specifications

- **Tachometer**  
R: 0 ~ 8,000 RPM | U: 10 RPM
- **RPM Shift-light**  
R: 1,000 ~ 8,000 RPM  
U: 100 RPM
- **Maximum RPM**  
R: 0 ~ 8,000 RPM | U: 100 RPM
- **Speedometer**  
R: 0 ~ 199 MPH (0 ~ 299 km/h)  
U: 1 MPH or km/h (alternative)
- **Overspeed warning**  
R: 20 ~ 199 MPH (30 ~ 299 km/h)  
Warning lights on ≥ value
- **Maximum speed record**  
R: 0 ~ 199 MPH (0 ~ 299 km/h)
- **Odometer**  
R: 0 ~ 999,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 9,999.9 miles (km) | U: 0.1 mile (km)
- **Mileage maintenance**  
R: Off / 300 ~ 10,000 miles  
(500 ~ 16,000 km) ~ -999 miles  
U: 100 miles (km)
- **Engine temperature**  
R: -40 ~ 572 °F (-40 ~ 300 °C)
- **Fuel warning setting**  
**1-HD Standard**  
Flashing LCD when > 211 Ω  
Off LCD when < 187 Ω  
**2-HD Customize**  
Flashing LCD when < 20%  
Off LCD when > 30%
- **Fuel tank volume**  
OFF / 1 ~ 9.9 US gallons
- **Average fuel consumption**  
OFF / MPG (US spec) / MPG (UK spec)  
L/100 km / km/L
- **Remaining mileage**  
R: LO RNG displayed when < 10 miles  
(16 km) | U: 1 mile (km)
- **Oil temperature meter**  
R: 32 ~ 248 °F (0 ~ 400 °C) | U: 1 °F or °C (alt)
- **Max. oil temperature record**  
R: -40 ~ 572 °F (-40 ~ 300 °C)
- **Clock**  
R: 12 H or 24 H format
- **Volt meter**  
R: DC 8 ~ 18 V
- **Digits brightness**  
R: 1/5 (darkest) ~ 5/5 (brightest)
- **Indicator lights**  
Turn signal / Temp warning / Oil pressure /  
Photometric sensing / Warning light /  
Check engine / High Beam / Fog light /  
Volt / Traction control / Cruise / ABS /  
Rain mode / Vehicle hold control /  
Fuel level / Low tire pressure / Security  
light / voltage
- **Gear indicator**  
OFF, N, P, R, 1, 2, 3, 4, 5, 6
- **Effective voltage DC 12 V**
- **Effective temperature range**  
-4 ~ 140 °F (-20 ~ 60 °C)
- **Effective voltage**  
DC 12 V
- **Backlight color (analog & digital)**  
Setting range : white, yellow, orange, red,  
purple, blue and green
- **Background display**  
Auto (automatically switch according to  
the light : Day mode display for the bright  
environment and Night mode display  
for the dark environment), Day mode,  
Night mode.
- **Mobile connection status**  
R: Steady (connected),  
OFF (not connected)
- **Units**  
Speed unit : km/h , MPH  
Temperature unit : °C and °F  
CONS unit : L/100km, km/L, MPG(US),  
MPG(UK)  
Tire pressure unit : PSI, kPa, bar
- **Horsepower**  
R: 8.8 ~ 200 HP
- **G-Force**  
R: 0 ~ 2 G | U: 0.1 G
- **Tire pressure**  
R: ---, Hi, 0~73 psi, 0~506 kPa,  
0.0 ~ 5.0 bar | U: 1 psi, 1 kPa, 0.1 bar
- **Compass**  
R: N, NE, E, SE, S, SW, W, NW
- **DTC diagnostic**  
R: six-digit error
- **Altitude**  
R: 0~10,000 m (0~32,800 ft)



Download **KOSO K Link** app for full experience.



## 16 unique display combinations (including daytime mode)



# HD-03

part

## BA064902

8 changeable LCD color display  
Fits 2014-2023 Touring models

■ Optional air pressure sensor  
kit for air suspension

## BZ012000

Fits HD-03 gauges for Baggers  
(200 PSI / 1/8 NPT)

\*Scan the QR for fitment chart



## LCD gauges for Harley-Davidson® (4 pieces)

Following the positive reviews we received from Harley enthusiasts, we decided to release the updated bagger meter kit for 2014 to 2023 touring models. This plug & play kit from Koso is now available to replace the stock gauges without any hassle! There is no need to drill holes or to rewire the gauges, they will fit directly in the OEM dash and connectors. This kit features an 8 color changeable LCD display for a custom look to fit your motorcycle. The HD-03 kit includes a multifunction speedometer, tachometer, oil temperature meter and a fuel level meter. If you're looking to enhance the look of your Harley, Koso has the plug & play solution for you!

\*To access settings on CVO models, you must turn ON the run/stop switch so that the bike will not turn off. Then you can make your adjustments to the settings on the gauge.



Optional air pressure sensor  
kit for air suspension



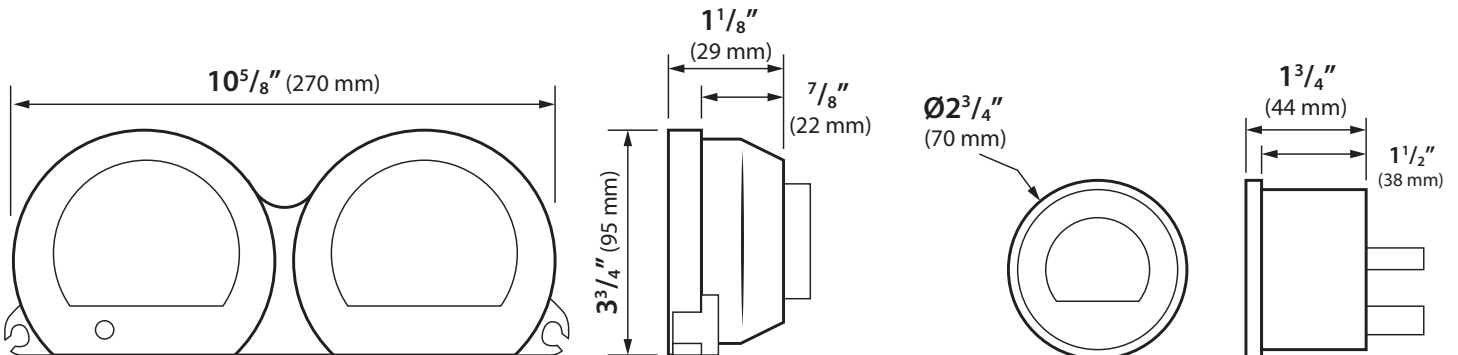
**PLUG N PLAY**

**8**  
CHANGEABLE COLORS



## Specifications

- **Tachometer**  
R: 0 ~ 9,990 RPM | U: 10 RPM
- **RPM Shift-light**  
R: 2,000 ~ 8,000 RPM  
Warning lights on > value
- **Maximum RPM**  
R: 0 ~ 9,990 RPM | U: 100 RPM
- **Speedometer**  
R: 0 ~ 199 MPH (0 ~ 299 km/h)  
U: 1 MPH or km/h (alternative)
- **Overspeed warning**  
R: 19 ~ 199 MPH (30 ~ 299 km/h)  
Warning lights on ≥ value
- **Maximum speed record**  
R: 0 ~ 199 MPH (0 ~ 299 km/h)
- **Odometer**  
R: 0 ~ 999,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 9,999.9 miles (km) | U: 0.1 mile (km)
- **Mileage maintenance**  
R: Off / 300 ~ 10,000 miles  
(500 ~ 16,000 km) ~ -999 miles  
U: 100 miles (km)
- **Engine temperature**  
R: -40 ~ 572 °F (-40 ~ 300 °C)
- **Fuel warning setting**  
**1-HD Standard**  
Flashing LCD when > 211 Ω  
Off LCD when < 187 Ω  
**2-HD Customize**  
Flashing LCD when < 20%  
Off LCD when > 30%
- **Fuel tank volume**  
OFF / 1 ~ 9.9 US gallons
- **Average fuel consumption**  
OFF / MPG (US spec) / MPG (UK spec)  
L/100 km / km/L
- **Remaining mileage**  
R: LO RNG displayed when < 10 miles  
(16 km) | U: 1 mile (km)
- **Oil temperature meter**  
R: 32 ~ 248 °F (0 ~ 400 °C) | U: 1 °F or °C (alt)
- **Max. oil temperature record**  
R: 0 ~ 400 °F (32 ~ 248 °C)
- **Clock**  
R: 12 H or 24 H format
- **Volt meter**  
R: DC 8 ~ 18 V
- **Digits brightness**  
R: 1/5 (darkest) ~ 5/5 (brightest)
- **Indicator lights**  
Turn signal / Temp warning / Oil pressure /  
Photometric sensing / Warning light /  
Check engine / High Beam / Fog light /  
Volt / Traction control / Cruise / ABS /  
Rain mode / Vehicle hold control /  
Fuel level / Low tire pressure / Security  
light
- **Gear indicator**  
OFF, N, P, R, 1, 2, 3, 4, 5, 6
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage DC 12 V**
- **Fuel meter**  
R: 0 ~ 100 %
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage**  
DC 12 V
- **Backlight color**  
Setting range : white, yellow, orange, red,  
purple, blue, light blue, green



# HD-03L

part

**BA064911**

Blue LED

**BA064921**

Red LED

\*Scan the QR for fitment chart



## LED gauges for Harley-Davidson® (4 pieces)

For the Harley enthusiasts, we decided to release the updated Baggers meter kit for touring models 2014 to 2023. This plug & play LED kit from Koso is now available to replace the stock gauges without any hassle! There is no need to drill holes or to rewire the gauges, they will fit directly in the OEM dash and connectors. This kit features a LED display (red or blue) for a custom look to fit your motorcycle. The HD-03L kit includes a multifunction speedometer, tachometer, volt meter, a fuel level meter and an air suspension meter. If you're looking to enhance the look of your Harley, Koso has the plug & play solution for you!

\*To access settings on CVO models, you must turn ON the run/stop switch so that the bike will not turn off. Then you can make your adjustments to the settings on the gauge.

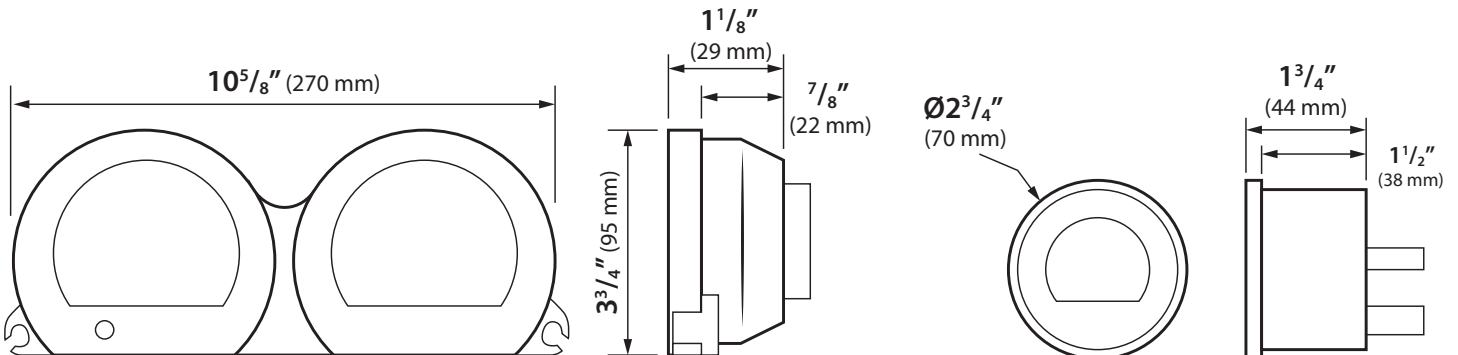


Air suspension meter



## Specifications

- **Tachometer**  
R: 0 ~ 9,999 RPM | U: 10 RPM
- **RPM Shift-light**  
R: 2,000 ~ 8,000 RPM  
Warning lights on > value
- **Maximum RPM**  
R: 0 ~ 8,000 RPM | U: 100 RPM
- **Speedometer**  
R: 0 ~ 199 MPH (0 ~ 299 km/h)  
U: 1 MPH or km/h (alternative)
- **Overspeed warning**  
R: 19 ~ 199 MPH (30 ~ 299 km/h)  
Warning lights on ≥ value
- **Maximum speed record**  
R: 0 ~ 199 MPH (0 ~ 299 km/h)
- **Odometer**  
R: 0 ~ 999,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 9,999.9 miles (km) | U: 0.1 mile (km)
- **Mileage maintenance**  
R: Off / 300 ~ 10,000 miles  
(500 ~ 16,000 km) ~ -999 miles  
U: 100 miles (km)
- **Engine temperature**  
R: HD Standard / Customize
- **Fuel meter**  
R: 6 levels | U: 1 level = 16.6 %
- **Fuel warning setting**
  - 1-HD Standard**  
Flashing LCD when > 211 Ω  
Off LCD when < 187 Ω
  - 2-HD Customize**  
Flashing LCD when < 20%  
Off LCD when > 30%
- **Fuel tank volume**  
OFF / 1 ~ 9.9 US gallons
- **Average fuel consumption**  
OFF / MPG (US spec) / MPG (UK spec)  
L/100 km / km/L
- **Remaining mileage**  
R: 0 ~ 6,249 miles (0 ~ 9,999 km)  
LO RNG displayed when < 10 miles  
(16 km) | U: 1 mile (km)
- **Oil temperature meter**  
R: 32 ~ 248 °F (0 ~ 400 °C) | U: 1 °F or °C (alt)
- **Max. oil temperature record**  
R: 32 ~ 248 °F (0 ~ 400 °C)
- **Clock**  
R: 12 H or 24 H format
- **Volt meter**  
R: DC 8 ~ 18 V
- **Air suspension**  
R: 0psi ~ 200psi
- **Digits brightness**  
R: 1/5 (darkest) ~ 5/5 (brightest)
- **Indicator lights**  
Turn signal / Water temp / Oil level /  
Photometric sensing / Warning light/  
Check engine / High Beam / Fog light /  
Volt / Traction control / Cruise / ABS /  
Rain mode / Vehicle hold control /  
Fuel level / Low tire pressure
- **Gear indicator**  
OFF, N, P, R, 1, 2, 3, 4, 5, 6
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage DC 12 V**



# HD-02

part

6 pieces kit, silver bezel, red & blue changeable LCD display

## BA050901

with ambient air temp meter

## BA050905

with oil temp meter

6 pieces kit, black bezel, red & blue changeable LCD display

## BA050903

with ambient air temp meter

## BA050907

with oil temp meter

\*Scan the QR for fitment chart



## LCD gauges for Harley-Davidson® (6 pieces)

Our R&D department worked hard to create something new and modern for Harleys. The engineers responded by coming up with a complete plug & play system to replace the stock gauges. No need to drill holes or to rewire the gauges, they will all fit directly in the OEM dash and connectors. Both silver and black bezel kits feature a dual color changeable LCD display (red or blue) for a custom look.

The 6 piece kit includes a 4" speedometer, 4" tachometer with gear position, 2" oil pressure meter, 2" fuel level meter, a 2" volt meter and the choice of a 2" ambient temperature meter or 2" oil temperature meter. This meter is a great addition to all Harley FLHT, FLHX, and FLTR from 2004 to 2013.

\* Fits Harley-Davidson® FLHT, FLHX & FLTR from 2004 to 2013. \*\* Gauges can be sold separately \*\*



(R = Range U= Unit)

### Specifications for all HD-02 gauges

■ Effective temperature range  
14 ~ 140 °F (-10 ~ 60 °C)

■ Power DC12V

**HD-02S**  
**4" speedometer**

Our plug & play speedometer is equipped with a 2 color changeable LCD display. This meter provides the basic function of speed, odometer and tripmeter. It also includes a clock and all the necessary indicator lights.

**BA051000**

silver bezel

**BA051010**

black bezel

**Specifications**

- **Speedometer**  
 R: 0 ~ 225 MPH (0 ~ 360 km/h)  
 U: 1 MPH or km/h (alternative)
- **Speedometer levels**  
 R: 0 ~ 120 MPH (0 ~ 200 km/h)  
 U: ± 2.5 MPH (± 4.2 km/h)
- **Odometer**  
 R: 0 ~ 999,999 miles (km) | U: 1 mile (km)
- **Tripmeter A/B**  
 R: 0 ~ 9,999.9 miles (km) | U: 0.1 mile (km)
- **Clock** R: 12 H or 24 H format
- **Indicator lights**  
 Neutral/ Anti-theft / Check engine / Volt / Low fuel



**HD-02R**  
**4" tachometer**

Our plug & play 0 to 8,000 RPM meter is equipped with a 2 color changeable LCD display. Not only does this meter provide the engine RPM, it displays the gear position, cruise control and ABS indicator light as well. Connecting the instrument to a DC 12 V source of power.

**BA051100**

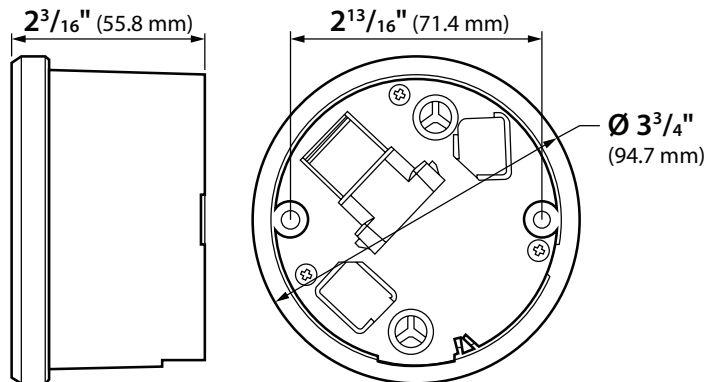
silver bezel

**BA051110**

black bezel

**Specifications**

- **Digital tachometer**  
 R: 0 ~ 8,000 RPM
- **Tachometer levels**  
 R: 0 ~ 8,000 RPM | U: ± 166 RPM
- **Engine temperature**  
 14 ~ 255 °F (-17 ~ 123 °C)
- **Gear indicator**  
 N, P, R, 1, 2, 3, 4, 5, 6
- **Indicator lights**  
 Cruise control / ABS



## HD-02P 2" oil pressure meter

This plug and play oil pressure meter is equipped with a 2 color changeable LCD display. It provides the engine oil pressure from 0 to 60 PSI.

### BA050410

silver bezel

### BA050430

black bezel

#### Specifications

- Oil pressure indicator  
R: 0 ~ 60 PSI | U: 1 PSI
- Oil pressure warning  
R: 5 ~ 60 PSI | U: 0.1 PSI



## HD-02F 2" fuel level meter

This plug & play fuel meter is equipped with a 2 color changeable LCD display. It will precisely display the percentage of fuel left in the tank.

### BA050200

silver bezel

### BA050210

black bezel

#### Specifications

- Fuel meter  
R: 0 ~ 100% | U: 1%



## HD-02V 2" volt meter

This plug & play volt meter is equipped with a 2 color changeable LCD display. It will provide you the battery voltage from DC 8 to 16 volts.

### BA050300

silver bezel

### BA050310

black bezel

#### Specifications

- Volt meter  
R: DC 8 ~ 16 V | U: DC 1 V



**HD-02T**  
**2" ambient air temp. meter**

This plug & play ambient air temperature meter is equipped with a 2 color changeable LCD display. It will provide you with the outdoor temperature from 0 to 120 °F and is easy to connect and install.

**BA050000**  
 silver bezel

**BA050020**  
 black bezel

**Specifications**

- Ambient air temp. meter  
 R: 0 ~ 120 °F  
 U: 1 °F
  - Ambient air temp. warning  
 R: 15 ~ 65 °F  
 U: 1 °F
- \* celsius temperature displayed only when used in the 6 pces kit



**HD-02T**  
**2" oil temperature meter**

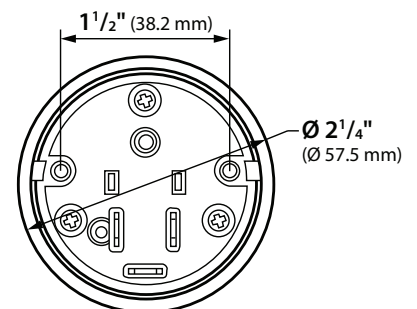
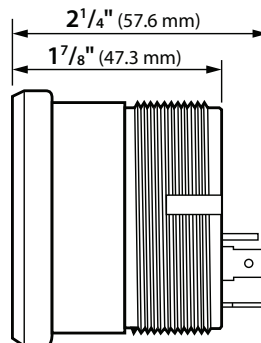
This plug & play oil temperature meter is equipped with a 2 color changeable LCD display. It will provide you with the oil temperature from 0 to 400 °F and is easy to connect and install.

**BA050500**  
 silver bezel

**BA050510**  
 black bezel

**Specifications**

- Oli temp. meter  
 R: 0 ~ 400 °F (32 ~ 204 °C)  
 U: 1 °F (alternative)
- Oil temp. warning  
 R: 150 ~ 400 °F (66 ~ 204 °C)  
 U: 1 °F (alternative)



# D2

part

## BA080000

Street Bob 2018-2022  
Breakout 2018+  
Low Rider ST 2022+  
Softail Standard 2022+

■ Optional 12" extension wire

## 20-A91803A

Fits D2 gauges

■ Optional rubber gasket with insert

## BZ080000

Fits D2 gauges

\*Scan the QR for fitment chart



## Multifunction meter for Harley-Davidson®

Our new high quality 100% plug & play D2 meter is equipped with an 8-color changeable LCD display. This gauge features a tach and speedo combo with a programmable shift light and includes a gear indicator for easily seeing what gear you're in.

This gauge also features vital readings such as engine temperature, battery voltage, tire pressure and a complete system of indicator lights to monitor your bikes vital signs. This gauge will fit directly into the stock harness and works directly with your bikes CANBUS system.

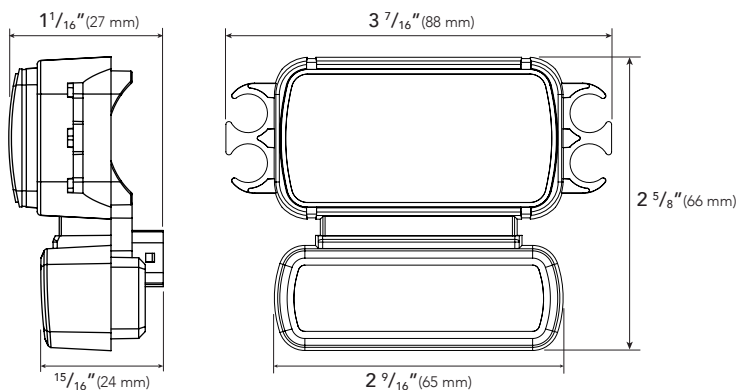
**\*Fits models with traction control.**



\*Optional rubber gasket may be required

















**PLUG N PLAY**



### Specifications

- **Speedometer**  
Display range : 0~199 km (0~124 mile) switchable  
Display unit : 1 km (mile)
- **Display interval**  
<0.5 second
- **Internal and external odometer**  
Display range : 0,000,000~9,999,999 km (mile)  
returns to zero upon exceeding  
Display unit : 1 km (mile)
- **Trip meter A,B**  
Display range : 0,000.0~9,999.9 km (mile)  
returns to zero upon exceeding  
Display unit : 0.1 km (mile)
- **Tire circumference**  
Setting range : 50 ~ 210 %  
Setting unit : 1 %
- **Tachometer**  
Display range : 0 ~ 10,000 RPM
- **Shift light warning**  
Setting range : 2,000 ~ 10,000 RPM  
When it is higher than the setting value (including),  
the backlight will blink in red and white as a warning.  
Setting unit : 100 RPM
- **Engine temperature**  
Setting range : -39 ~ 300 °C (-38 ~ 572 °F)
- **Clock**  
Setting range : 12 / 24 hour format
- **Voltmeter**  
Display range : 8 ~ 18 V
- **Backlight brightness**  
Setting range : 1/5(darkest)~ 5 / 5(brightest)
- **Backlight color**  
Setting range : white, red, orange, yellow,  
blue, light blue, purple, green
- **Mileage maintenance**  
Setting range : Off, 500 ~ 16,000 km  
(300 ~ 10,000 mile)  
Setting unit : 100 km (miles)

- **Indication light**
  - Right indication light (Green) 
  - Security light (Red) 
  - ABS light (Amber) 
  - Motor oil light (Red) 
  - Neutral light (Green) 
  - High beam light (Blue) 
  - Low fuel warning light (Amber) 
  - Left indication light (Green) 
  - Fog light (Green) 
  - Battery discharge light (Red) 
  - Engine light (Amber) 
  - Cruise light (Green/Amber) 
  - Tire pressure warning light (Amber) 
  - Traction control (Amber) 
- **Tire pressure**  
(TPMS, FR/RR/LR shall be displayed when the  
vehicle supports TPMS)  
Display range : ---, Hi, 0~73 PSI, 0~506 kPa,  
0.0~5.0 bar  
Display unit : 1 PSI, 1 kPa, 0.1 bar
- **Fuel meter**  
Display range : 10 levels
- **Operating voltage**  
DC 12 V
- **Operating temperature**  
-20~85 °C
- **Storage temperature**  
-30~90 °C
- **Specifications**  
JIS D 0203 (S2)
- **Meter size**  
88.2 x 67.0 x 35.2 mm
- **Meter weight**  
Around 70 g

\*Optional rubber gasket  
may be required



**CHANGEABLE COLORS**



# D2

part

## BA080010

Fits Dyna 2004-2011, Softail 2004-2010, Sportster 2004-2013 & Roadking 2004-2013

## BA080020

Fits Dyna 2012+, Softail 2011-2017, Sportster 2014+ & Roadking 2014+

■ Optional 12" extension wire

## 20-A91803A

Fits D2 gauges

■ Optional rubber gasket with insert

## BZ080000

Fits D2 gauges

\*Scan the QR for fitment chart



## Multifunction gauge for Harley-Davidson®

Whether you have a Dyna, Softail, Sportster or Roadking model, this new D2 plug and play multifunction meter will provide you vital readings such as engine temperature, battery voltage, tire pressure and a complete system of indicator lights to monitor your bikes vital signs. This gauge will fit directly into the stock harness and work with your bikes CANBUS system.

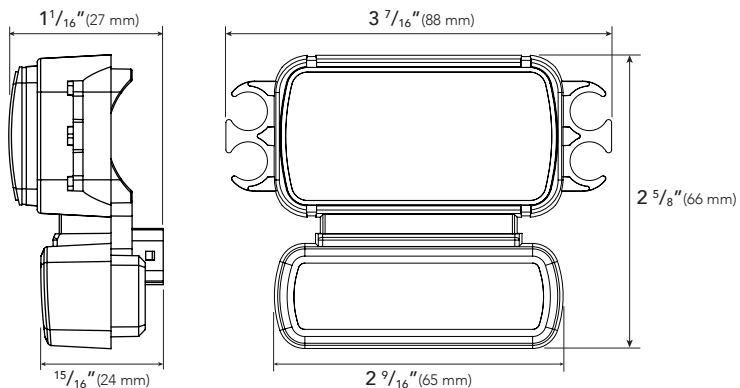
It also features a tach and speedo combo with a programmable shift light, a gear indicator for easily seeing what gear you're in and an 8-color changeable LCD display.



\*Optional rubber gasket may be required



Optional 12" extension wire



## Specifications

- **Speedometer**  
Display range : 0~199 km (0~124 mile) switchable  
Display unit : 1 km (mile)
- **Display interval**  
<0.5 second
- **Internal and external odometer**  
Display range : 000,000~999,999 km (mile)  
returns to zero upon exceeding  
Display unit : 1 km (mile)
- **Trip meter A,B**  
Display range : 0,000.0~9,999.9 km (mile)  
returns to zero upon exceeding  
Display unit : 0.1 km (mile)
- **Tire circumference**  
Setting range : 50 ~ 210 %  
Setting unit : 1 %
- **Gear meter**  
Display range : N /1-6
- **Tachometer**  
Display range : 0 ~ 10,000 RPM
- **Shift light warning**  
Setting range : 2,000 ~ 10,000 RPM  
When it is higher than the setting value (including),  
the backlight will blink in red and white as a warning.  
Setting unit : 100 RPM
- **Engine temperature**  
Setting range : -40 ~ 300 °C (-40 ~ 572 °F)
- **Clock**  
Setting range : 12 / 24 hour format
- **Voltmeter**  
Display range : 8 ~ 18 V
- **Backlight brightness**  
Setting range : 1/5(darkest)~ 5 / 5(brightest)
- **Backlight color**  
Setting range : white, red, orange, yellow,  
blue, light blue, purple, green
- **Mileage maintenance**  
Setting range : Off, 500 ~ 16,000 km  
(300 ~ 10,000 mile)  
Setting unit : 100 km (miles)

- **Indication light**
  - Right indication light (Green)
  - Security light (Red)
  - ABS light (Amber)
  - Motor oil light (Red)
  - Neutral light (Green)
  - High beam light (Blue)
  - Low fuel warning light (Amber)
  - Left indication light (Green)
  - Battery discharge light (Red)
  - Engine light (Amber)
  - Cruise light (Green/Amber)



- **Air pressure gauge**  
Display range : ---, 0~150 PSI,  
Display unit : 1 PSI
- **Air pressure gauge calibration**  
Calibration range : 0~25 PSI ±1 PSI  
Display unit : 1 PSI
- **Fuel meter**  
Display range : OFF, Sportster fuel volume  
switch original fuel kit (PN 6120008A), Dyna,  
CUST (User define)
- **Operating voltage**  
DC 12 V
- **Operating temperature**  
-20~85 °C
- **Storage temperature**  
-30~90 °C
- **Specifications**  
JIS D 0203 (S2)
- **Meter size**  
88.2 x 67.0 x 35.2 mm
- **Meter weight**  
± 70 g

\*Optional rubber gasket  
may be required



## 8 CHANGEABLE COLORS



# D2

part

## BA080030

Baggers 2014-2023

- Optional air pressure sensor kit for air suspension

## BZ012000

Fits D2 gauge for Baggers (200 PSI / 1/8 NPT)

- Optional 12" extension wire

## 20-A91803A

Fits D2 gauges

- Optional rubber gasket with insert

## BZ080000

Fits D2 gauges

\*Scan the QR for fitment chart



## Multifunction gauge for Harley-Davidson®

Equipped with an 8-color changeable LCD display, the new plug and play D2 meter for Baggers features a tach and speedo combo with a programmable shift light and includes a gear indicator for easily seeing what gear you're in.

This gauge also features vital readings such as engine temperature, battery voltage, tire pressure and a complete system of indicator lights to monitor your bike's vital signs. This gauge will fit directly into the stock harness and works directly with your bike's CANBUS system.

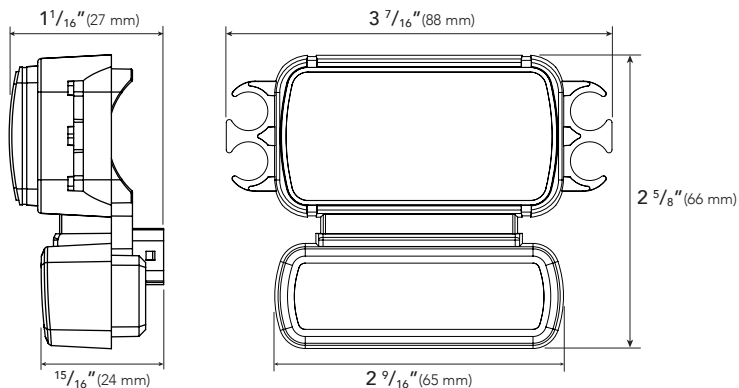
\*To access settings on CVO models, you must turn ON the run/stop switch so that the bike will not turn off. Then you can make your adjustments to the settings on the gauge.



Optional air pressure sensor kit for air suspension



\*Optional rubber gasket may be required



## Specifications

- Speedometer**  
 Display range : 0~199 km (0~124 mile) switchable  
 Display unit : 1 km (mile)
- Display interval**  
 <0.5 second
- Internal and external odometer**  
 Display range : 000,000~999,999 km (mile)  
 returns to zero upon exceeding  
 Display unit : 1 km (mile)
- Trip meter A,B**  
 Display range : 0,000.0~9,999.9 km (mile)  
 returns to zero upon exceeding  
 Display unit : 0.1 km (mile)
- Tire circumference**  
 Setting range : 50 ~ 210 %  
 Setting unit : 1 %
- Tachometer**  
 Display range : 0 ~ 10,000 RPM
- Shift light warning**  
 Setting range : 2,000 ~ 10,000 RPM  
 When it is higher than the setting value (including),  
 the backlight will blink in red and white as a warning.  
 Setting unit : 100 RPM
- Engine temperature**  
 Setting range : -39 ~ 300 °C (-38 ~ 572 °F)
- Clock**  
 Setting range : 12 / 24 hour format
- Voltmeter**  
 Display range : 8 ~ 18 V
- Backlight brightness**  
 Setting range : 1/5(darkest)~ 5 / 5(brightest)
- Backlight color**  
 Setting range : white, red, orange, yellow,  
 blue, light blue, purple, green
- Mileage maintenance**  
 Setting range : Off, 500 ~ 16,000 km  
 (300 ~ 10,000 mile)  
 Setting unit : 100 km (miles)
- Indication light**
  - Right indication light (Green)
  - Security light (Red)
  - ABS light (Amber)
  - Motor oil light (Red)
  - Neutral light (Green)
  - High beam light (Blue)
  - Low fuel warning light (Amber)
  - Left indication light (Green)
  - Fog light (Green)
  - Battery discharge light (Red)
  - Engine light (Amber)
  - Cruise light (Green/Amber)
  - Tire pressure warning light (Amber)
  - Traction control (Amber)
  - Rain mode (Blue)
  - Vehicle hold control (VHC) (Amber)
- Tire pressure**  
 (TPMS, FR/RR/LR shall be displayed when the  
 vehicle supports TPMS)  
 Display range : ---, Hi, 0~73 PSI, 0~506 kPa,  
 0.0~5.0 bar  
 Display unit : 1 PSI, 1 kPa, 0.1 bar
- Fuel meter**  
 Display range : 10 levels
- Operating voltage**  
 DC 12 V
- Operating temperature**  
 -20~85 °C
- Storage temperature**  
 -30~90 °C
- Specifications**  
 JIS D 0203 (S2)
- Meter size**  
 88.2 x 67.0 x 35.2 mm
- Meter weight**  
 Around 70 g
- Air pressure gauge**  
 Display range : ---, 0~150 PSI,  
 Display unit : 1 PSI
- Air pressure gauge calibration**  
 Calibration range : 0~25 PSI ±1 PSI  
 Display unit : 1 PSI



**CHANGEABLE COLORS**



part

## BA080050

full D2 gauge kit with fuel level, engine temp meter & adapter harness for Baggers 2014-2023

## BA080051

If you already own the D2 gauge for Baggers (BA080030), you can purchase this kit as an add-on to your gauge. (Includes fuel level, engine temp meter & adapter

- Optional air pressure sensor kit for air suspension

## BZ012000

Fits D2 meter for Baggers (200 PSI / 1/8 NPT)

- Optional 12" extension wire

## 20-A91803A

Fits D2 meters

- Optional rubber gasket with insert

## BZ080000

Fits D2 meters

\*Scan the QR for fitment chart



## Gauge kit for Harley-Davidson®

This new plug and play D2 gauge kit for Baggers now comes with the fuel level & engine temperature meters, giving a unique look and experience to your motorcycle.

It is also equipped with an 8-color changeable LCD display and features vital readings such as engine temperature, battery voltage, tire pressure, gear indicator and a complete system of indicator lights to monitor your bike's vital signs. This gauge will fit directly into the stock harness and works with your bike's CANBUS system.

\*To access settings on CVO models, you must turn ON the run/stop switch so that the bike will not turn off. Then you can make your adjustments to the settings on the gauge.

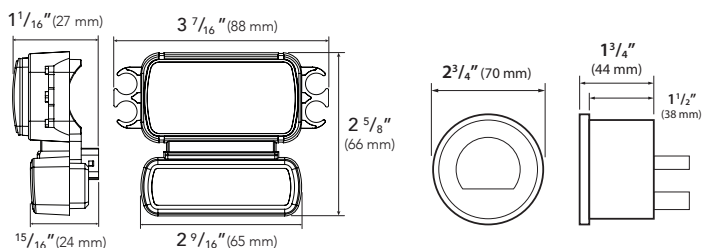


Optional air pressure sensor kit for air suspension

**PLUG N PLAY**



















\*Optional rubber gasket may be required



## Specifications

- **Speedometer**  
Display range : 0~199 km (0~124 mile) switchable  
Display unit : 1 km (mile)
- **Display interval**  
<0.5 second
- **Internal and external odometer**  
Display range : 000,000~999,999 km (mile)  
returns to zero upon exceeding  
Display unit : 1 km (mile)
- **Trip meter A,B**  
Display range : 0,000.0~9,999.9 km (mile)  
returns to zero upon exceeding  
Display unit : 0.1 km (mile)
- **Tire circumference**  
Setting range : 50 ~ 210 %  
Setting unit : 1 %
- **Tachometer**  
Display range : 0 ~ 10,000 RPM
- **Shift light warning**  
Setting range : 2,000 ~ 10,000 RPM  
When it is higher than the setting value (including),  
the backlight will blink in red and white as a warning.  
Setting unit : 100 RPM
- **Engine temperature**  
Setting range : -39 ~ 300 °C (-38 ~ 572 °F)
- **Clock**  
Setting range : 12 / 24 hour format
- **Voltmeter**  
Display range : 8 ~ 18 V
- **Backlight brightness**  
Setting range : 1/5(darkest)~ 5 / 5(brightest)
- **Backlight color**  
Setting range : white, red, orange, yellow,  
blue, light blue, purple, green
- **Mileage maintenance**  
Setting range : Off, 500 ~ 16,000 km  
(300 ~ 10,000 mile)  
Setting unit : 100 km (miles)

- **Indication light**
  - Right indication light (Green) 
  - Security light (Red) 
  - ABS light (Amber) 
  - Motor oil light (Red) 
  - Neutral light (Green) 
  - High beam light (Blue) 
  - Low fuel warning light (Amber) 
  - Left indication light (Green) 
  - Fog light (Green) 
  - Battery discharge light (Red) 
  - Engine light (Amber) 
  - Cruise light (Green/Amber) 
  - Tire pressure warning light (Amber) 
  - Traction control (Amber) 
  - Rain mode (Blue) 
  - Vehicle hold control (VHC) (Amber) 
- **Tire pressure**  
(TPMS, FR/RR/LR shall be displayed when the  
vehicle supports TPMS)  
Display range : ---, Hi, 0~73 PSI, 0~506 kPa,  
0.0~5.0 bar  
Display unit : 1 PSI, 1 kPa, 0.1 bar
- **Fuel meter**  
Display range : 10 levels
- **Operating voltage**  
DC 12 V
- **Operating temperature**  
-20~85 °C
- **Storage temperature**  
-30~90 °C
- **Specifications**  
JIS D 0203 (S2)
- **Meter size**  
88.2 x 67.0 x 35.2 mm
- **Meter weight**  
Around 70 g
- **Air pressure gauge**  
Display range : ---, 0~150 PSI,  
Display unit : 1 PSI
- **Air pressure gauge calibration**  
Calibration range : 0~25 PSI ±1 PSI  
Display unit : 1 PSI



**8**  
**CHANGEABLE COLORS**



# HD-Oil Dipstick

part

## BA053101

black casing, fits 2017 + models

## BA053111

silver casing, fits 2017 + models

## BA053001

black casing, fits 2007 - 2016  
Touring models

## BA053011

silver fits 2007 - 2016  
Touring models

\*Scan the QR for fitment chart



## HD Oil Dipstick

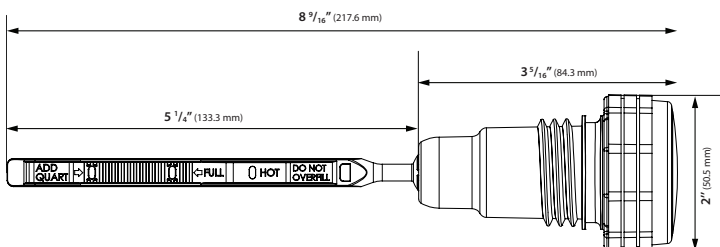
The Harley Davidson Oil dipstick by Koso is a fast and simple solution to verifying oil level as well as temperature. The push to power technology provides the ability to check your bike's oil vital signs on the go or at a red light with ease.



(R = Range U= Unit)

### Specifications

- **Thermometer**  
R: 32~302°F (0~150 °C)  
U: 1 °F (°C)
- **Oil level** R: 1~4 levels
- Low oil level warning
- 1 step install no wiring needed
- Power: CR2032 battery



new

# DL-04HD

## Multifunction gauge for Harley-Davidson®

Tired of the analog look? Change for something new and modern with our new version of the DL-04 plug and play gauge for Harley-Davidson®! Its classic round shape and high-tech negative LCD screen feature a variety of functions such as speed, odometer, tripmeter, hour meter, as well as 6 indicator lights.

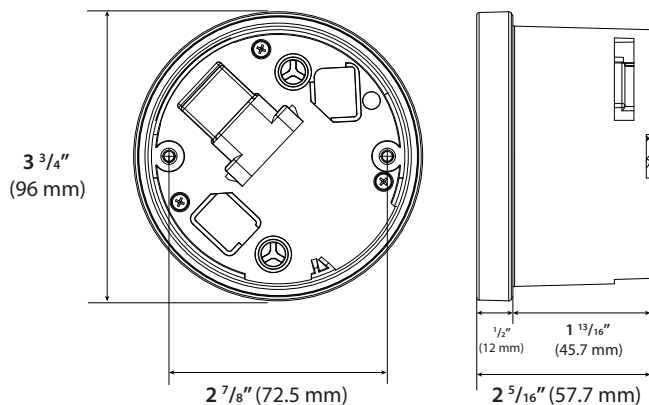
This gauge will give riders with Harley-Davidson® all the information they need while giving an innovative look to their motorcycle.



(R = Range U= Unit)

### Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- **Tachometer**  
R: 0 ~ 10,000 RPM
- **Odometer (internal and external)**  
R: 0 ~ 999,999 miles(km) | U: 1mile (km)
- **Tripmeter 1, 2**  
R: 0 ~ 9,999.9 miles (km)  
U: 0.1 mile (km)
- **Tire circumference**  
R: 50 ~ 210 %  
U: 1 %
- **Oil Maintenance**  
R: -999~10000 miles
- **Weight**  
± 190 g
- **Gear indicator**  
R: N, 1 ~ 6
- **Volt meter**  
R: DC 8.0 ~ 18.0 V | U: DC 0.1V
- **Clock**  
R: 12 or 24 H format
- **Temperature**  
R: -40 ~ 419 °F (-40 ~ 225 °C)
- **Backlight brightness**  
R: 1 - 5(darkest) ~ 5 - 5 (brightest)
- **Indicator lights**  
Check engine / ABS / RPM shift indicator / Security indicator / Cruise control / Low voltage warning
- **Overspeed warning**  
R: 20 ~ 225 MPH (360 km/h)
- **Shift light warning**  
R: 2 000 ~ 10 000 RPM | U: 100 RPM
- **Fuel meter**  
R: 6 levels | U: 1 level(16.6 %)
- **Fuel tank volume**  
R: OFF/ 1.0 ~ 9.9 US gallons



part

Fits XL-883 & XL-1200 2004 to 2013 & Dyna 2004-2011  
\*with bar mounted gauge

### BA077400

black bezel

Fits XL-883 & XL-1200 2014+, Softail 2011+ & Dyna 2012+  
\*with bar mounted gauge

### BA077410

black bezel

\*Scan the QR for fitment chart



# HD-04

part

Fits XL-883 & XL-1200 2004 to 2013 & Dyna 2004-2011  
**\*with bar mounted gauge**

## BA051201

silver bezel

## BA051211

black bezel

Fits XL-883 & XL-1200 2014+,  
Softail 2011+ & Dyna 2012+  
**\*with bar mounted gauge**

## BA051221

silver bezel

## BA051231

black bezel

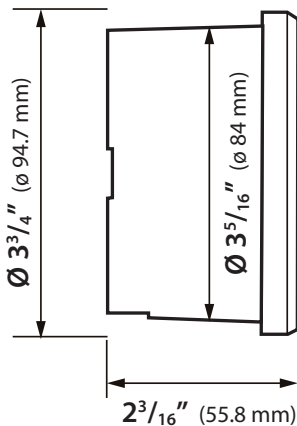
\*Scan the QR for fitment chart



## Multifunction gauge for Harley-Davidson®

You can now customize your sportster with our high-quality plug & play meter that is equipped with a 8 color changeable LCD display. Its stepper motor provides a precise and fast response so that you can get accurate real time information. Some of the great functions this meter has to offer are : speed, RPM, indicator lights, fuel level, and gear position indicator.

Available in silver or black bezel, this is a great modern update for your sportster.



(R = Range U= Unit)

## Specifications

### Speedometer

R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h

### Odometer

R: 0 ~ 999,999 miles (km) U: 1 mile (km)

### Tripmeter A/B

R: 0 ~ 9,999.9 miles (km)  
U: 0.1 mile (km)

### Tachometer

R: 0 ~ 8,000 RPM | U: 100 RPM

### Shift light warning

R: 2,000 ~ 8,000 RPM | U: 100 RPM  
Warning light on  $\geq$  value

### Maximum RPM warning mode

R: light on (F-OFF) flash (F-ON)

### Tire circumference

R: 50 ~ 210 % | U: 1 %

### Engine temperature meter

R: -40 ~ 419 °F (-40 ~ 215 °C)  
U: 1 °F or °C (alternative)

### Fuel level

R: 6 levels | U: 1 level = 16.67%

### Clock

R: 12 H or 24 H format

### Backlight colors

White / Light Blue / Blue / Purple / Red / Orange / Yellow / Green

### Gear indicator

R: Off, N, 1, 2, 3, 4, 5

### Indicator lights

Security light / Check engine /  
Cruise light / Low fuel warning /  
Battery discharge light / ABS / Anti-theft

### Effective temperature range

14 ~ 140 °F (-10 ~ 60 °C)

### Effective voltage

DC 12 V

### Fits Harley 3 3/8" stock meter mounting cup models



# HD-05

part

Fits Dyna 2004-2011, Softails  
2004-2010 & Road King 2004-2013  
**\*with tank mounted gauge**

## BA072100

silver bezel

## BA072110

black bezel

Fits Dyna 2012+, Softails 2011+ &  
Road King 2014+  
**\*with tank mounted gauge**

## BA072000

silver bezel

## BA072010

black bezel

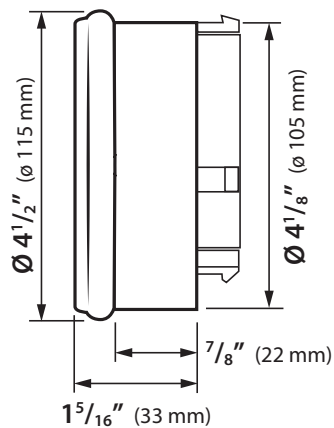
\*Scan the QR for fitment chart



## Multifunction gauge for Harley-Davidson®

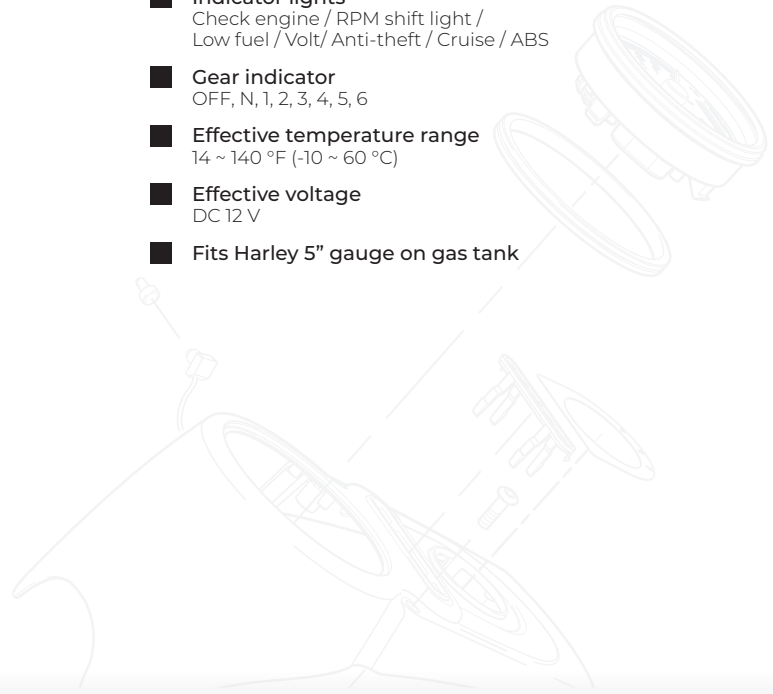
The all-new 100% plug and play HD-05 series for 4 1/2" gas tank mounted Harley-Davidson® gauges feature a tach and speedo combo. They are equipped with a programmable shift light, gear indicator, engine temperature and battery voltage. They also feature average fuel economy readings and a complete system of indicators to monitor your bike's vital signs.

These plug and play kits fit directly into the stock harness and work directly in relation with your bikes CANBUS system.



## Specifications

- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h
- **Tachometer**  
R: 0 ~ 8,000 RPM
- **RPM Shift-light**  
R: 2,000 ~ 8,000 RPM | U: 100 RPM  
Warning lights on > value
- **Maximum RPM mode**  
R: Light on (F-OFF), Flash (F-ON)
- **Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h
- **Odometer**  
R: 0 ~ 999,999 miles (km) U: 1 mile (km)
- **Tripmeter A/B**  
R: 0 ~ 9,999.9 miles (km)  
U: 0.1 mile (km)
- **Tire circumference**  
R: 50 ~ 210% | U: 1%
- **Engine temperature**  
R: -40 ~ 419 °F (-40 ~ 215 °C)  
U: 0.1 °F or °C (alternative)
- **Fuel level**  
R: 6 levels | U: 1 level = 16.6 %
- **Fuel tank volume**  
OFF / 1 ~ 9.9 US gallons
- **Average fuel consumption**  
OFF / MPG (US spec) / MPG (UK spec)  
L/100 km / km/L
- **Mileage maintenance**  
R: Off / 300 ~ 10,000 miles  
(500 ~ 16,000 km) | U : 100 miles (km)
- **Remaining mileage**  
R: 0 ~ 9,999 miles  
LO RING displayed when < 10 miles  
(16 km)
- **Clock**  
R: 12 H or 24 H format
- **Volt meter**  
R: DC 8 ~ 18 V
- **Backlight brightness**  
R: 1/5 (darkest) ~ 5/5 (brightest)
- **Backlight colors**  
White / light Blue / Blue / Purple /  
Red / Orange / Yellow / Green
- **Indicator lights**  
Check engine / RPM shift light /  
Low fuel / Volt / Anti-theft / Cruise / ABS
- **Gear indicator**  
OFF, N, 1, 2, 3, 4, 5, 6
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage**  
DC 12 V
- **Fits Harley 5" gauge on gas tank**



**CHANGEABLE COLORS**



# HD-01S

part

**BB551B42**

## Specifications

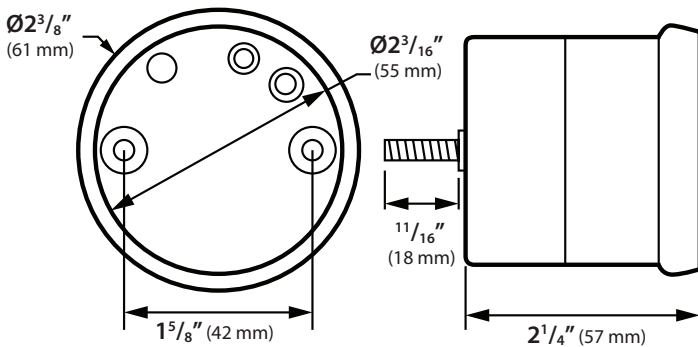
(R = Range U= Unit)

- **Speedometer**  
R: 0 ~ 220 km/h  
U: 1 km/h
- **Odometer**  
R: 0 ~ 999.9 km | U: 1 km
- **Tripmeter A/B**  
R: 0 ~ 999.9 miles (km) | U: 0.1 mile (km)
- **Effective temperature**  
R: 14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage DC 12 V**
- Works with OEM H-D® transmission speed sensor or Koso speed sensor for H-D®

## Speedometer for Harley-Davidson® (km/h)

The HD-01S for Harley-Davidson® features a speedometer, an odometer, and a tripmeter. This instrument will fit the OEM speed sensor. Want something different? This is the right meter.

\* IMPORTANT : Will not work with CANBUS system. \*\* Speed sensor not included



# HD-01R

## Tachometer for Harley-Davidson® (with oil pressure)

The HD-01R for Harley-Davidson® features a tachometer and oil pressure meter that serves as a warning function and could prevent damages from occurring to the motor. This meter features a stepper motor and LCD screen.

\* IMPORTANT : Will not work with CANBUS system.



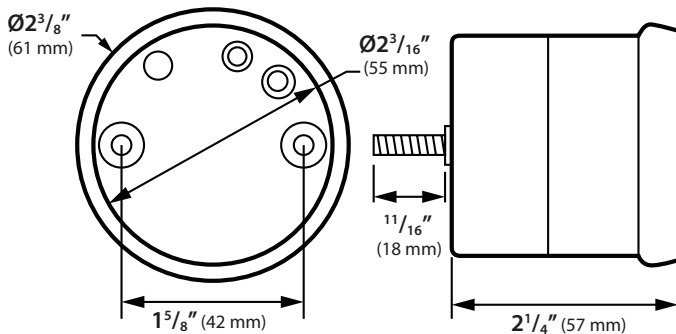
part

## BB551B20

### Specifications

(R = Range U= Unit)

- **Tachometer**  
R: 0 ~ 9,000 RPM | U: ± 100 RPM
- **Stroke / piston setting**  
2 stroke: 1, 2, 3, 4 pistons  
4 stroke: 1, 2, 3, 4, 5, 6, 8, 10, 12 pistons
- **Oil pressure R:** 0 ~ 75 PSI
- **Effective temperature**  
R: 14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage DC 12 V**
- **Should be used with**  
Harley-Davidson® sensor 74438-99A  
(H-D® jumper wire oil pressure sensor 32806-00)
- **Some motorcycles might require**  
adjustable RPM signal filter  
BO035000 in order to work correctly
- **Effective voltage DC 12 V**
- **Works with OEM H-D® transmission**  
speed sensor or Koso speed sensor  
for H-D®



# Gear indicator

part  
**KN002010**

## Specifications

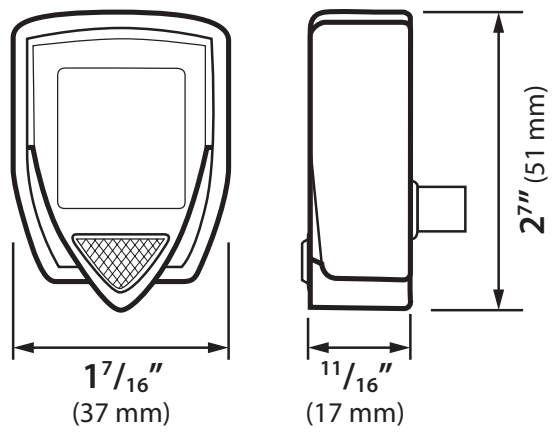
- Gear indicator  
R: N, 1, 2, 3, 4, 5, 6
- Effective temperature range  
14 ~ 140 °F (-10 ~ 60 °C)
- Effective voltage  
DC 12 V

\*Scan the QR for fitment chart



## LCD gear display for Harley-Davidson®

Always wondering what gear you're in? Avoid that question by using our plug & play gear indicator. Lightweight, compact, easy to use and to install, this meter will quickly tell you which gear you're in. Its big digits and blue backlight make it easy to read during day or night riding. This meter is a great addition for serious riders.



# Indicator light display

## Indicator light display

Regardless of whether it's day or night, this new Koso Indicator light display will provide all the information you need and fit on any motorcycle, scooter or other vehicle. Its discreet and classy style will complement your motorcycle while being easy to read.

part

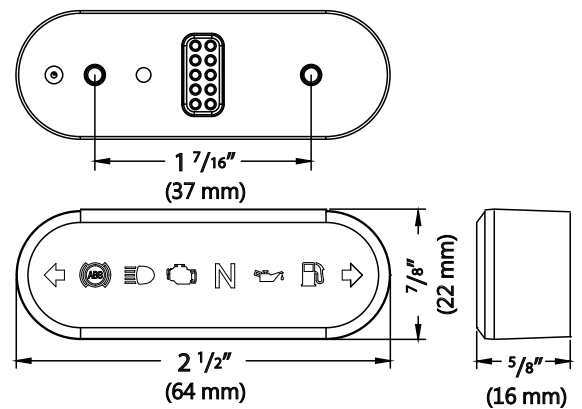
**BA083000**

Indicator display

### Specifications

#### ■ Indication light

Left indication light  
ABS light  
High beam light  
Engine light  
Neutral light  
Motor oil light  
Low fuel warning light  
Right indication light



# Heated equipment

---





# Heated Steering Wheel

new

part

## AY001000

Steering wheel

### Optional steering spline adapters

#### UTV part#

Scan QR code to see fitment chart



part

#### AZ007003

Type D

#### AZ007004

Type E

#### Golf Cart part#

Scan QR code to see fitment chart



part

#### AZ007000

Type A

#### AZ007001

Type B

#### AZ007002

Type C

## Heated steering wheel

Our new innovative Heated Steering Wheel will keep you warm and comfortable through all your adventures. New in its category, this item features an integrated 5 level temperature switch which allows riders to easily power on/off or adjust the level of temperature without having to remove their hands from the steering wheel.

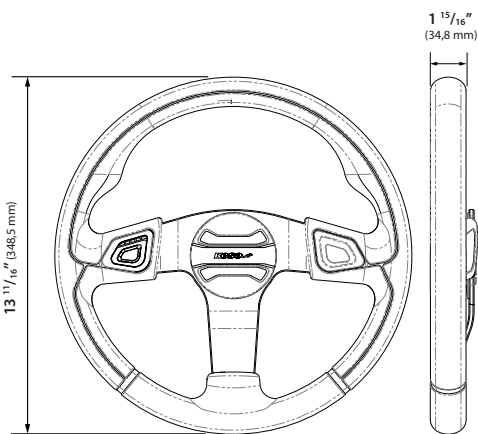


Optional steering spline adapters



### Specifications

- Integrated temperature control switch
- Comfortable feel and ergonomic shape
- Low volt cut off to protect battery
- 5 temperature levels indicated by LEDs on switch



new

# Artemis

## Heated grips universal fit

Keep your hands warm all ride long with the new Artemis heated grips. This product offers a new modern design for you motorcycle and it features an integrated thumb switch which provides you with the ability to power on and off the grips as well as rotate between 5 levels of temperature.



part

### AX170010

120 mm

Fits L: 7/8" R: 1" handlebar

### AX171010

130 mm

Fits L: 7/8" R: 1" handlebar

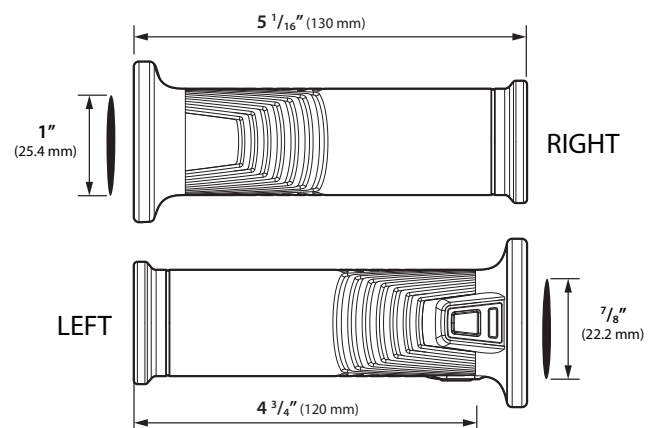
### AX174010

130 mm

Fits L: 1" R: 1 1/8" handlebar

## Specifications

- Integrated temperature level thumb switch
- Universal fitment (120mm or 130mm)
- 5 temperature levels to choose from indicated by multi-color LED
- Low battery cut off protection
- Internal memory that allows grips to power on at previous heat level



# Titan-II

new

part

## AX2080L1-B

Electronic Throttle - Black

## AX2080L1-C

Electronic Throttle - Chrome

## AX2082L1-B

Cable Throttle - Black

## AX2082L1-C

Cable Throttle - Chrome

## AX2084L1-B

Electronic Throttle - Black  
with longer inner sleeve for  
2024+ Touring models

## AX2084L1-C

Electronic Throttle - Chrome  
with longer inner sleeve for  
2024+ Touring models

## Heated grips for Harley-Davidson®

The new Titan-II heated grips serie for Harley-Davidson® offers a variety of model fitment options. They feature an integrated thumb switch with 5 temperature levels. This allows riders to easily power on/off or adjust the level of temperature without having to remove their hands from the handlebars. The resistant and comfortable rubber materials make these grips the perfect ally for Harley-Davidson riders who do not want the cold to stop their passion.



### Specifications

- Integrated thumb switch with 5 temperature levels
- Low battery cut off protection
- Designed to fit most Harley-Davidson® models
- Internal memory that allows the grips to stay at previous warmth level
- 5 color LED indicator to display which temperature setting is currently in use: Red, orange, yellow, green and blue
- Made of high quality and soft rubber



**For 2024+ Touring models**  
(part# AX2083L1-C or AX2083L1-B)

# Titan

part

**AX065MG0**

Chrome

## Heated grips (twist throttle)

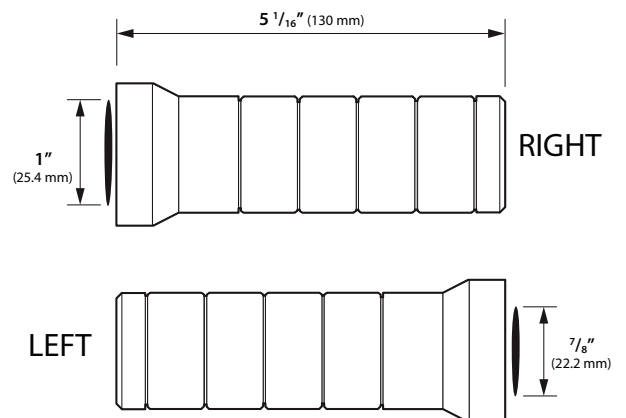
Our Titan heated grips are sure to keep you warm through all of your adventures and help yield those couple extra hours of riding that you so often crave. Featuring an external 5 color LED display controller, your temperature can easily be changed with the click of a simple button.

Available in a black or chrome finish and made of aluminum and soft to the touch rubber. \* Fits on cruiser motorcycles.



## Specifications

- 130 mm size
- Integrated temperature level thumb switch
- Universal fitment for all ATV and snowmobile models
- 5 temperature levels to choose from indicated by multi-color LED
- Low battery cut off protection
- Internal memory that allows grips to power on at previous heat level



# Titan-X

part

## AX068M00

Electronic Throttle - Chrome

## AX068K10

Cable Throttle - Black

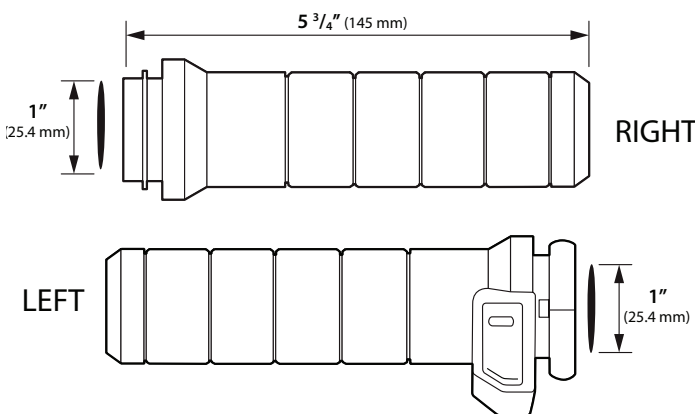
## Heated grips for Harley-Davidson®

Finished are the days of searching around for a dial or button to power on heated grips. Our Titan-X heated grips for Harley-Davidson® feature an integrated 5 temperature level thumb switch which allows riders to easily power on/off or adjust the level of temperature without having to remove their hands from the handlebars.\* Fits 1" + 1" handlebar



### Specifications

- Integrated temperature level thumb switch
- Universal fitment designed to fit most Harley-Davidson® models
- 5 temperature levels to choose from
- 5 color LED indicator to display which temperature setting is currently in use
- Low battery cut off protection
- Internal memory that allows the grips to stay at previous warmth level
- Made of aluminium and high quality soft to the touch rubber
- Available anodized black or chrome
- Available for electronic and cable throttle models



# Titan-S

part

**AX065M10**

Chrome

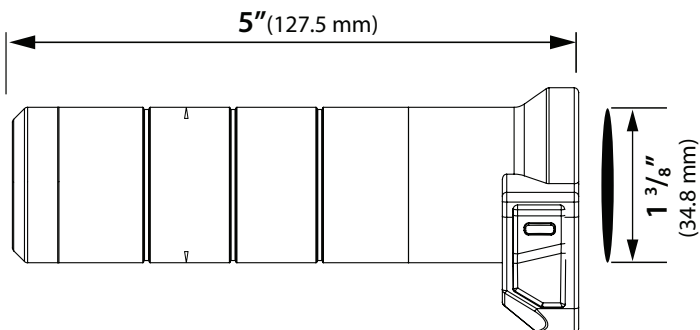
## Heated grips universal fit

Stay warm with the koso Titan-s heated grips. Perfect for all applications, the titan-s features koso's innovative thumb switch design which provides the ability to safely rotate through temperature levels without removing any hands from the handlebars. \*Universal Fitment: 7/8" + 1" handlebars



## Specifications

- Integrated temperature level thumb switch
- Universal fitment designed to fit 7/8" + 1" handlebars
- 5 temperature levels to choose from
- 5 color LED indicator to display which temperature setting is currently in use
- Low battery cut off protection
- Internal memory that allows the grips to stay at previous warmth level
- Made of soft to the touch rubber composite
- Available anodized black or chrome



# Apollo

part

**AM111010**

120 mm

**AM111030**

130 mm

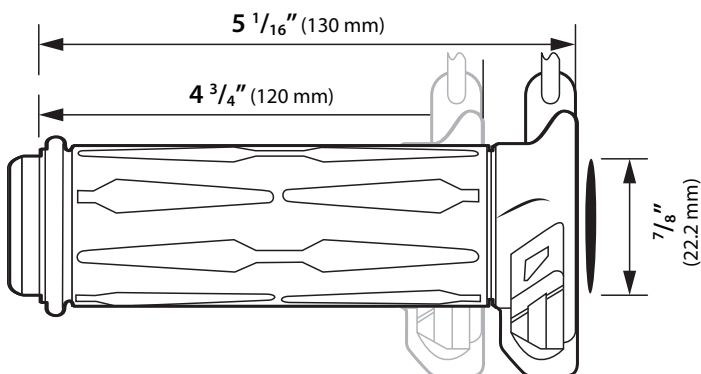
## Heated grips universal fit

The Apollo heated grips are a prime example of Koso's innovation. Featuring Koso's exclusive integrated thumb switch, it allows you to control the level of the grips with a simple press of the thumb without ever removing your hand from the grip.



### Specifications

- Integrated temperature level thumb switch
- Universal fitment (120mm or 130mm)
- 5 temperature levels to choose from indicated by multi-color LED
- Low battery cut off protection
- Internal memory that allows grips to power on at previous heat level
- Fits L:7/8" - R:1" handlebar for twist throttle applications



# Apollo

## Heated grips universal fit (ATV & snowmobile)

Pushing forward and innovating is what we do. After huge success with our original Apollos we've decided to release a version for thumb throttle vehicles. Featuring our exclusive thumb switch design and 5 levels of temperature, these grips are ergonomically friendly and keep your hands warm in cold harsh weather.



part

**AX073010**

L: 7/8" – R: 7/8" handlebar

**AX073210**

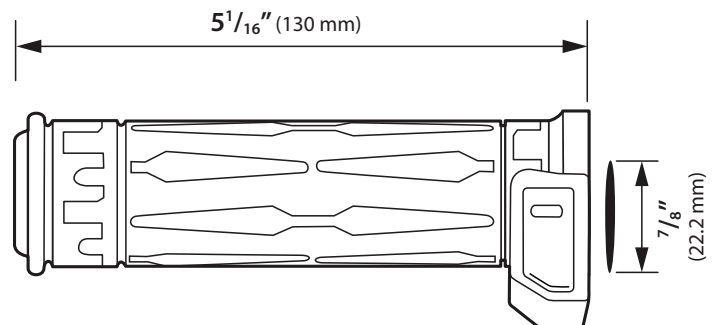
L: 7/8" – R: 7/8" handlebar with heated thumb

### Specifications

- 130 mm size
- Integrated temperature level thumb switch
- Universal fitment for all ATV and snowmobile models
- 5 temperature levels to choose from indicated by multi-color LED
- Low battery cut off protection
- Internal memory that allows grips to power on at previous heat level



\*AX073210 shown



# Multi Adjustment

part

## AM10700F

Fits L: 7/8" – R: 1" handlebar

## AM10720F

Fits L: 1" – R: 1 1/8" handlebar

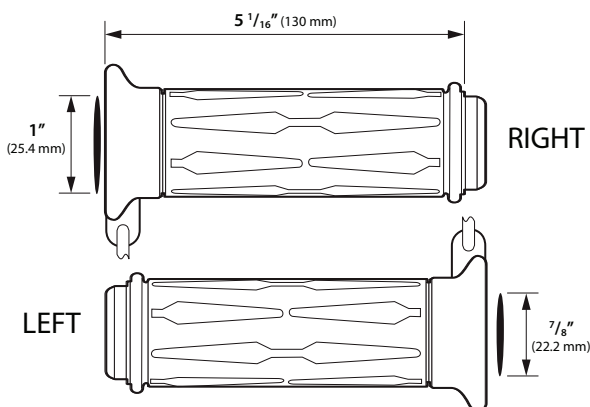
### Specifications

- Multi adjustment controller allows you to adjust the temperature to desired comfort level
- "Short circuit protection" and "low battery cut off protection"
- Rubber material that is resistant to outdoor conditions and high temperatures
- Internal memory that allows the grips to stay at last warmth level
- Thin and flexible silicone wires make them easy to install



## Heated grips (for twist throttle)

Available in an assortment of sizes, twist or thumb throttle. These Multi Adjustment heated grips will keep your hands warm even in the harshest cold weather conditions. The external controller featuring a simple dial and an LED lite background allows you to simply choose your level of temperature even at night time. The Multi Adjustment heated grips also feature a "low voltage cut off protection", this system will automatically detect the voltage of your machine and automatically shut off the heated grips if the voltage happens to fall under 12V.



# Multi Adjustment

## Heated grips (for thumb throttle)

Available in an assortment of sizes, twist or thumb throttle. These Multi Adjustment heated grips will keep your hands warm even in the harshest cold weather conditions. The external controller featuring a simple dial and an LED lite background allows you to simply choose your level of temperature even at night time. The Multi Adjustment heated grips also feature a "low voltage cut off protection", this system will automatically detect the voltage of your machine and automatically shut off the heated grips if the voltage happens to fall under 12V.



part

### AM10710F

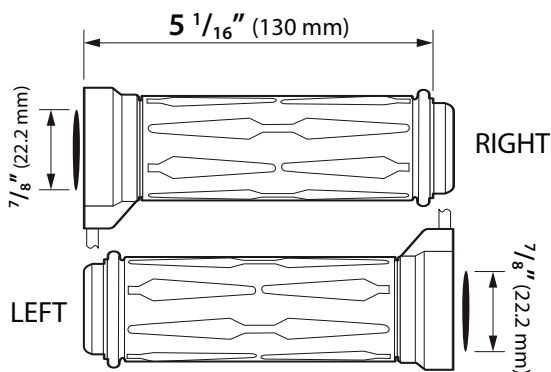
Fits L: 7/8" R: 7/8" handlebar

### AM10711F

Fits L: 7/8" R: 7/8" handlebar with heated thumb

## Specifications

- Multi adjustment controller allows you to adjust the temperature to desired comfort level
- "Short circuit protection" and "low battery cut off protection"
- Rubber material that is resistant to outdoor conditions and high temperatures
- Internal memory that allows the grips to stay at last warmth level
- Thin and flexible silicone wires make them easy to install



# 5 Level

part

## AM10703G

Fits L: 7/8" – R: 1" handlebar

## AM10706G

Fits L: 1" – R: 1 1/8" handlebar

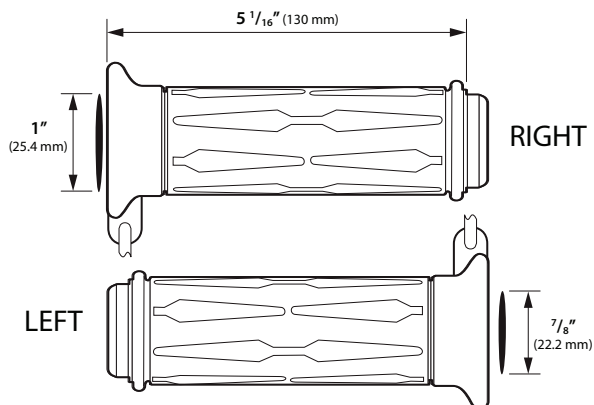
### Specifications

- 5 level temperature controller allows you to adjust the temperature to desired comfort level
- "Short circuit protection" and "low battery cut off protection"
- Rubber material that is resistant to outdoor conditions and elevated temperatures
- Internal memory that allows the grips to stay at last warmth level
- Thin and flexible silicone wires make them easy to install

### Heated grips (for twist throttle)

Also available in an assortment of sizes for motorcycles as well as ATV's and snowmobiles, these 5 level heated grips feature an external controller with 5 levels of heat to choose from. The controller features simply one button to rotate through temperature levels and 5 LED lights to indicate which level of temperature is in use.

The 5 level heated grips also feature a "low voltage cut off protection", this system will automatically detect the voltage of your machine and automatically shut off the heated grips if the voltage happens to fall under 12V.



# 5 Level

## Heated grips (for thumb throttle)

Also available in an assortment of sizes for motorcycles as well as ATV's and snowmobiles, these 5 level heated grips feature an external controller with 5 levels of heat to choose from. The controller features simply one button to rotate through temperature levels and 5 LED lights to indicate which level of temperature is in use.

The 5 level heated grips also feature a "low voltage cut off protection", this system will automatically detect the voltage of your machine and automatically shut off the heated grips if the voltage happens to fall under 12V.



part

### AM10710G

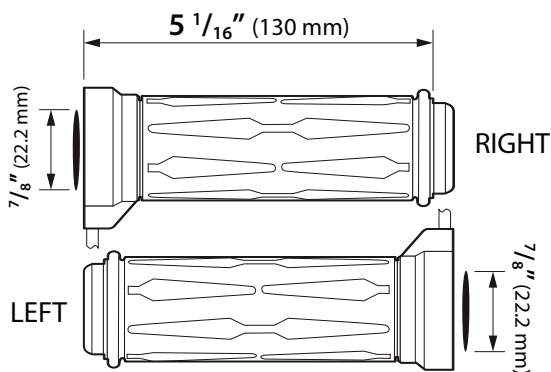
Fits 7/8" + 7/8" handlebar

### AM10712G

Fits 7/8" + 7/8" handlebar - heated thumb

### Specifications

- 5 level temperature controller allows you to adjust the temperature to desired comfort level
- "Short circuit protection" and "low battery cut off protection"
- Rubber material that is resistant to outdoor conditions and elevated temperatures
- Internal memory that allows the grips to stay at last warmth level
- Thin and flexible silicone wires make them easy to install



# Heated Wraps

new

part

## AX210000

USB (5V) power source

## AX210001

12V power source with heat controller switch (Hi, Lo & OFF)

### Specifications

- Secure Velcro attachment
- Requires 10W minimum
- Universal fit to be attached on any handlebar sizes
- Rubber material that is resistant to outdoor conditions and high temperatures
- Thin and flexible silicone wires make them easy to install

### USB power source

(Part# AX210000)



### 12V power source controller

(Part# AX210001)

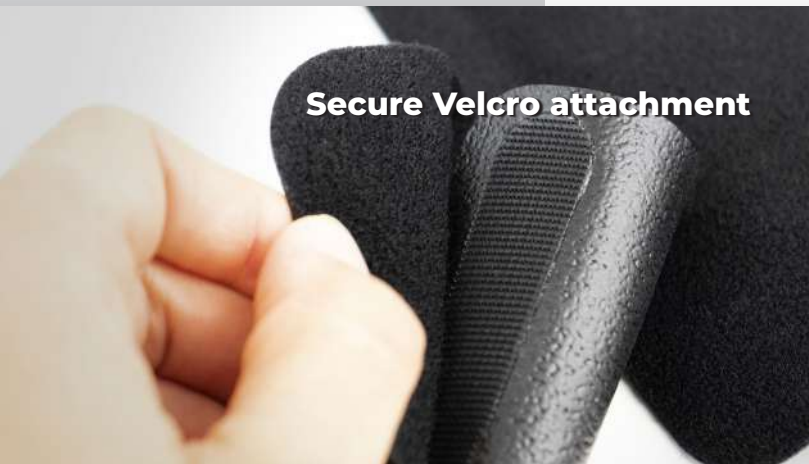


## Heated grip wraps (Universal fitment)

The heated wraps are the perfect solution for riders who crave comfort without the hassle of installing new grips. Designed to fit any motorcycle, these wraps can be securely installed or removed in a matter of seconds, making them ideal for unpredictable weather or spontaneous rides. Their small size allows you to store them in your pockets or any compartments. Just wrap them, plug them and ride!



### Secure Velcro attachment



# X-Claws

## Heated Clip-On (Universal fitment)

These heated devices are for the user that does not want to commit to changing their grips but still want to maintain the comfort of heated grips. The fitment is intended to fit all sorts of handlebar sizes. They can be installed and removed in a matter of seconds and kept in any sport bag when not in use.



part

### AX120000

USB (5V) power source

### AX1200M0

12V power source with heat controller switch (Hi, Lo & OFF)

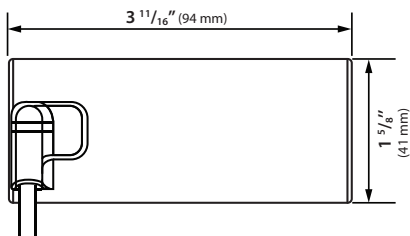
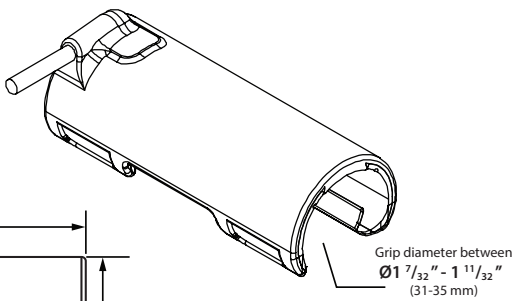
### Specifications

- Requires 10W minimum
- Universal fit to be clipped on any handlebar sizes
- Rubber material that is resistant to outdoor conditions and high temperatures
- Thin and flexible silicone wires make them easy to install

**USB power source**  
(Part# AX120000)



**12V power source controller**  
(Part# AX1200M0)



# MX-1

part

**AX1070G0**



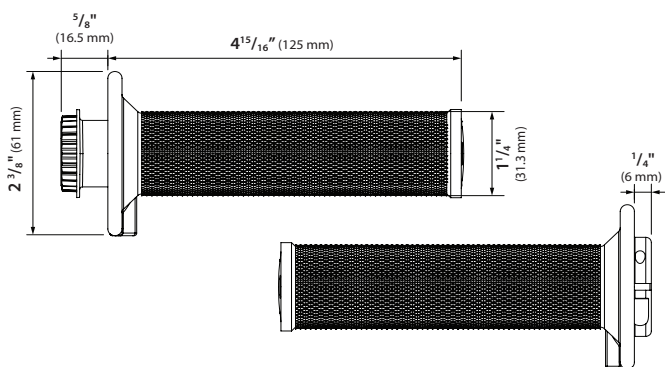
## Snowmobile / dirt bike heated grips

Designed specifically for dirt & snow bikes. The aggressive lock on diamond pattern grip made of high quality materials will be sure to keep your hands glued to the grips all while keeping them warm and comfortable at the same time.



### Specifications

- Power: require DC 14 V, 35 W of power/pair and draws 2.5 A/pair at maximum level
- Includes 2 clamp-on grips
- 5 level external controller for temperature adjustment
- Low battery cut off protection
- Internal memory that allows grips to power on at previous heat level
- Removable end caps



# HB-01

part

**AX1300M0**

## Bicycle Heated Grips (for USB power source)

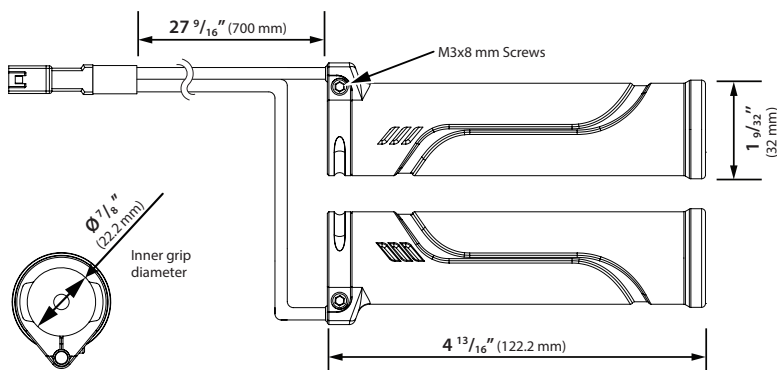
These new heated grips are designed for bicycle enthusiasts that enjoy riding their bikes during colder times. The fitment is intended to fit most standard handlebar sizes.

With the simplicity of the battery pack holder, it can be installed and removed in a matter of seconds and kept in any sports bag when not in use or for recharging. The power source is a simple connection to a USB port (5V).



### Specifications

- Easy plug and play USB power source (5V)
- Single heating level requires 10W minimum
- Universal battery pack holder to be clipped on any handlebar or frame sizes (\*battery pack not included)
- Rubber material that is resistant to outdoor conditions and high temperatures
- Thin and flexible silicone wires make them easy to install
- Switch offers 3 settings: high, low and off.
- Lo/Hi level inline switch



## End cap

part

**AM102B000K** (1.)

Short end cap

**AM106B000K** (2.)

Long end cap

These end caps are designed to fit on all of our Koso heated grips.  
\*Sold individually.



These end caps fit deeper into the handlebar offering a more secure cap.  
Will fit with any Koso heated grips.  
\*Sold individually.



## Heated grip glue

part

**AM000000** (3.)

This glue is designed to subtain cold weather and offer a firm & secure fitment for your grips.



## Heated grip controller

part

**AF003K00** (4.)

Direct replacement for your Koso heated grip controller.



## Controller Bracket

part

**XS003AF004** (5.)

This is a replacement bracket for your Koso 5 level heated grip controller.



## Specifications

- **Heating stage**  
Stage 1 (low) ~ stage 5 (high)
- **USB working voltage**  
DC 10 ~ 16 V
- **IP level**  
JIS D 0203
- **Switch size (USB-C)**  
W66.3 X L12.0 X H54.8 mm
- **Switch size (USB-A)**  
W69.5 X L14.0 X H54.9 mm
- **Effective temperature range**  
-10 ~ 60 °C
- **Light signal**
  - Stage 1 [Blue]
  - Stage 2 [Green]
  - Stage 3 [Yellow]
  - Stage 4 [Orange]
  - Stage 5 [Red]

### Fits on the following heated grips models:

AX1070G0 / AX065MG0 / AX065KG0 /  
AM10700F / AM10720F / AM10710F /  
AM10711F / AM10703G / AM10706G /  
AM10710G / AM10712G



## Thumb switch with USB-C or USB-A charger

part

### KB011000

Thumb switch (type C charger)

### KB011100

Thumb switch (type A charger)



\*Type C port



\*Type A port

Your thumb deserve the same treatment as your hands.

6.



## Heated thumb kit

part

### AM00001B (6.)



# LED lights

# Zenith

## LED headlight

Presenting the newest addition to our headlight lineup: the Zenith LED headlight. Perfect for any bike, this new universal headlight features a lightweight, durable die-cast housing and is also DOT and SAE certified. The Zenith's LED light design will not only give a great look to your motorcycle, but its powerful LED lights will also allow you to drive safely all throughout the day and night.



part

**GA030000**

### Specifications

- Brightness :
  - Low beam : 1889.00 Lumens
  - High beam : 1557.70 Lumens
- Built in die-cast housing for a durable and quality product
- \* E-mark and DOT compliant

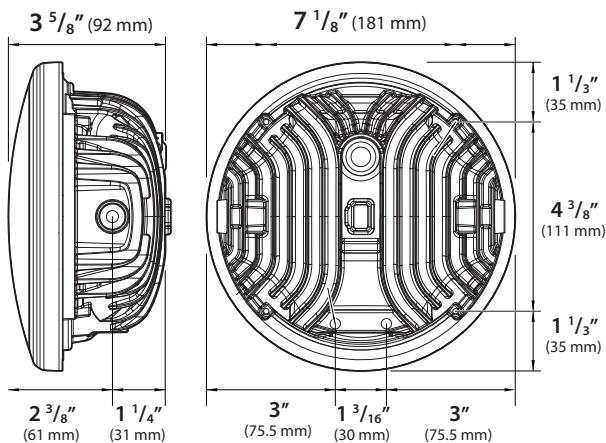
Low



High



Daytime



# Zenith

new

part

## GA030100

Baggers 1994-2013

■ Optional wire adapters

## HZ030001

For Street Glide 2014-2023

## HZ030002

For Road King 2014-2023

\*Scan the QR for fitment chart



## LED headlight for Harley-Davidson®

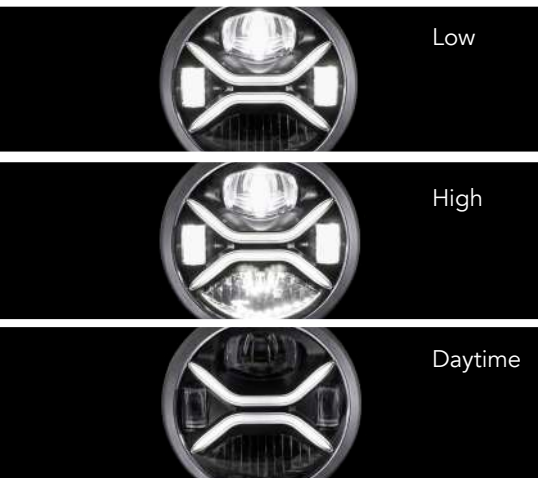
Koso's new Zenith plug and play LED headlight for Harley-Davidson featuring a built-in mounting ring for an easy installation. It is the perfect upgrade for your bike's look and safety. It features a lightweight, durable die-cast housing that will fit directly on your motorcycle and is also DOT/SAE certified.



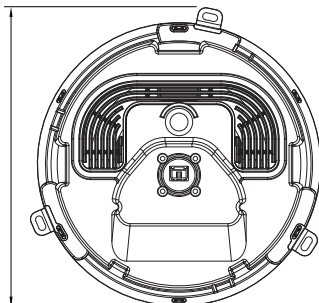
  
**PLUG N PLAY**



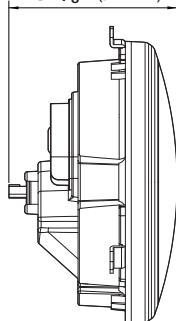
\*Included wire adapter (HZ030003)



$7 \frac{5}{16}''$   
(186 mm)



$3 \frac{5}{8}''$  (92 mm)



new

# Storm

## LED headlight (dual function)

This compact sized LED headlight has a universal connector and comes with a bracket that can be easily installed on any motorcycle. It features a lightweight and durable aluminium housing produced with CNC technology and is also SAE certified.



part

**GA035000**

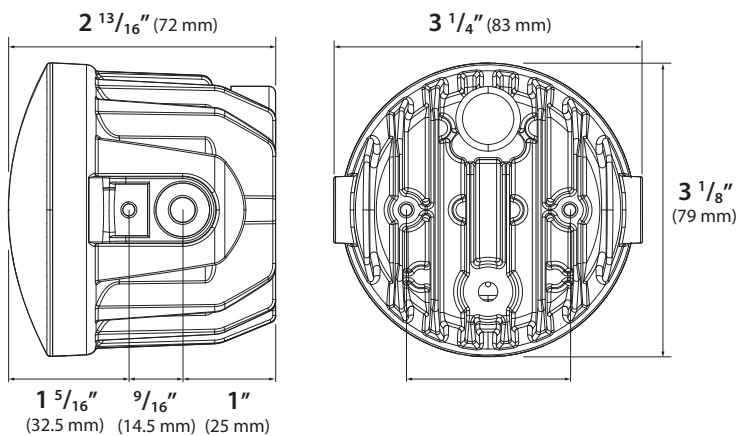
### Specifications

- **Effective voltage:** DC 10 ~ 16 V
- **Effective temperature:** -10 ~ 60°C
- **E-Mark / DOT approved**
- **Standard:** JIS D 0203
- **Power:**
  - Low beam: DC 12 / 13.6 W
  - High beam: DC 12 / 24.8 W

Low



High



# GH-01

part

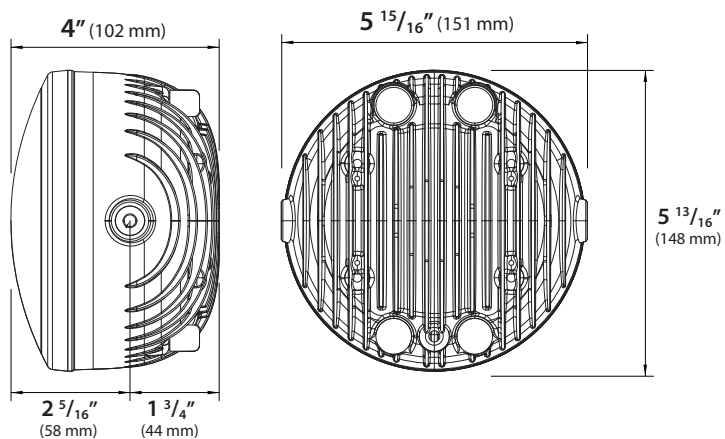
**GA034000**

## Specifications

- **Effective voltage:** DC 10 ~ 16 V
- **Effective temperature:** -10 ~ 60°C
- **E-Mark / DOT approved**
- **DRL:** DC 12 / 14.1 W
- **Power:**
  - Low beam: DC 12 / 19.9 W
  - High beam: DC 12 / 35.6 W

## LED headlight

The new GH-01 headlight can fit any motorcycle and is also DOT certified. Smaller than other products from its category, this headlight features a lightweight and durable aluminium housing produced with CNC technology. Its brightness will certainly keep you safe and illuminated all ride long.



# Thunderbolt

## LED headlight

A brighter headlight means more security, this is the reason why Koso decided to release its new Thunderbolt LED headlight. This headlight features a lightweight but durable aluminium housing and is one of the only headlights on the market today to be produced using CNC technology. This headlight is universal meaning it can fit virtually any bike and is also DOT certified.



part

**GA002000**

### Specifications

- Class D brightness level
- Brightness :
  - Low beam : 1058 lumens
  - High beam : 813 lumens
- Built in CNC made housing allowing easy installation
- \* E-mark and DOT compliant

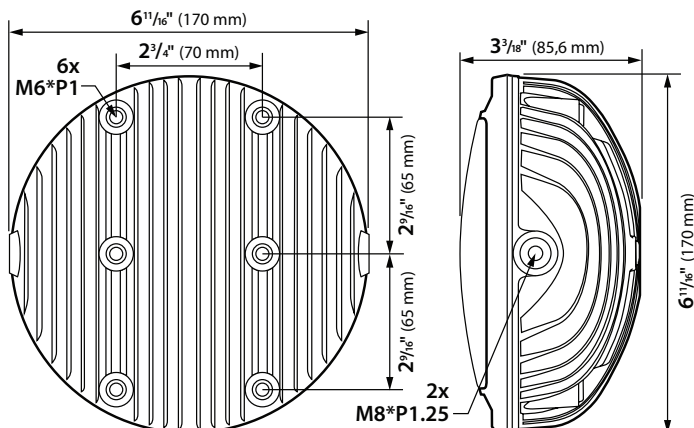
Low



High



Daytime



# Hawkeye

part

## GA004100

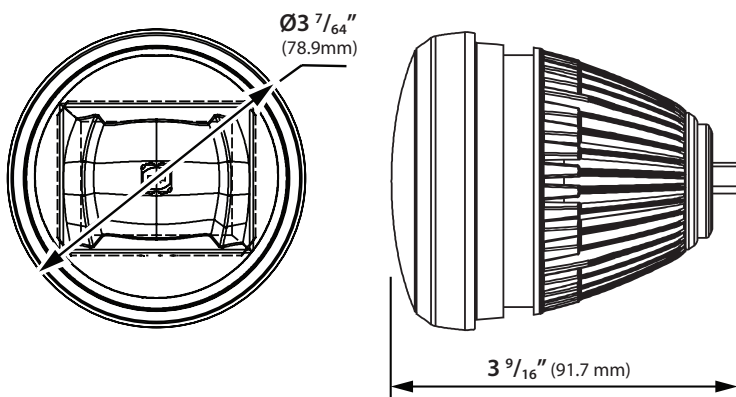
dual headlight full kit

### Specifications

- Seperate low and high beam
- Class D brightness level
- Brightness :
  - Low beam : 1058 lumens
  - High beam : 813 lumens
- Built in CNC made housing allowing easy installation
- \* E-mark and DOT compliant

## Dual LED headlights

The new Hawkeye dual headlights give an awesome custom look while providing powerful LED brightness. These headlights feature a lightweight and durable CNC aluminium housing that can be installed on virtually any application. E-Mark and DOT certified.



# Mini LED headlights

## Mini LED headlight series

Small in size but big on brightness, the new Koso Mini LED headlights series features high power LEDs that are sure to be seen by all vehicles on the road day or night. This series features different types of headlights: Low beam, high beam and fog light.



part

**GA032000** (1.)  
Low beam

**GA032100** (2.)  
High beam

**HG010000** (3.)  
Fog light

### Specifications

■ **Effective voltage:** DC 10 ~ 16 V

■ **E-Mark / DOT approved**

■ **Current draw:**

Low beam:  $0.84 \pm 0.05$  A

High beam:  $0.73 \pm 0.05$  A

Fog light:  $0.66 \pm 0.05$  A

■ **Power:**

Low beam: DC 12 / 11.2 W

High beam: DC 12 / 9.6 W

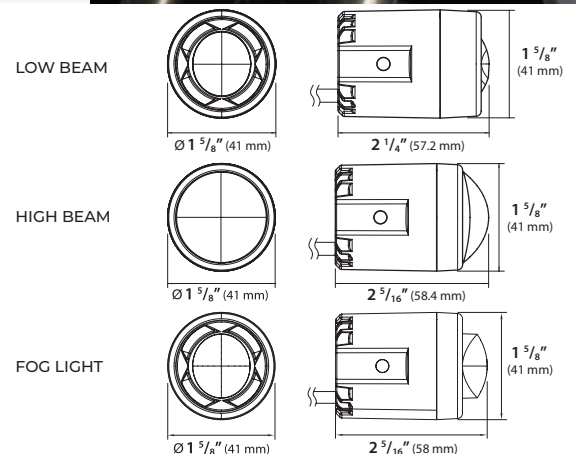
Fog light: DC 12 / 8.9 W

■ **Lumens:**

Low beam: 1129.8 lm

High beam: 968.4 lm

Fog light: 897.8 lm



# Aurora

part

**HG008001**

## Specifications

### LED fog lights

- Brightness: 420 lumens each
- Angle of pitch: +90° / +45° / 0° / -45° / -90°
- Temp range: 14 ~ 140 °F (-10 ~ 60 °C)
- Effective voltage: DC 10 ~ 16 V
- Sturdy CNC aluminum casing
- DOT & ECE compliant

### Controller

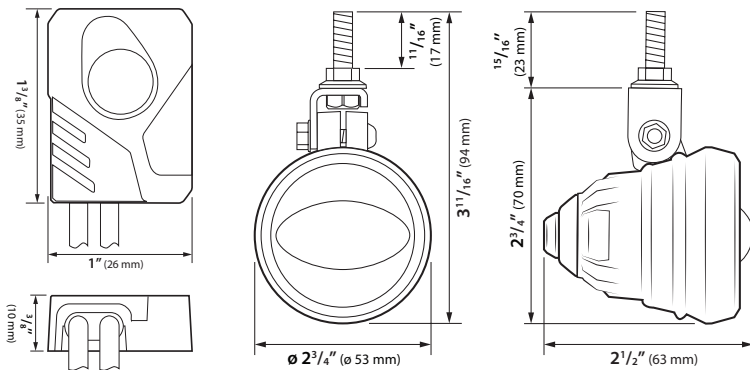
- Power: DC 12 V / 7 W

## LED fog lights

When it comes to riding motorcycle, security should definitely be a priority. This is why the use of fog lights is a must for seeing and being seen under bad weather conditions.

Lightweight, easy to install and adjustable, our Koso quality Aurora fog lights will complement your ride. The sturdy casing is made of CNC aluminum.

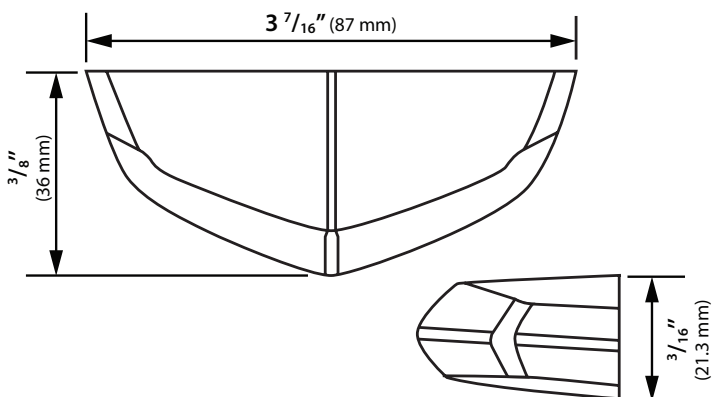
\* DOT & ECE compliant.



# GT-01

## LED taillight

The latest LED technology in the form of a taillight. Whether you are looking to bring your bikes lighting up to date or looking to set your ride apart you can rest assure Koso's Halo taillight will provide. Featuring the latest and greatest Ultra bright LED technology you can rest assure other motorists will spot you on the road all while providing a great modernized look.



part

**HB031000**

red lens

**HB031100**

smoke lens

### Specifications

- Red or smoke lens
- Halo style daytime running light
- 3 ultra-bright LED lights  
brake lights



# GT-02S

part

**HB036000**

red lens

**HB036100**

smoke lens

Daytime running light



Brake light



## X style LED taillight

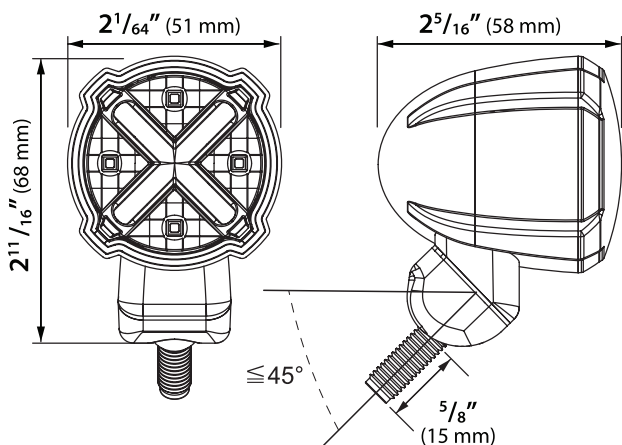
The latest LED technology in a different style taillight. This X style design will set your ride apart from any other rides on the road. The ultrabright brake LED lights will make sure you are visible for other vehicles.

Featuring the latest and greatest Ultra bright LED technology you can rest assure other motorists will spot you on the road all while providing a great modernized look.



### Specifications

- Red or smoke lens
- X pattern, halo style daytime running light
- 4 ultra-bright LED lights brake lights



new

# GT-04

## LED taillight

The new GT-04 LED taillight will give a unique look to any motorcycle with its modern design. The Ultra bright LED technology will make sure you are visible and keep you safe on the road.



part

## HB039000

clear lens

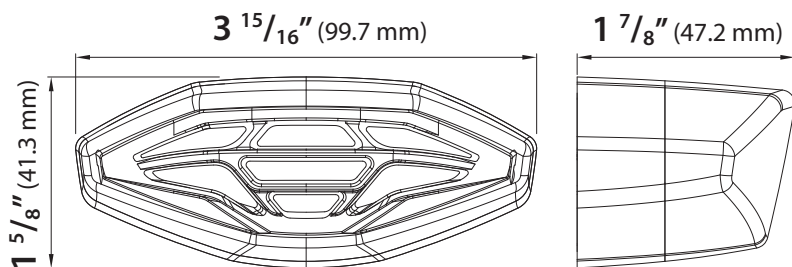
### Specifications

- Clear lens
- Multi ultra-bright LED brake lights
- Operating voltage: DC 10V - 16V
- Max withstand voltage: DC 24V < 60 seconds
- General consumption:
  - Rear position lamp: 60mA ± 20mA (tested at 13.5V)
  - Stop lamp: 400mA ± 30mA (tested at 13.5V)

■ Daytime light



■ Break light



# GT-05

new

part

## HB040000

smoke lens

### Specifications

- Smoke lens
- Multi ultra-bright LED brake lights
- Operating voltage:  
DC 10V - 16V
- Max withstand voltage:  
DC 24V < 60 seconds
- General consumption:  
Rear position lamp:  
60mA ± 20mA (tested at 13.5V)  
Stop lamp:  
400mA ± 30mA (tested at 13.5V)

#### Daytime light

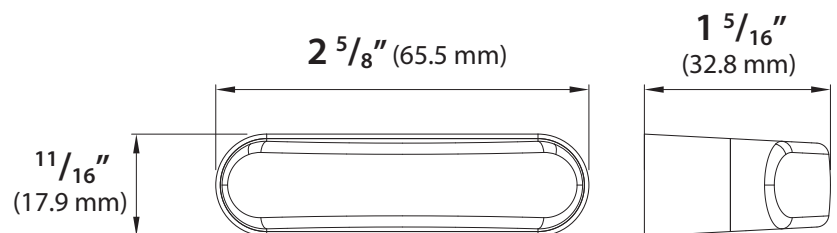


#### Break light



## LED taillight

This smaller version of the GT series will not leave you unseen! Its Ultra bright LED technology will make people notice you on the road and give a classic look to your bike.



new

# GT-06

## LED taillight

Stay safe and stylish with Koso's new LED taillight. Built with the latest Ultra bright LED technology on the market, its brightness and design will make you stand out on the road while being very easy to install.

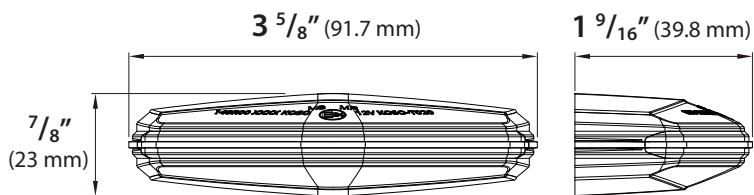
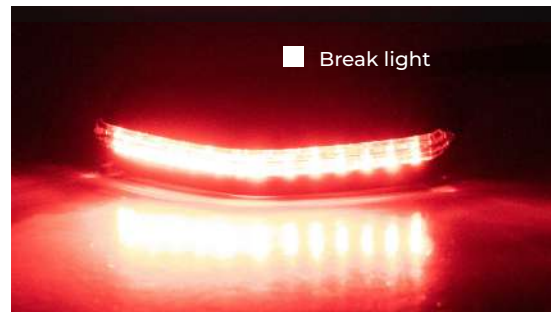
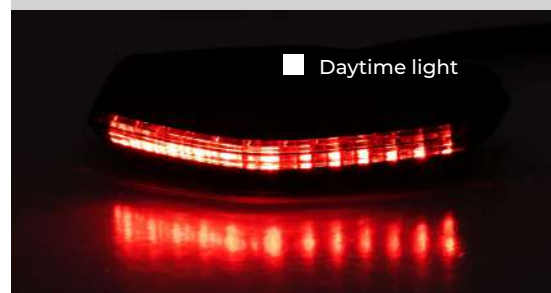
part

## HB041000

red lens

### Specifications

- Red lens
- Multi ultra-bright LED brake lights
- Operating voltage: DC 10V - 16V
- Max withstand voltage: DC 24V < 60 seconds
- General consumption:  
Rear position lamp: 10mA ± 5mA (tested at 13.5V)  
Stop lamp: 160mA ± 30mA (tested at 13.5V)



# GT-07

new

part

**HB042000**

red lens

**HB042100**

smoked lens

## Specifications

- Red and smoked lens
- Ultra-bright LED brake lights
- Operating voltage: DC 10V - 16V
- Max withstand voltage: DC 24V < 60 seconds
- General consumption:  
Rear position lamp: 25mA ± 10mA (tested at 13.5V)  
Stop lamp: 120mA ± 30mA (tested at 13.5V)

### Daytime light

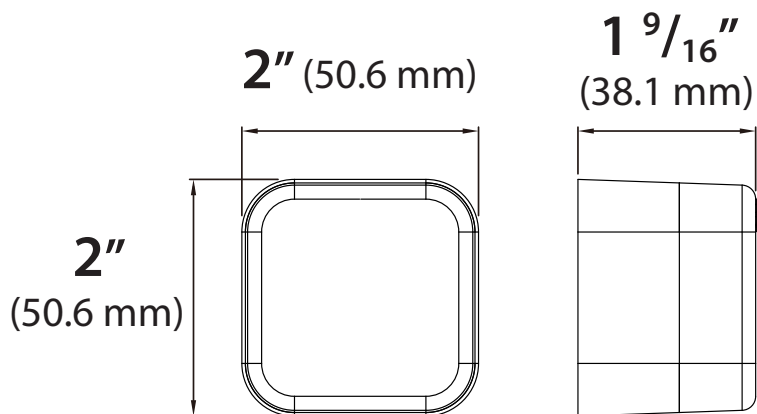


### Break light



## LED taillight

This square-shaped brake light will give an unconventional and unique look to your motorcycle! Coming in either red or smoked lens, the new GT-07 ultra-bright LED lights will increase your visibility instantly and provide you with style.



# Infinity

## LED taillight

Set your motorcycle apart using the Koso Infinity taillight. Available with red or smoke lens, its 6 ultra-bright LED lights will increase your visibility. This taillight also has a license plate light which makes it better. Affordable and easy to install, this is a must to customize your motorcycle or scooter.

part

**HB025020**

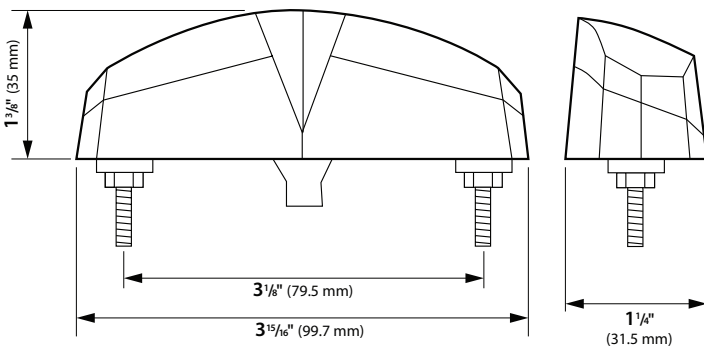
red lens

**HB025010**

smoke lens

### Specifications

- 6 ultra-bright LED lights
- License plate light
- Red or smoke lens



# Nano

part

**HB026000**

red lens

**HB026010**

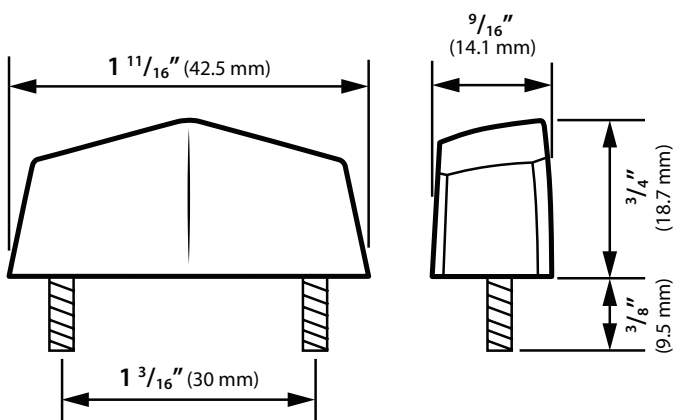
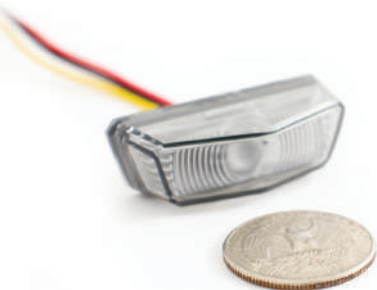
smoke lens

## Specifications

- 1 ultra-bright LED light
- Red or smoke lens

## LED taillight

Our Nano brake light is probably one of the smallest, brightest and lightest taillights on the market. Its ultra-bright LED is made to increase the rear visibility and allow you to ride safely. Its compact shape makes it perfect for all naked bikes and for those who like minimal accessories. Affordable and simple to install, this Nano taillight will certainly enhance the look of your ride!



## LED taillight

The Hawkeye taillight is a micro high power LED that also features a license plate light. This taillight may be small however the ultra-bright LED makes it extremely visible during day or night. Universal fitment designed to fit any application.



part

**HB034000**

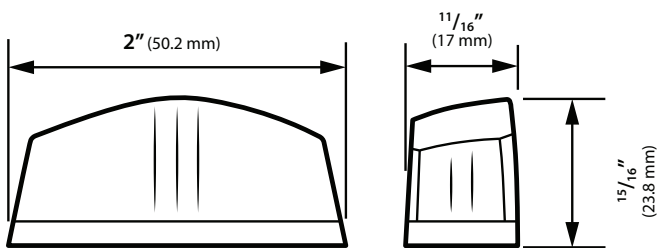
red lens

**HB034010**

smoke lens

### Specifications

- Dual function
- 1 ultra-bright LED light
- License plate light
- Red or smoke lens



# Solar

part

**HB035020**

red lens

**HB035010**

smoke lens

## Specifications

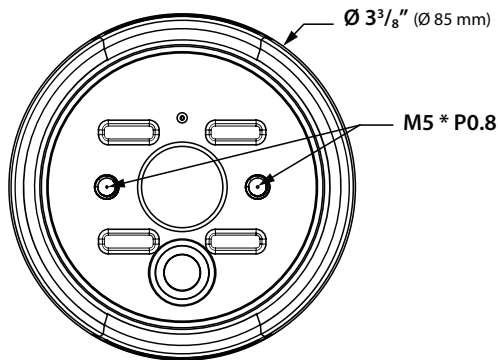
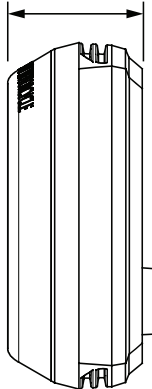
- Red or smoke lens
- DOT & SAE approved

## LED taillight

The Koso Solar LED taillight is a great way to modernize the look of your bike. Keeping with the classic circular shell, this taillight is powered by ultra-bright LED's that enable you to be more visible on the road. DOT and SAE approved, this taillight is sure to enhance the look of your bike all while keeping you safer at the same time.



1 7/16" (37 mm)



new

# Aura

## LED license plate light

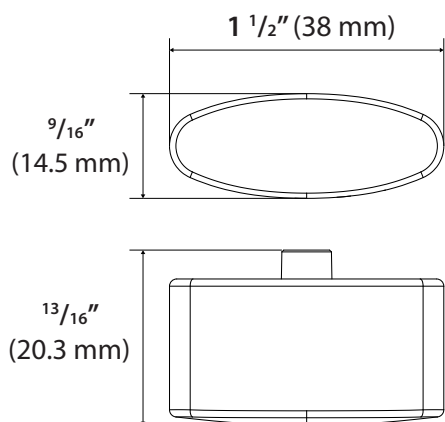
Compliment your bike's customization with this easy to install and versatile LED licence plate light. The Aura's discrete design and DOT compliance light will keep your licence plate illuminated while giving a slick look to any bike.

part

**HD013000**

### Specifications

- Range: DC 10 ~ 16 V
- Max voltage: DC 24 V < 60 sec
- DOT compliant
- General consumption:  
50mA ± 20mA (tested at 13.5V)



# Blade

part

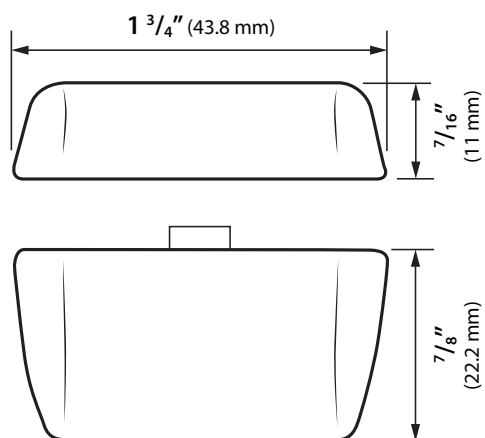
**HD008000**

## Specifications

- Range: DC 10 ~ 18 V
- Max voltage: DC 24 V < 60 sec
- DOT compliant

## LED license plate light

Our constant desire to add new products to our accessory line has pushed us to develop a small, compact and easy to install license plate light. Its specifications, quality components and Ultra-bright LED light are the reasons behind its DOT compliance. This item is a must to customize your motorcycle at a low cost.ok.



# Nano

## Nano LED brake light

Small in size but big on brightness, the Koso Nano LED brake light features high power LEDs that are sure to be seen by all vehicles on the road day or night.

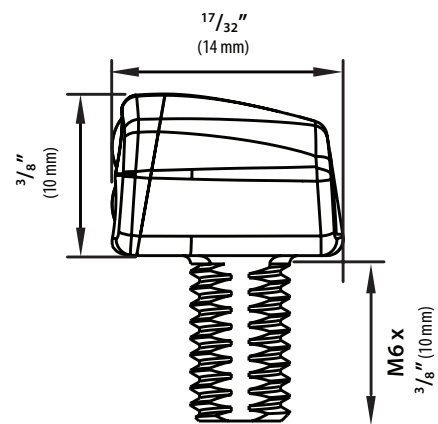
part

### HE041200

brake light (single)

### Specifications

- Thread size M6
- Micro size for a clean install
- High power LED



# Knight

part

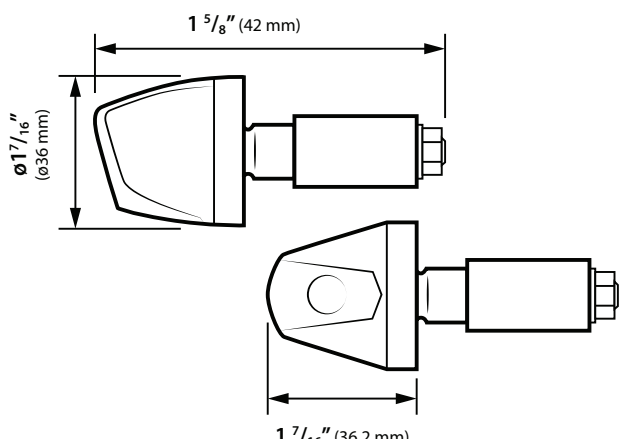
**HE033013**

## Specifications

- 1 hi-power LED light
- Amber LED
- Smoke Lens
- Soft stem design
- M8 thread
- Sold per set of 2

## LED bar ends & indicator lights

Our Knight end bar marker lights use a high power LED light that will allow you to be more visible to other drivers. When connected to a flasher relay, this aftermarket light could be used in addition to your existing turn signal. The high quality material and modern design of this product will help provide a unique presence on the road.



# Electro

## LED indicator lights

The Koso Electro sequential LED indicator is a great addition to any bike regardless of the make or style. The sequential indicator powered by five high powered LEDs provides modern style as well as blinding brightness to keep you safe on the road regardless of whether it's day or night.



part

**HE037021**

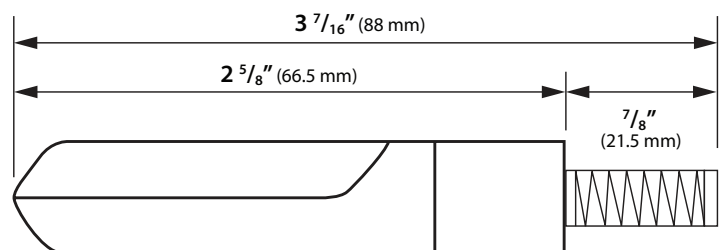
Amber

**HE037011**

Smoke

### Specifications

- 5 high power ultra-bright LED lights
- Aluminium shell
- Available in clear or amber lens
- Soft stem design
- M8 threading
- Sold as pair



# Z5

part

## HE053001

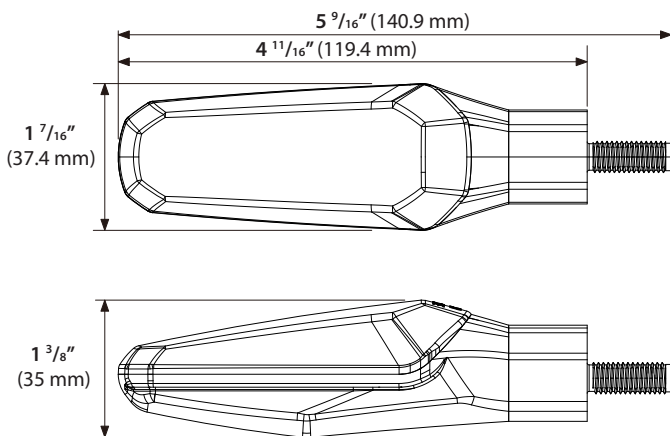
Smoked

### Specifications

- Smoked lens
- DOT approved
- Operating voltage:  
DC 10V - 16V
- Max withstand voltage:  
DC 24V < 60 seconds
- Current consumption:  
180mA ± 20mA (tested at 13.5V)
- Amber LEDs
- Sold as a set of 2

### LED indicator lights

The new Z5 LED indicator lights will give a unique look to your bike. Its advanced lens optics and amber colored LEDs will provide you with an extremely bright signal light to keep you safe all day long.



# GW-02

## LED indicator lights

The Koso new GW-02 sequential LED indicator gives any bike a style statement. The sequential indicator powered by five high powered LEDs provides modern style as well as blinding brightness to keep you safe on the road regardless of whether it's day or night.

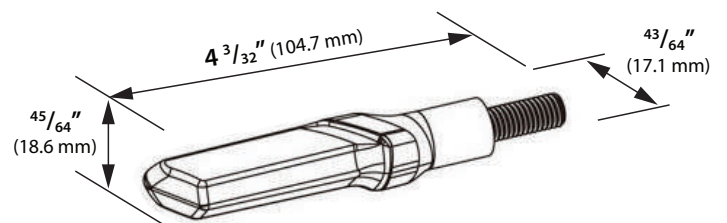
part

**HE044000**

Smoke

### Specifications

- Dynamic (sequential) indicator
- 5 high power ultra-bright LED lights
- Aluminium shell
- Smoke lens
- Soft stem design
- M8 threading
- Sold as pair



# Nuovo

part

## HE032010

smoke lens

## HE032020

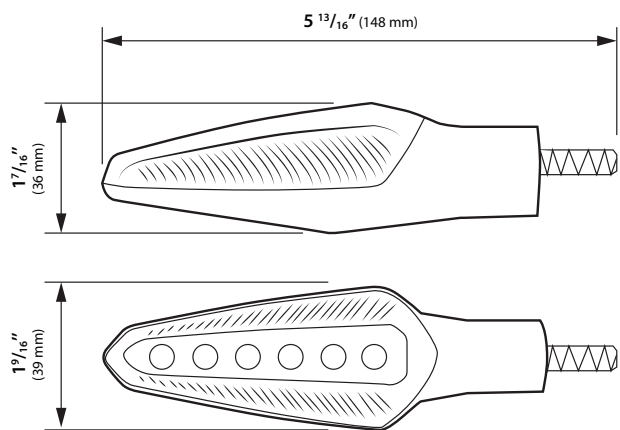
amber lens

### Specifications

- 6 ultra-bright LED lights
- Amber LED's
- Amber or smoke Lens
- Soft stem design
- M8 thread
- Sold per set of 2
- DOT, SAE & E-mark approved

### LED indicator lights

The Koso Nuovo LED indicator lights are a great way to modernize the look of your bike without straying away from the OEM appearance. Sold in a pair of two, DOT and SAE certified. These indicators feature 6 ultra-bright LEDs per indicator to keep you safer and more visible when changing lanes.



# GW-04

## LED indicator lights

Powered by five bright LED's, the new Koso GW-04 sequential LED indicator lights will keep you safe on the road and give your bike a modern look!

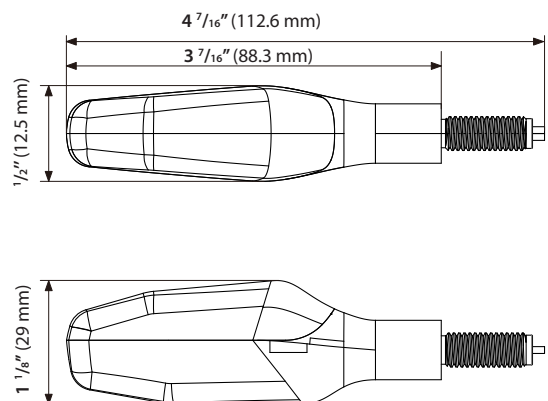
part

**HE051001**

Clear

### Specifications

- Dynamic (sequential) indicator
- 5 high power ultra-bright LED lights
- Aluminium shell
- Clear lens
- Soft stem design
- M8 threading
- Sold as pair



# Unlimited

part

**HE015K14**

matte black

**HE015S12**

silver

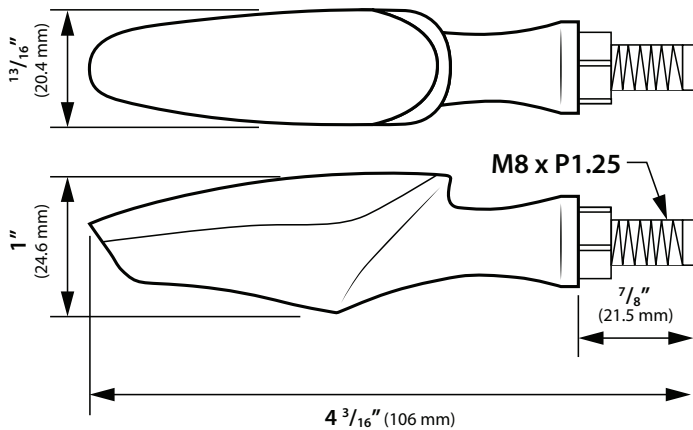
## LED indicator lights

Koso's Unlimited LED indicator lights use 5 ultra-bright amber LED lights to increase visibility. Sold in pairs and available in matte black, silver or chrome, they are perfect to customize your motorcycle at low cost. A simple change, for a better look!



### Specifications

- 5 ultra-bright LED lights
- Amber LED
- Clear lens
- Soft stem design
- M8 thread
- Sold per set of 2



# Infinity

## Dual LED indicator lights

Koso's Infinity LED indicator lights are available in 2 models. The DUAL function is a brake light & indicator light. It is used for the rear end; the other is a SINGLE indicator light function for the front end. They are built with 2 ultra-bright LED, one is RED as the brake light and the other is AMBER as the indicator light. Having a hi-power LED brake light into the indicator light will increase the visibility of the motorcycle and make it easier to see for other drivers. The Infinity dual hi-power LED are not only made for a better look, but they will also provide more safety!



part

**HE030011**

smoke lens / single function

**HB030011**

smoke lens / dual function

**HE030001**

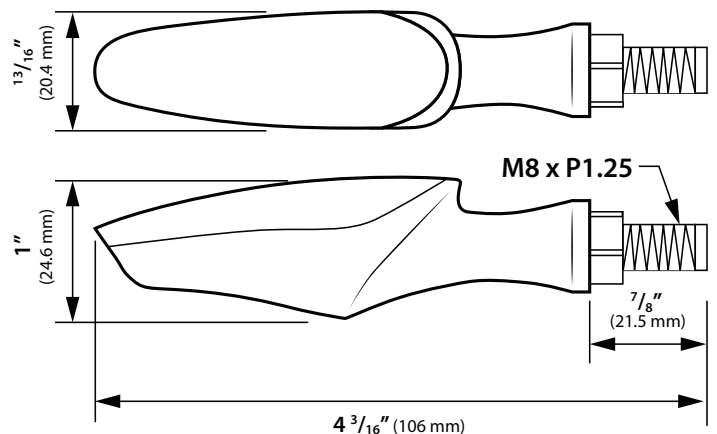
clear lens / single function

**HB030001**

clear lens / dual function

## Specifications

- 2 hi-power ultra-bright LED lights
- Amber and red LED
- Clear or smoke Lens
- Dual and single function
- Soft stem design
- M8 thread
- Sold per set of 2



# Jet

part

## HE101K30

matte black / smoke lens

## HE101K20

matte black / clear lens

## HE101S10

silver clear lens

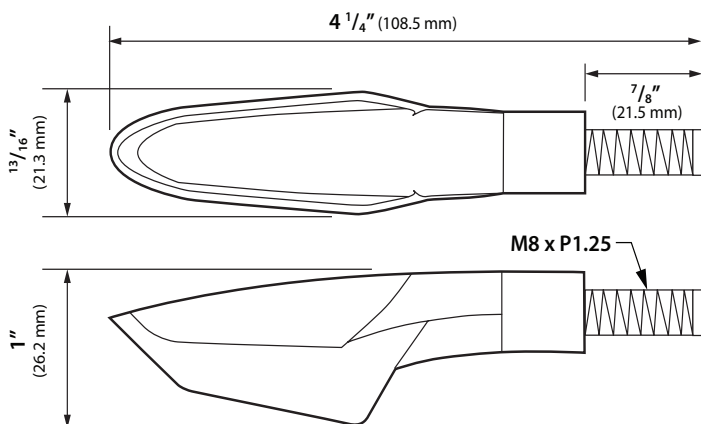
## LED indicator lights

Koso's Jet LED indicator lights use the new High-power LED technology. In fact, it is so bright that it uses only 1 light for an ultra-bright luminosity. Sold in pair and available in matte black or silver, they are perfect to change the look of motorcycle without any hassle. A simple change for a better look!



## Specifications

- 1 hi-power ultra-bright LED light
- Amber LED
- Clear or smoke lens
- Soft stem design
- M8 thread
- Sold per set of 2



# Mars

## LED indicator lights

The Mars LED indicator lights use the new High-power LED technology. In fact, it is so bright that it uses only 1 light for an ultra-bright luminosity. Sold in pair and available in matte black or silver, they are perfect to change the look of motorcycle without any hassle. A simple change for a better look!



part

**HE103K11**

matte black / smoke lens

**HE103K01**

matte black / clear lens

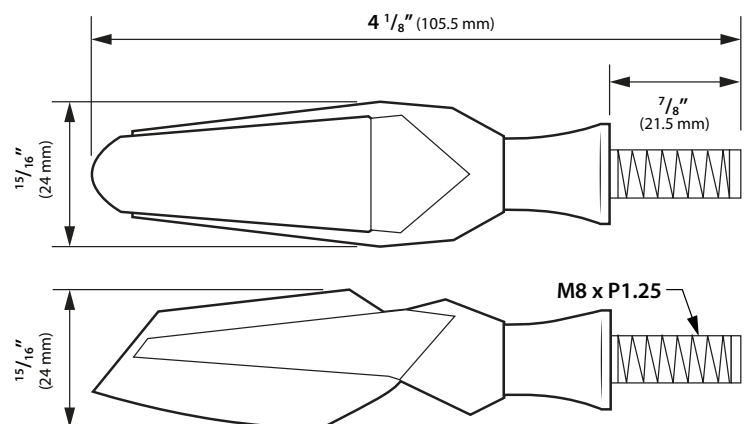
**HE103S01**

silver clear lens



## Specifications

- 1 hi-power ultra-bright LED light
- Amber LED
- Clear or smoke lens
- Soft stem design
- M8 thread
- Sold per set of 2



# Cyclone

part

## HE049101

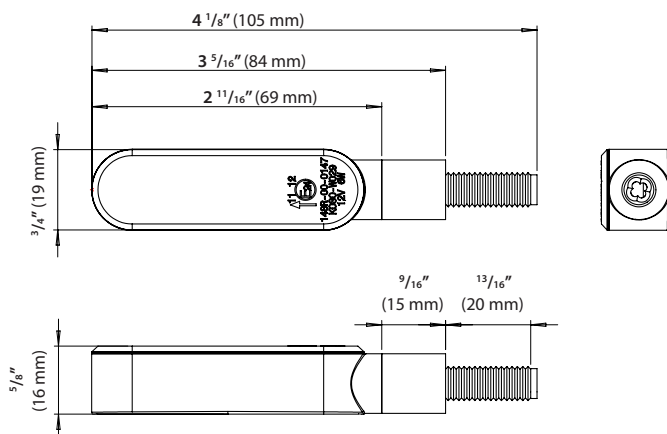
Smoke

### Specifications

- Sequential indicator (multi-LED)
- Amber LED
- Available in smoke lens
- Single function
- Soft control
- M8 threading
- Sold as pair

## Sequential LED indicator lights

Regardless of whether it's day or night, the new Cyclone sequential LED indicator lights will keep you safe and more visible when changing lanes. Sold as a pair, its 10 high powered LEDs and classical round shape will provide you the security needed while customizing your motorcycle.



new

# Cabin light

## LED cabin light

Designed with a compact size and simple wiring, the Koso cabin light can be easily installed and blended into any setup: Scooter seat storage, UTV rooftops and much more! This small but powerful LED light is ideal for any tight spaces or cabins where light matters most.



part

**HJ901000**

### Specifications

- Lens color: Clear
- Range: DC 10 ~ 16 V
- Operating temp. range: -10 ~ 60°C
- Light color: White
- Waterproof rating: IPX4
- Dimensions: 43.2 x 25.2 x 14.6 mm
- Weight: 19 g



**With 3M tape**  
(Part# HJ901001)



**With vertical mounting holes**  
(Part# HJ901100)



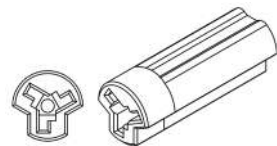
# Blinker wire adapters

part

**BO021053** (1.)  
Yamaha

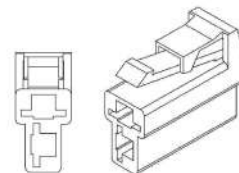
\*All our winker wires are sold as a pair

1.



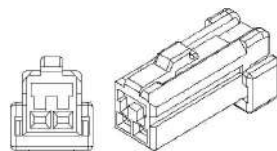
**BO021101** (2.)  
Yamaha MT-09

2.



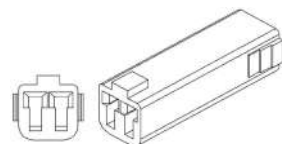
**BO021071** (3.)  
Harley-Davidson

3.



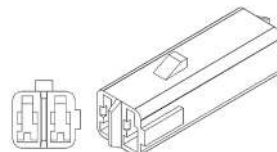
**BO019022** (4.)  
Suzuki

4.



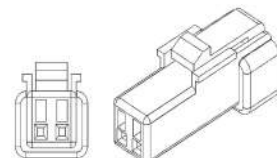
**BO021005** (5.)  
Kawasaki

5.



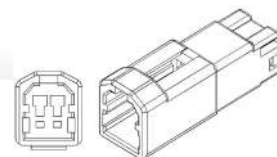
**BO021091** (6.)  
MV

6.



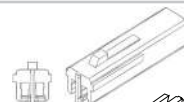
**BO021061** (7.)  
Ducati

7.



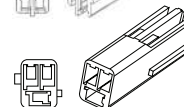
**BO021006** (8.)  
Honda

8.



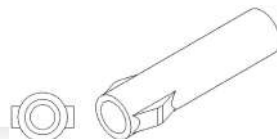
**BO021163** (9.)  
Honda Grom 2014+

9.



**BO021081** (10.)  
Triumph

10.



A close-up photograph of a motorcycle's handlebar area. The focus is on the right side, showing a black plastic mirror mounted on a long, adjustable arm. Below the mirror is the right handlebar grip, which is black and textured. A turn signal indicator is mounted on the end of the handlebar, and it is illuminated with a bright orange light. The background is slightly blurred, showing wooden pallets and a grey wall. The word "Mirrors" is written in white, bold, sans-serif font, underlined, in the upper right quadrant of the image.

# Mirrors

# Sprint

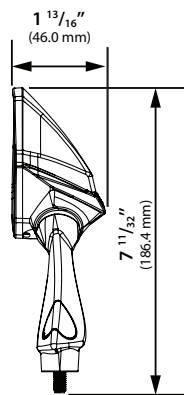
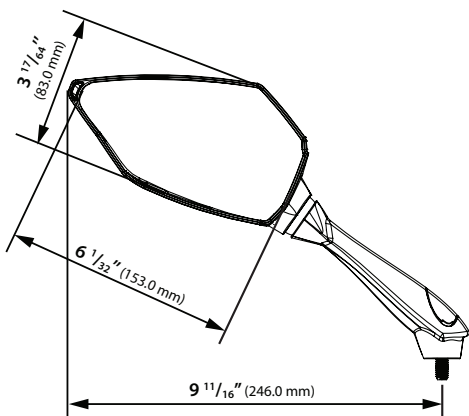
part

**SA000003**

Black shell / Clear lens

## Mirrors

Large display replacement mirrors that add style to your ride. Our New Sprint Style mirrors will give a unique look to your motorcycle! These mirrors fit M8 and M10 size with black matte stem and shell.



# Apex

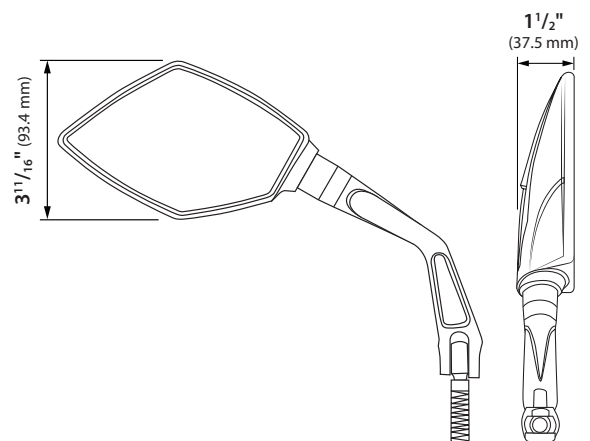
## Mirrors

The new Apex mirrors combine look and functionality. You want something different? These mirrors will give a unique look to your motorcycle! Available in M10 size with black matte or carbon look shell.

part

**SB000010**

Matte black shell / Clear lens



# TT-Style

part

**OA016CS0** (1.)  
Carbon look shell / Clear lens

**OA016CK2** (2.)  
Carbon look shell / Clear lens

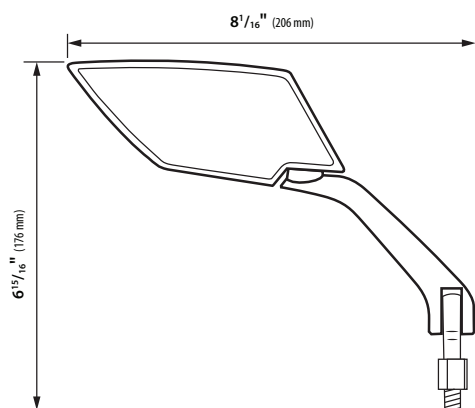
**OA016CS6** (3.)  
Carbon look shell / Blue lens

**OA016CK6** (4.)  
Carbon look shell / Blue lens

**OA016KS0** (5.)  
Black matte shell / Clear lens

## Mirrors

Our TT Style universal mirrors will change the style of your bike for good. Available in M10 size with carbon look or matte black shell.



### Specifications

- Carbon look shell
- Clear lens
- Silver stem

1.



### Specifications

- Carbon look shell
- Blue lens
- Silver stem

3.



### Specifications

- Carbon look shell
- Clear lens
- Black stem

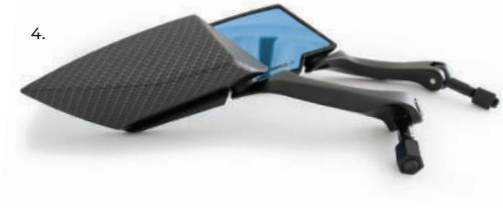
2.



### Specifications

- Carbon look shell
- Blue lens
- Black stem

4.



### Specifications

- Black matte shell
- Clear lens
- Silver stem

5.



# Devils Style

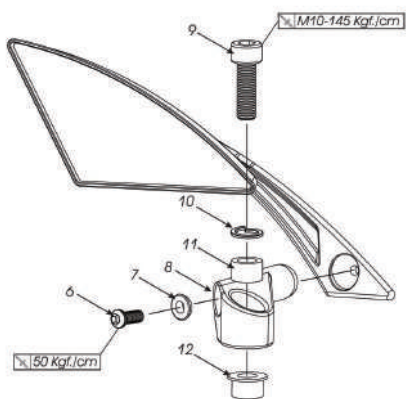
part

**OA018CK1**

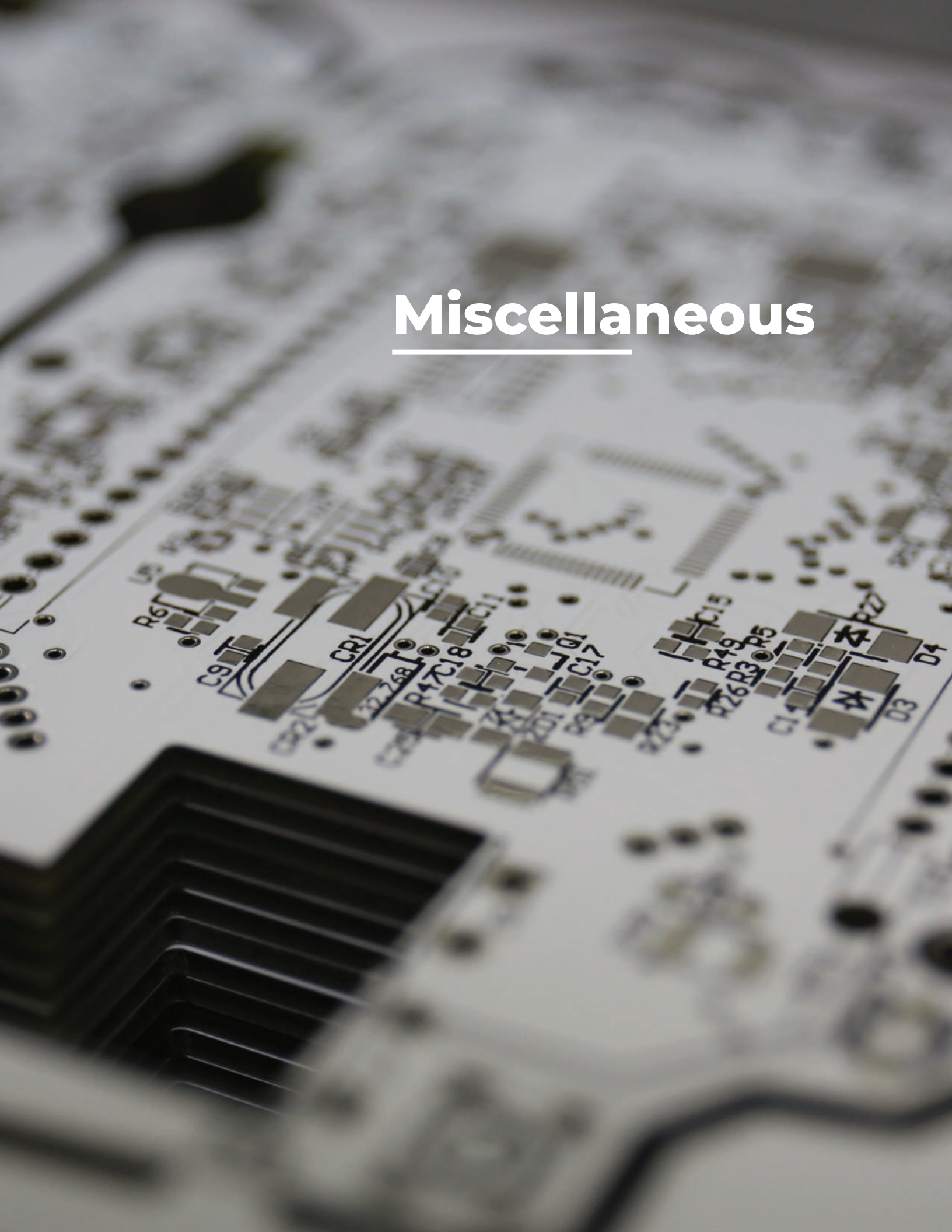
Carbon look shell / Clear lens

## Mirrors

Get a modern look to your bike with our Devils Style universal mirrors. Available in M10 size with carbon look shell.



# Miscellaneous



# X1

part

**QR004010**

regular size smartphone

**QR004000**

larger size smartphone

new

## Smartphone bracket

Koso X1 smartphone bracket is the most well thought-out and easy to use accessory on the market. It has a mechanical style and is designed to adjust multiple ways, such as; length, height, depth and width, which makes this bracket suitable for any smartphone even those with thick cases.

Easy adjustable screws, located on the back, lock the desired positioning securely into place. Most importantly, the top clamp is designed to allow you to insert and remove your smartphone easily by simply pulling it upwards.

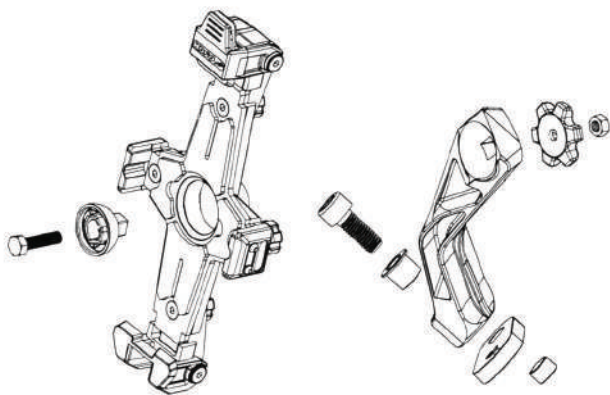
\* Fits from 7/8" to 1 1/4" Handlebar.



(R = Range U= Unit)

## Specifications

- Six-way adjustable
- Quick release & lock function design
- Allowing user to find best position by free adjustable & rotating in 360°
- Thread size : M8 or M10
- **Regular size smartphone bracket:**  
Min size : length 4<sup>15</sup>/<sub>16</sub>" (126 mm) x 2<sup>1</sup>/<sub>4</sub>" (57 mm) wide x 5<sup>5</sup>/<sub>16</sub>" (7 mm)  
Max size : length 6<sup>11</sup>/<sub>16</sub>" (170 mm) x 3<sup>1</sup>/<sub>8</sub>" (80 mm) wide x 9<sup>5</sup>/<sub>16</sub>" (14 mm)
- **Large size smartphone bracket:**  
Min size : length 5<sup>1</sup>/<sub>2</sub>" (140 mm) x 3<sup>13</sup>/<sub>16</sub>" (72 mm) wide x 5<sup>5</sup>/<sub>16</sub>" (7 mm)  
Max size : length 7<sup>5</sup>/<sub>16</sub>" (186 mm) x 3<sup>1</sup>/<sub>2</sub>" (91 mm) wide x 9<sup>5</sup>/<sub>16</sub>" (16 mm)



# Armor

part

## QR005000

5.0"-7.2" cell phones

## Armor Inductive Charger Phone Mount

The new Koso Armor phone mount is the companion you need on your upcoming adventures. Its adjustable screws can suit any smartphone size, even those with thick cases.

Its inductive charger allows you to charge your device without any connection or wire to extend the longevity of your phone's battery in an efficient way. The visor is also part of a well thought out innovative design that the Armor will bring for a clear view of your phone screen.

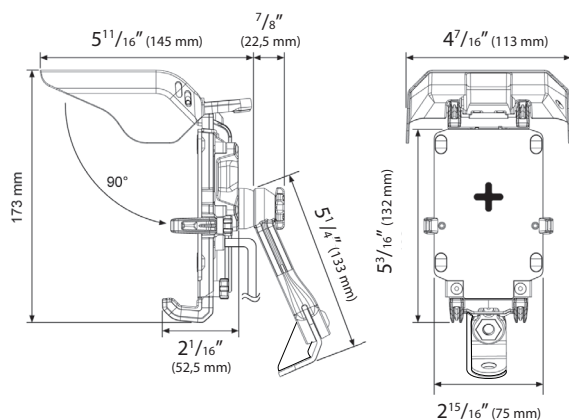


(R = Range U= Unit)



## Specifications

- **Working voltage**  
Voltage Range : DC12.5 ~ 16 V
- **Effective temperature range**  
-10 ~ 60 °C
- **IP Level**  
JIS D 0203
- **Size**  
110 x 85 x 199 mm
- **Weight**  
± 336 g
- **Phone size length**  
length 70~96mm / width 125~ 195mm /  
high 0~ 14mm
- **Charging protocol**  
Qi-5w / Qi-10w / Qi-15w / Apple 7.5w /  
Samsung 10w



# USB-ports

new

part

## KW016100

Universal dual port  
single quick charge  
(USB-C+A port)

## KW016101

dual port single quick  
charge (USB-C+A port)  
for Harley-Davidson

## KW016200

Universal USB-C port

## KW016201

USB-C port  
for Harley-Davidson

## Quick charge USB adapters

From dual to single port (USB-A or C), this new serie of USB-ports can be easily installed at any location on your motorcycle. They are also equipped with a rubber cap that will protect the port from any damages. Choose between the universal or Harley-Davidson version and keep your devices charged all ride long.



(R = Range U= Unit)

### ■ Dual port kits



### ■ Single port kits



## Specifications

### ■ Output specifications

5V / 3A  
9V / 2A (input voltage > 10.5V)  
12V / 1.5A (input voltage > 13.5V)  
Single fast charge: Type C & A are  
simultaneously at 5V / 3A (max)

### ■ Effective temperature range

Storage temp: -4 ~ 176 °F (-20 ~ 80 °C)  
Working temp: 14 ~ 140 °F (-10 ~ 60 °C)

### ■ IP level

IP54

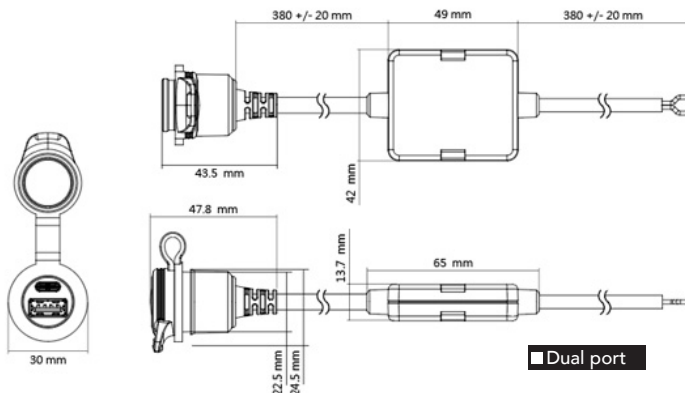
### ■ Rubber cover to protect the USB port

### ■ Operating voltage

DC 10V - 16V

### ■ Charging protocols

PD2.0/3.0 - PPS - APPLE 2.4A - QC4+ -  
AFC - FCP - SCP - PE2.0/1.1



## Quick charge USB-C and USB-A adapter

These new USB-C and USB-A adapters allow you to plug your GPS, smartphone or any other devices to keep them charged. Designed to be easily installed at any location on your motorcycle, these adapters are also equipped with a rubber cap that will protect the port from any damages.



(R = Range U= Unit)

### Specifications

- **Output specifications**  
5V ± 0.25V / 3A  
9V ± 0.25V / 2A (input voltage > 10.5V)  
12V ± 0.25V / 1.5A (input voltage > 13.5V)
- **Effective temperature range**  
Storage temp: -4 ~ 176 °F (-20 ~ 80 °C)  
Working temp: 14 ~ 140 °F (-10 ~ 60 °C)
- **IP rating**  
IP66
- **Rubber cover to protect the USB port**
- **Operating voltage**  
DC 10V - 16V
- **Max withstand voltage**  
DC 24V < 60 seconds
- **Quick charge 4,0+ (type C port) & quick charge 3,0 (type A port)**

part

**KW014010**

USB-C port

**KW015010**

USB-C and USB-A port

■ USB port protector



■ USB-C & USB-A port



■ USB-C port



# Type C charger

part

**KW011000**

## Type C charger

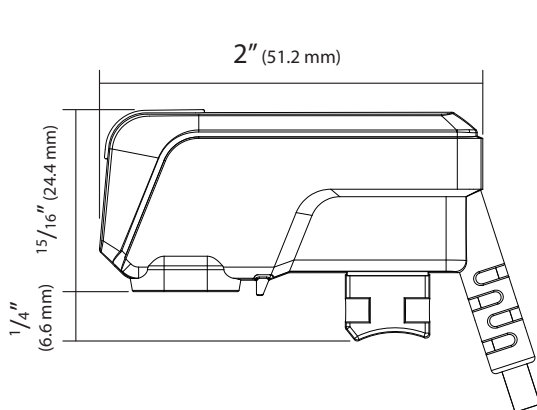
Charge your device all ride long with our new USB-C charger adapter. Whether it's a GPS, smartphone or any other small electronic device, our adapter will keep them charged up to complete the task. This product is also equipped with a dust cover to protect the USB port from being damaged.



(R = Range U= Unit)

### Specifications

- **Output specifications**  
DC 5V/3A, DC 9V/2A (When input power is over 10.5V), 12V/1.5A (When input power is over 13.5V)
- **Charging protocols**  
PD2.0/3.0 | PPS | APPLE 2.4A | QC4+ | AFC | FCP | SCP | PE2.0/1.1
- **Indicator light**  
on when charging / flashing < 11.5V
- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **2 clamp size included & a dust cover**



# USB-C port

part

**KW005001**

## USB-C adapter

Our USB-C adapter is the newest addition to our line of USB adapters. Whether it's a GPS, smartphone or any other small electronic device that uses this newer technology, our adapter will draw just enough energy from your ride's power source to complete the task.

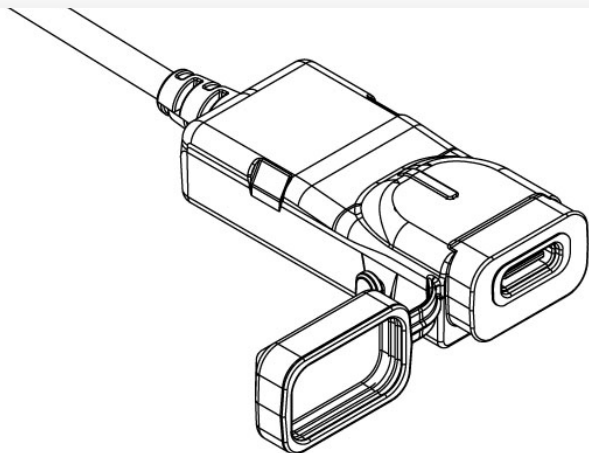
This USB-C adapter is designed to quickly and efficiently charge your device and can be installed at any location on you ride with it's included bracket.



(R = Range U= Unit)

### Specifications

- Output specifications support USB-C type only  
DC 5V/3A 9V/2A 12V/1.5A
- Short-circuit protection
- Single port
- Over-heat protection
- Indicator light  
on when charging / flashing < 11.5V
- 3 clamp size included:  
7/8" - 1" - 1 1/8"
- Effective temperature range  
14 ~ 140 °F (-10 ~ 60 °C)



# USB-port

part

**K0012000**

## Quick charge dual USB adapter

Our quick charge dual USB adapter provides you with the possibility of charging your precious devices quickly. Whether it's a GPS, smartphone, tablet or any other small electrical device, our dual USB adapter is designed to be installed at any location on you ride since the charging device and the USB output are two separate item.



(R = Range U= Unit)

### Specifications

- Output specifications support 3.0 power-charging DC 5V/ 3A 9V/2A 12V/1.5A
- Effective temperature range 14 ~ 140 °F (-10 ~ 60 °C)
- Dual port
- Short-circuit protection
- Can charge up to 2 iPads simultaneously
- Over-heat protection



# USB-port

part

**K0009000**

## Universal single USB adapter

Keep your devices charged and ready to go at all times with the Koso USB charger. The simple yet durable design of this USB charger allows it to be mounted virtually anywhere you please.



(R = Range U= Unit)

### Specifications

- 2 Amps
- Single port
- Can charge any USB device
- 12V DC powersource
- Short-circuit protection
- Over-heat protection



# USB-port

part

**K0008000**

## Dual USB adapter for Harley-Davidson®

Our dual USB adapter exclusively made for Harley-Davidson® models provides you with the possibility of charging your precious devices while riding. Whether it's a GPS, smartphone, tablet or any other small electronical device, our dual USB adapter provides you with the worry free feeling of knowing your devices will always be charged no matter where the road takes you!



(R = Range U= Unit)

### Specifications

- 2 Amps
- Dual port
- Can charge up to 2 iPads simultaneously
- Direct fit for HD
- Short-circuit protection
- Over-heat protection



# USB-port

part

**K0008110**

## Universal dual USB adapter

Technology and the devices we use in today's world follow us everywhere we go. Our dual USB adapter now provides you with the possibility of charging those precious devices while riding. Whether it's a GPS, cellphone or any other small electrical device, our dual USB adapter provides you with the worry free feeling of knowing your devices will always be charged no matter where the road takes you!



(R = Range U= Unit)

### Specifications

- 2 Amps
- Dual port
- Can charge up to 2 iPads simultaneously
- Universal fit
- Short-circuit protection
- Over-heat protection



## Transmission sensor

part

**BF620000** (1.)

## Transmission speed sensor for Harley-Davidson®

Built to replace your old OEM transmission sensor, our speed sensor is made from durable material and will function perfectly on your Harley-Davidson®.



## Fin type temp sensor

part

**BF024000** (2.)

### Specifications

- 10mm W x 25mm L
- 0 ~ 250 °C



## Speed signal converter C

part

**BF580001** (3.)

**BF580011** (4.)  
JST waterproof connector



## Speed signal converter D

part

**BF580000** (5.)

**BF580010** (6.)  
JST waterproof connector



## GPS

part

**KK000001** (7.)  
complete kit

## GPS signal converter kit

Some applications require different alternatives from the conventional speed sensor that is installed on the wheel. Whether it is a question of appearance (for those who do not want wires to be visible), or a question of functionality, this GPS speed signal converter offers more installation options, such as; cars, boats, snowmobiles, and many others! Its 66 satellite antenna will capture the GPS signal, and the converter will transfer it into a pulse signal that will communicate with the speedometer. A simple, yet versatile accessory that is the future of GPS speed signal converters!



This Adjustable RPM Signal Filter helps to stabilize bouncy RPM reading on your gauge.

### Specifications

- Adjustable  
R: 0 to 100 k $\Omega$



## Adjustable RPM signal filter

part

**BO035000** (1.)

This RPM Signal Filter helps to stabilize bouncy RPM reading on your gauge.

2.



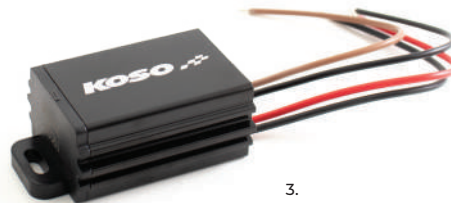
## RPM signal filter

part

**BG004000** (2.)

### Specifications

- Input voltage  
R: AC/DC 12 ~ 30 V
- Output voltage  
R: 15 ~ 30 V
- Maximum load  
6 W (0.5 A)



## AC/DC converter

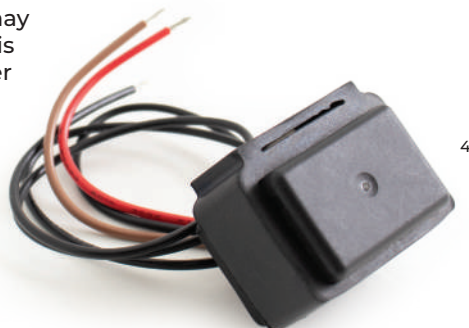
part

**BL000010** (3.)

Once you install LED indicators, the resistance is very small compare to the original flashers. The flashers may or may not flash normally. Avoid this problem by using our simple flasher relay.

### Specifications

- One relay for all 4 LED indicator lights



## LED flasher relay

part

**KD006030** (4.)

## Temperature sensor

### Specifications

- Temperature R: 32 ~ 482 °F (0 ~ 250 °C)
- Resistance 10 k $\Omega$



#### **BF030125**

P 1/8 (BSP) x28

#### **BF100100**

M10 x P 1.0

#### **BF100125**

M10 x P 1.25

#### **BF120125**

M12 x P 1.5

#### **BF140125**

M14 x P 1.25

#### **BF140150**

M14 x P 1.5

#### **BF160150**

M16 x P 1.5

#### **BF180150**

M18 x P 1.5

## Temperature sensor

### Specifications

- Temperature R: 32 ~ 482 °F (0 ~ 250 °C)
- Resistance 50 k $\Omega$
- JST waterproof connector



#### **BF030000**

P 1/8 (BSP) x28

#### **BF100000**

M10 x P 1.0

#### **BF100001**

M10 x P 1.25

#### **BF120000**

M12 x P 1.5

#### **BF140000**

M14 x P 1.25

#### **BF140001**

M14 x P 1.5

#### **BF160000**

M16 x P 1.5

#### **BF180000**

M18 x P 1.5

### Specifications

- Wideband
- Bosch LSU 4.2 (square port)
- Bosch LSU 4.9 (oval port)



### Bosh O2 Sensor

part

**28-BOSCH** (1.)  
LSU 4.2

**28-LSU49** (2.)  
LSU 4.9

### Specifications

- M18 x P1.5



### O2 Sensor adapter

part

**BG001813** (3.+4.+5.)  
3pcs kit

**BG001800** (3.)  
Sensor Bung

**BG001801** (4.)  
Sensor Bung cap

**XT001BG812** (5.)  
Aluminum washer

### Specifications

- for 2 stroke engine



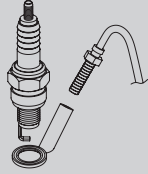
### 2 stroke adapter O2 Sensor

part

**BG001855** (6.+7.)  
2pcs kit

**XT001BG812** (5.)  
Aluminum washer

## Cylinder head temperature sensor



### Specifications

- Temperature  
R: 32 ~ 482 °F (0 ~ 250 °C)
- \* JST waterproof connector

### K1001R11

10 mm

### K1001R15

14 mm



### Specifications

- Temperature  
R: 32 ~ 482 °F (0 ~ 250 °C)

### K1001R10

10 mm

### K1001R14

14 mm



### Specifications

- Temperature  
R: 32 ~ 248 °F (0 ~ 150 °C)

### K1000R10

10 mm

### K1000R14

14 mm



## Water hose adapter

### Specifications

- \* Sensor not included



### BG014B01

14mm

### BG016B01

16mm

### BG018B01

18mm

### BG022B01

22mm

### BG026B01

26mm

### BG028B01

28mm

### BG030B01

30mm

### BG032B01

32mm

### BG034B01

34mm

### BG036B01

36mm

### BG038B01

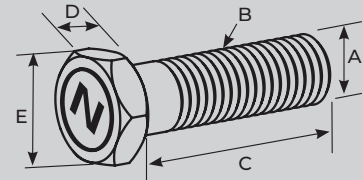
38mm

To replace an existing bolt to pickup rotation signal for your speed.



## Hexagone magnet screw

	A	B	C	D	E	Torque
<b>BF010500</b>	5/16"	P18 lpi	0.716"	3.85 mm	12 mm	8 ft/lbs
<b>BF010510</b>	M5	P0.8 mm	8.8 mm	4.00 mm	12 mm	2 ft/lbs
<b>BF010630</b>	M6	P1.0 mm	7.6 mm	5.00 mm	12 mm	4 ft/lbs
<b>BF010610</b>	M6	P1.0 mm	19.7 mm	3.85 mm	12 mm	4 ft/lbs
<b>BF010600</b>	M6	P1.0 mm	24 mm	3.85 mm	12 mm	4 ft/lbs
<b>BF010820</b>	M8	P1.25 mm	18.6 mm	3.9 mm	12 mm	9 ft/lbs
<b>BF010830</b>	M8	P1.25 mm	23.6 mm	3.9 mm	12 mm	9 ft/lbs
<b>BF010800</b>	M8	P1.25 mm	29 mm	3.9 mm	12 mm	9 ft/lbs



## Specifications

■ Sensor not included

### BG241215

M12 x P1.5 x 15 L

### BG241412

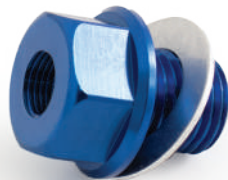
M14 x P1.25 x 15 L

### BG281415

M14 x P1.5 x 15 L

### BG301615

M16 x P1.5 x 15 L



### BG301815

M18 x P1.5 x 15 L

### BG302010

M20 x P1.0 x 15 L

### BG302015

M20 x P1.5 x 15 L

## Oil drain plug adapter

## EGT sensor standard response

part

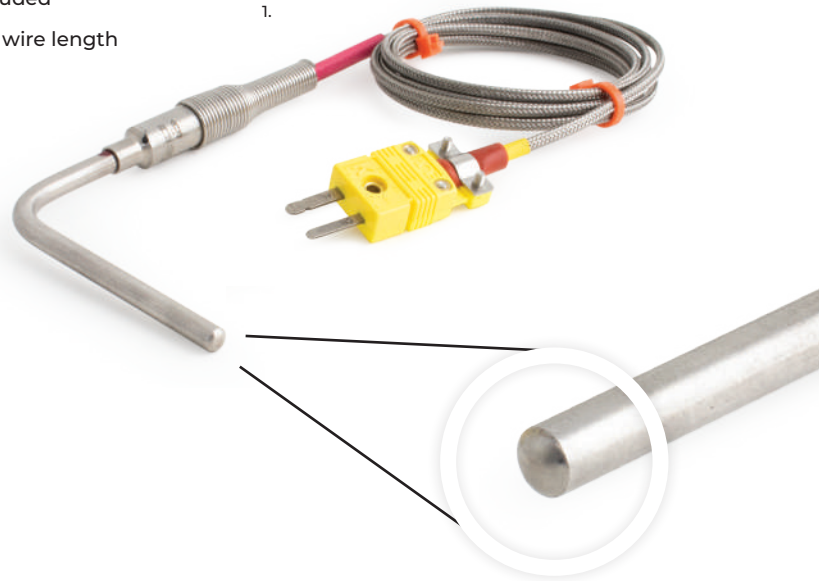
**28-CKTYPE9** (1.)



■ Clamp included

### Specifications

- Standard response
- Clamp included
- 66" sensor wire length



## EGT sensor fast response

part

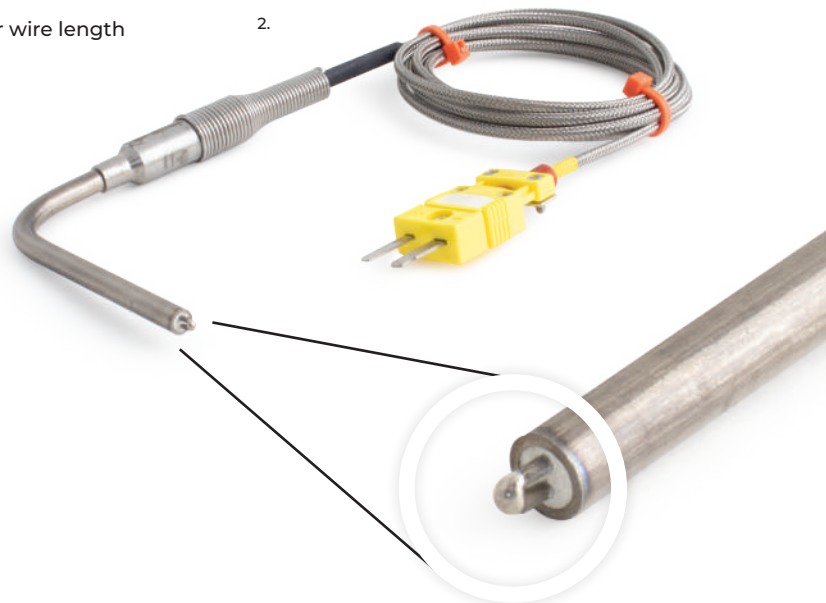
**28-CKTYPEX** (2.)



■ Clamp included

### Specifications

- Fast response
- Clamp included
- 66" sensor wire length



### Specifications

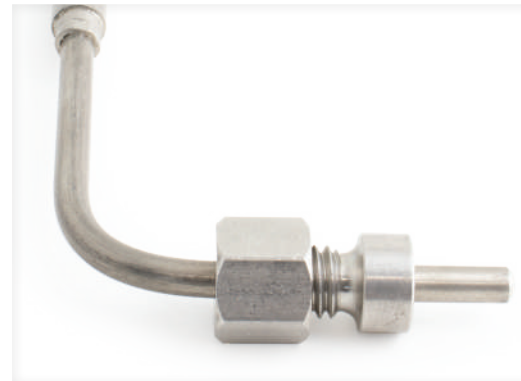
- for standard or fast response sensor
- Bung only
- Stainless steel



### EGT weld on bung

part

**BI520099** (3.)



### Specifications

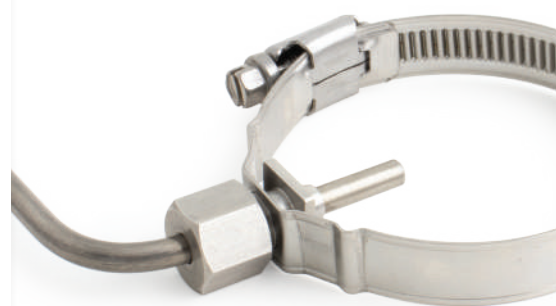
- for standard or fast response sensor
- Clamp only



### EGT clamp

part

**BI520001** (4.)  
40 - 60 mm



## Active speed sensor

### Specifications <sup>(1.)</sup>

- Requires any metal surface for pulse
- Standard connector

**BF640006**

± 78" (2,000 mm)



### Specifications <sup>(2.)</sup>

- Requires any metal surface for pulse
- JST waterproof connector

**BF640J06**

± 78" (2,000 mm)



## Passive speed sensor

### Specifications <sup>(3.)</sup>

- Requires a magnet for pulse
- Standard connector

**BF019002**

± 53" (1,350 mm)

**BF019005**

± 68" (1,750 mm)

**BF019006**

± 78" (2,000 mm)

**BF019275**

± 108" (2,750 mm)



### Specifications <sup>(4.)</sup>

- Requires a magnet for pulse
- JST waterproof connector

**BF019J02**

± 53" (1,350 mm)

**BF019J06**

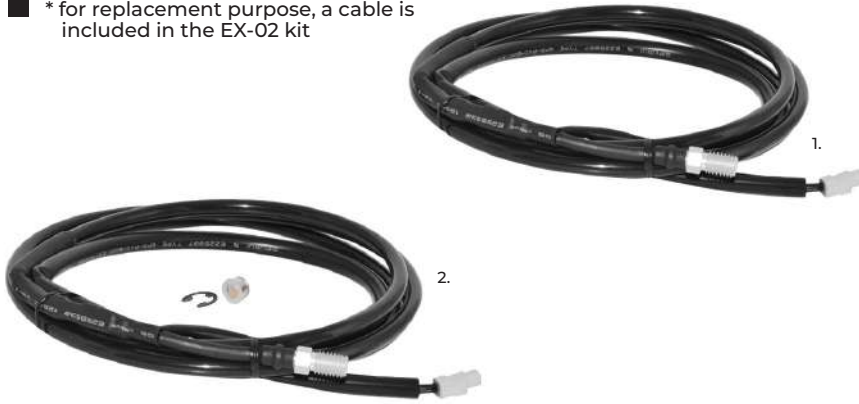
± 78" (2,000 mm)



These hard cables are designed specifically to connect your Koso EX-02 meter to your ride.

### Specifications

- fits the Koso EX-02 Enduro gauge
- \* for replacement purpose, a cable is included in the EX-02 kit



## Speed sensor for EX-02 Enduro

part

**BF200000** (1.)  
Japanese applications

**BF200020** (2.)  
KTM application

Koso has develop two connectors to make your life easier when installing your RX-3 on a Honda GROM® or on a Honda MONKEY® . We have a plug and play harness dedicated for each specific application.

### Specifications

- 2 models



## RX-3 Plug & play harness

part

**BZ001000** (3.)  
for Honda Grom®

**BZ001001** (4.)  
for Honda Monkey®



## RX-4 bracket for Yamaha XSR 700

part

**BE081000** <sup>(1.)</sup>

For Yamaha XSR 700 (2015-2021)

This RX-4 bracket fits perfectly with the Yamaha XSR 700. For all year models..



## RX-4 bracket for Yamaha XSR 900

part

**BE081010** <sup>(2.)</sup>

For Yamaha XSR 900 (2016-2021)

This RX-4 bracket fits perfectly with the Yamaha XSR 900. For all year models.



## RX-4 bracket for Yamaha MT-09 (2013-2016)

part

**BE081020** <sup>(3.)</sup>

For Yamaha MT-09 (2014-2016)

This RX-4 bracket fits perfectly with the Yamaha MT-09. For 2013-2016 year models only.



### Specifications

- for TNT Gauges only



### Bracket for TNT Gauges

part

**BE035000** (4.)  
For TNT Meters

Bolt relocation meter bracket for  
Yamaha Bolt® and Yamaha scambler

### Specifications

- Fits ONLY Koso TNT-B meter for  
Yamaha Bolt® & Yamaha SRC 950



### Relocation meter bracket for Yamaha Bolt® & SRC 950

part

**B0051000** (5.)  
For Yamaha Bolt® & SRC 950

Bolt relocation meter bracket kit for  
Yamaha Bolt®

### Specifications

- Fits ONLY Koso DL-04B meter for  
Yamaha Bolt®



### Relocation bracket kit for DL-04B meter (Yamaha Bolt® )

part

**BE077000** (6.)  
For Yamaha Bolt®

Bracket for Super Slim, Mini, Mini 3, Mini  
4 and Proton style gauges.

### Specifications

- Fits ONLY Super Slim, Mini, Mini 3, Mini 4  
and Proton style gauges



### Bracket for Super Slim, Mini, Mini 3, Mini 4 and Proton style meters

part

**BE006S00** (7.)  
Bracket

# Index

## 1 Gauges

---

RX-5.....	2
<b>NEW</b> RX-4 gauges.....	4
RX-3S.....	12
RX-3.....	14
MS-01 gauges.....	16
RS-2.....	20
DL-04 for BMW R nine T.....	22
DL-04B for Yamaha Bolt®.....	23
DL-04.....	24
Pro 1.....	25
DB-03R.....	26
DB-02.....	28
DB-02R.....	30
DB-01RN.....	32
DB-01R+.....	33
<b>NEW</b> Mini 5.....	34
<b>NEW</b> EX-02 gauges.....	35
<b>NEW</b> XR-01G.....	40
XR-01.....	42
XR-01S.....	43
DL-03A.....	44
DB-03SR.....	46
X-2.....	47
EGT-02R EVO.....	48
EGT-02 EVO.....	50
EGT-01.....	51
Super slim touch.....	52
Mini4 IFR.....	53
Mini4.....	54
Mini3.....	56
Proton.....	58
Super slim style.....	60
I-Gear.....	62
RX-2N.....	64
RX-2NR.....	66

CNC.....	67
TNT-05.....	68
TNT-B.....	74
TNT-04.....	76
TNT-01R.....	78
TNT-01.....	80
DL Style.....	81
DL-01.....	82
DL-02R.....	83
GP-Style.....	84
<b>NEW</b> HD-03X.....	86
HD-03.....	88
HD-03L.....	90
HD-02.....	92
<b>NEW</b> D2 for Harley Davidson®.....	96
HD-Oil dipstick.....	104
<b>NEW</b> DL-04HD for Harley Davidson®.....	105
HD-04.....	106
HD-05.....	108
HD-01S.....	110
HD-01R.....	111
Gear indicator.....	112
Indicator light display.....	113

## 114 Heated Equipment

---

<b>NEW</b> Heated steering wheel.....	116
Artemis.....	117
<b>NEW</b> Titan-II.....	118
Titan.....	119
Titan-X.....	120
Titan-S.....	121
Apollo.....	122
Multi Adjustment.....	124
5 Level.....	126
<b>NEW</b> Heated wraps.....	128
X-Claws.....	129
MX-1.....	130
HB-01.....	131
Short end cap.....	132
Long end cap.....	132
Heated grip glue.....	132

Heated grip controller .....	132
Controller Bracket .....	132
Thumb switch USB-C & USB-A.....	133
Heated thumb kit.....	133

## 134 LED Lights

---

Zenith (headlight) .....	135
<b>NEW</b> Zenith for Baggers (headlight).....	136
Storm (headlight).....	137
GH-01 (headlight).....	138
Thunderbolt (headlight).....	139
Hawkeye (headlight).....	140
Mini LED headlights series.....	141
Aurora (headlight).....	142
<b>NEW</b> GT series (taillights) .....	143
Infinity (taillight).....	149
Nano (taillight).....	150
Hawkeye (taillight).....	151
Solar (taillight) .....	152
<b>NEW</b> Aura (licence plate).....	153
Blade (licence plate) .....	154
Nano (brake light).....	155
Knigh (indicators).....	156
Electro (indicators) .....	157
Z5 (indicators) .....	158
GW-02 (indicators) .....	159
Nuovo (indicators).....	160
GW-04 (indicators).....	161
Unlimited (indicators) .....	162
Infinity (indicators) .....	163
Jet (indicators).....	164
Mars (indicators) .....	165
Cyclone (indicators).....	166
<b>NEW</b> Cabin light .....	167
Winker wire adapters.....	168

## 169 Mirrors

---

Sprint.....	170
Apex.....	171

TT-Style .....	172
Devils Style .....	174

## 175 Miscellaneous

---

<b>NEW</b> X1.....	176
Armor.....	177
<b>NEW</b> USB-port (Type C & Type A & C) .....	178
Type C charger .....	180
USB-C-port .....	181
USB-port QC .....	182
USB-port.....	183
USB-port (H-D).....	184
USB-port (universal) .....	185
Transmission sensor .....	186
Fin type temperature sensor.....	186
Speed signal converter C.....	186
Speed signal converter D.....	186
GPS.....	186
Adjustable RPM signal filter .....	187
RPM signal filter.....	187
AC/DC converter .....	187
LED flasher relay.....	188
Temperature sensor.....	188
Temperature sensor.....	188
Bosh O2 Sensor.....	189
O2 Sensor adapter .....	189
2 stroke adapter O2 Sensor .....	189
Cylinder head temperature sensor .....	190
Water hose adapter .....	190
Hexagone magnet screw.....	191
Oil drain plug adapter .....	191
EGT sensor.....	192
EGT weld on bung.....	193
EGT clamp.....	193
Active speed sensor.....	194
Passive speed sensor.....	194
Speed sensor for EX-02 Enduro .....	194
RX-3 Plug & play harness.....	195
RX-4 brackets.....	196
Optional brackets.....	197



**KOSO**   
NORTH AMERICA

Visit our website to view over 300 great products and accessories!

[www.kosonorthamerica.com](http://www.kosonorthamerica.com)



### Contact Us

Order : 1 877 777-0604

Tech. : 450 359-0604

Email : [info@koso-na.com](mailto:info@koso-na.com)



PRINTED IN CANADA

