



KOSO 
NORTH AMERICA

www.kosonorthamerica.com

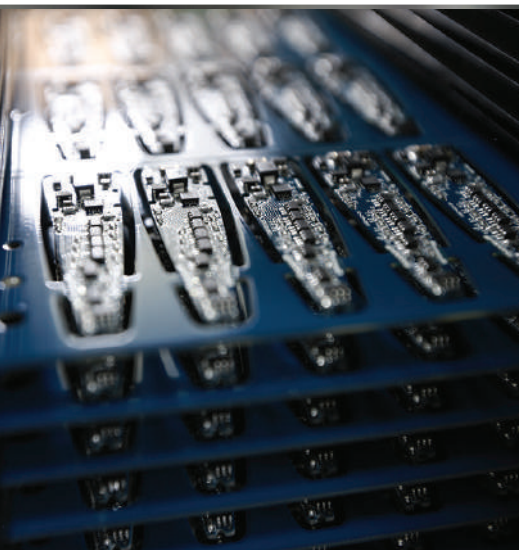
2024

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/ meters, 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





Meters

RX-5

new

part

BA062010

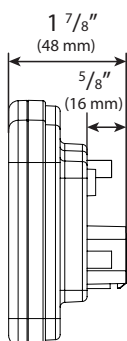
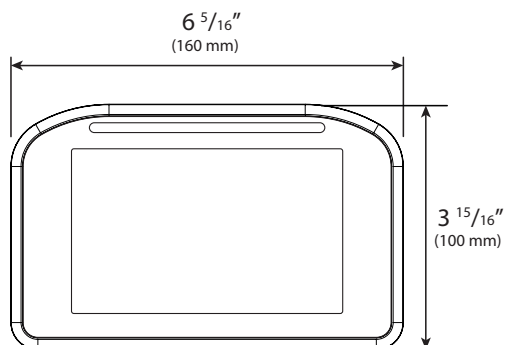
Fits R1200GS 2013 to 2017

TFT multifunction meter - 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: 0~99,999.9 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)
- **ENG TMP Level**
R: Six Level, 0~120°C (32~248°F)
U: Starts from 0°C, and each stage is 20°C
- **ENG TMP warning**
Setting range : 60~250 °C (140~482°F)
Setting unit : 1 °C (°F)
- **Max ENG TMP**
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 0.1 V
- **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 a bright 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

new

part

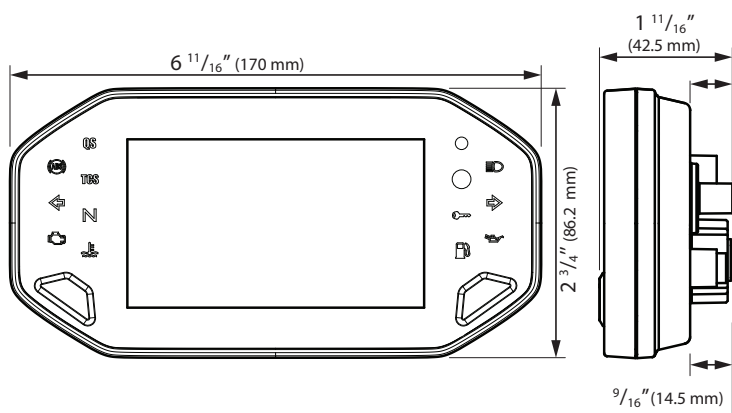
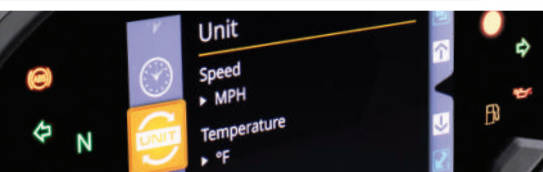
BA081010

meter

Multifunction TFT meter (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-4S

new

part

BA081100

meter for MT-07 (2021~)

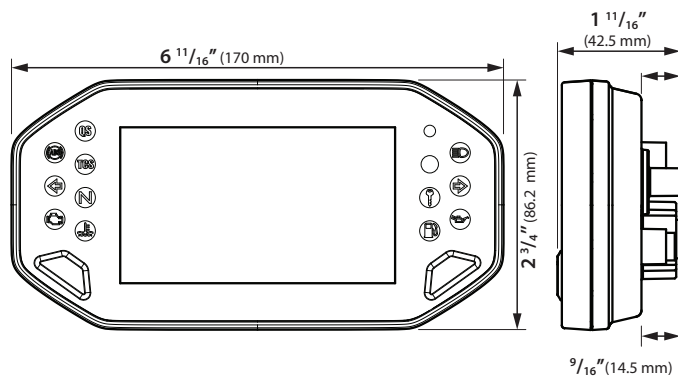
Multifunction meter for Yamaha® MT-07 (2021~)

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.



PLUG N PLAY



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 ~ 999 miles (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 ≤ 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 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

new

part

BA081001

meter for MT-09 (2017-2020)

BA081000

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

Additional bracket
(see at page 184)

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 meter

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

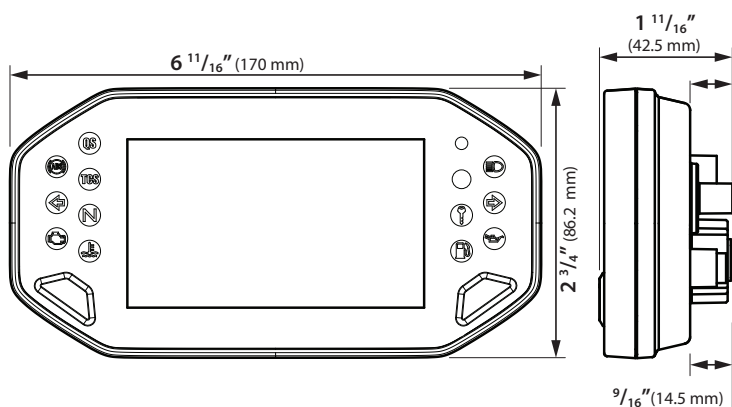
With its modern look and features, this RX-4 speedometer is the perfect plug and play meter for the MT-07 / MT-09 or the XSR 700 / XSR 900 models.

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.



PLUG N PLAY

No	Time	Speed	RPM	DST
1	0:03.92	180	6822	446
2	0:01.07	180	6822	203
3	0:03.91	180	6822	259
4	0:05.00	180	6822	475
5	0:05.01	180	6822	600
6	0:01.78	180	6822	249
7	0:06.07	180	6822	764
8	0:03.36	180	6822	400



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 ~ 999 miles (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-3

new

part

BA071000



warning

Night mode

TFT multifunction meter

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.

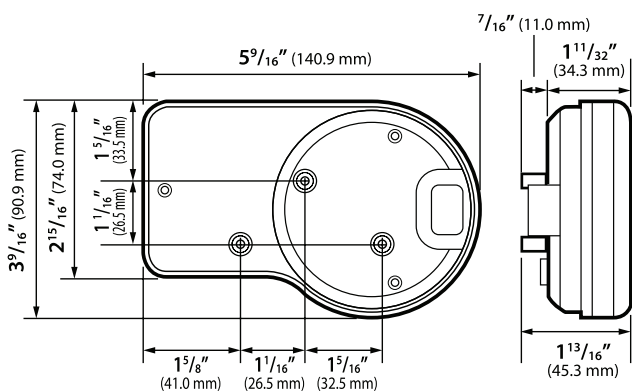
Compact, lightweight and easy to operate, this modern meter offers a clean and simple design. This universal gauge can be used for any application and also features a plug and play connector available for the Honda Grom® and the Honda Monkey®.



Optional plug and play harness (see at page 183):

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, SW, 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



MS-01

new

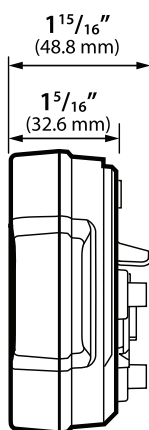
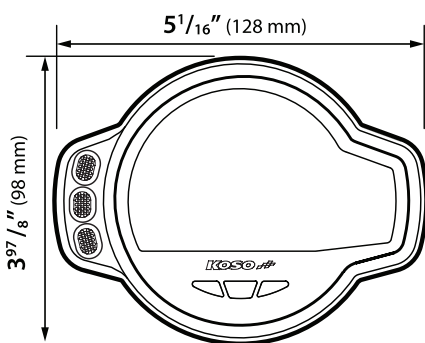
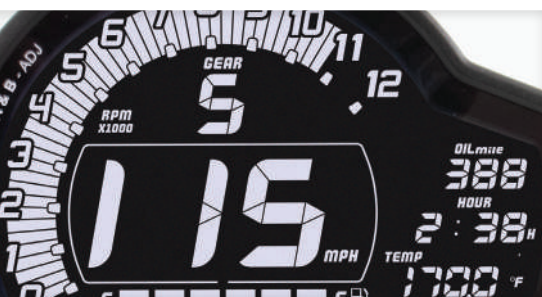
part

BA078100

Multifunction meter

The MS-01 multifunction meter 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 meter 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 Ω , 250 Ω , 270 Ω , 390 Ω ,
510 Ω , 1200 Ω , 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

new

part

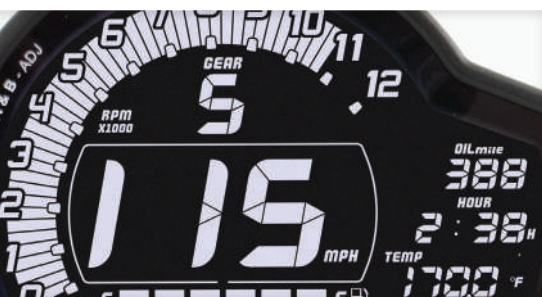
BA078100-GR

Fits Honda Grom 2013-2021

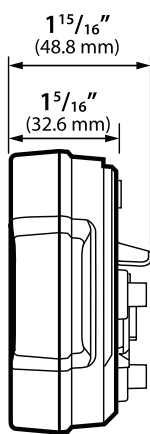
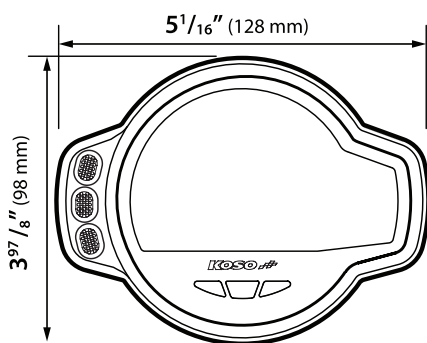
Multifunction meter - for Honda Grom® (2013-2021)

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 Ω , 250 Ω , 270 Ω , 390 Ω ,
510 Ω , 1200 Ω , 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

new

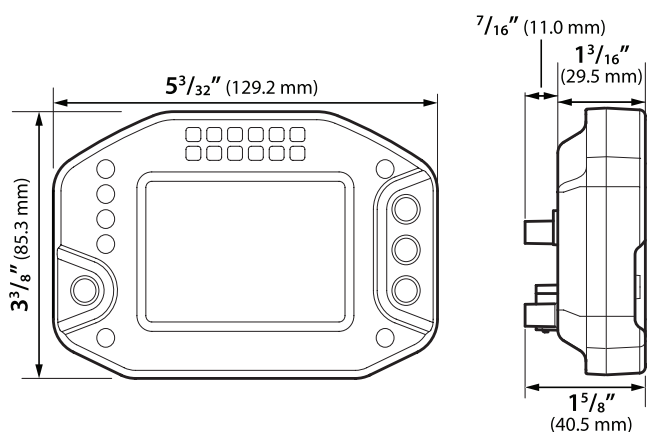
part

BA073000

Multifunction meter and Data recorder

The RS-2 meter is a complete multifunction meter 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 meter, 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 meter on almost all applications. Also features the choice of 8 colors in both positive and negative display for optimal reading during day or night.



(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: 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 light when lower than 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

new

part

BA077101

for 2013-2016 R nineT

BA077001

for 2017 and up R nineT

Multifunction meter (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.

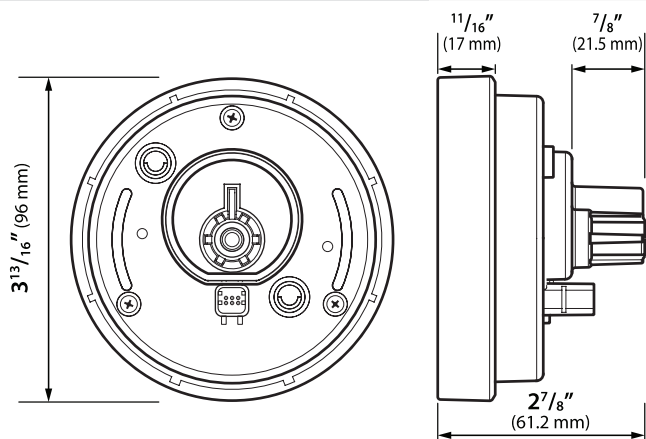
Featuring speed, odometer, tripmeter, hour meter, voltage, clock and stopwatch as well as 6 indicator lights, this meter will provide you all the data you need.



(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)



Multifunction meter - 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®.

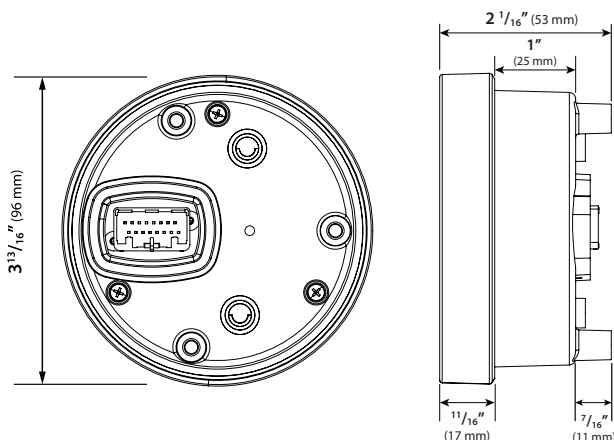
Its innovative negative LCD screen features a variety of functions such as a gear indicator, 6 indicator lights, tachometer, voltage, clock and much more.



(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



new

DL-04B

part

BA077201

for Yamaha Bolt 2014+

■ Optional relocation bracket

BE077000

Relocation bracket for DL-04B
Yamaha Bolt® (page 185)



Optional relocation bracket kit
(see at page 185)



*DL-04B meter with OEM bracket



DL-04

new

part

BA077300

meter

Multifunction meter (Universal version)

The universal version of the DL-04 gauge has been developed for all our motorcycle lovers. This multifunction meter has a modern negative LCD screen easy to read and which will give an urban look to any bike.

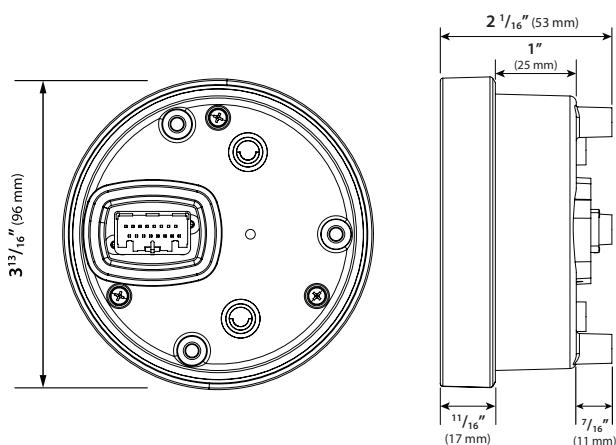
The DL-04 will give you all the information you need and a variety of features such as speed, odometer, tripmeter, hour meter, voltage and clock as well as 6 indicator lights.



(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)
- **Oil Maintenance**
R: -999~10000 miles
- **Weight**
± 184 g
- **Gear indicator**
R: N, 1 ~ 6
- **Volt meter**
R: DC 8.0 ~ 18.0 V | U: DC 0.1 V
- **Clock**
R: 12 or 24 H format
- **Temperature**
R: 32 ~ 482 °F (0 ~ 250 °C)
- **Backlight brightness**
R: 1 - 5(darkest) ~ 5 - 5 (brightest)
- **Indicator lights**
Turn signals / Neutral / Check engine / Warning / High beam / ABS / Over-running light
- **Effective temperature range**
R: 32 ~ 482 °F (0 ~ 250 °C)
- **Fuel resistance**
R: 100 Ω, 250 Ω, 270 Ω, 390 Ω, 510 Ω, 1200 Ω, Switch, Custom ,OFF
- **Fuel meter**
R: 6 levels | U: 1 level(16.6 %)
- **Fuel warning setting**
R: 0 ~ 3/6 grid | U: 1 grid



RPM and temperature meter

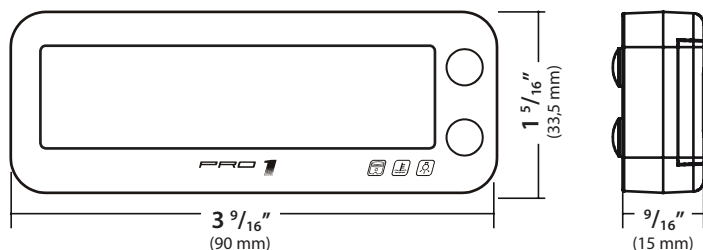
The new Pro 1 meter has a wide and bright backlit screen for easy reading even in the darkest conditions. It also features an RPM and temperature warning to help prevent damages to your engine.

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



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)



part

BA054000

RPM and temperature meter



Lap timer

part

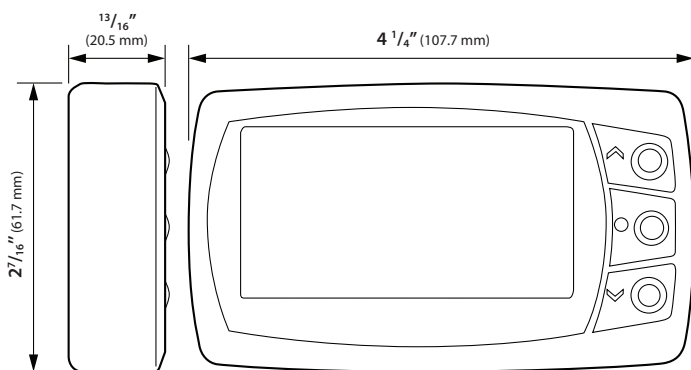
BA045100

GPS lap timer

Following the popular demand, our crew of engineers have developed a high-tech GPS lap timer to accommodate professional and amateur riders. By using the GPS technology, this lap timer will allow you to get a precise and accurate reading without having to install different beacons around the track.

This instrument records up to 200 laps and will display your best run, the time difference between your most recent run and your last, as well as; speed, average speed and many other great functions. Last but not least, this lap timer can also be used as a simple GPS speedometer, due to the speed and odometer functions.

Our GPS lap timer also features a Power-Test function, which allows the user to record time/distance (ex : 1/8 mile, 1/4 mile...) or speed/time (ex : 0 - 60 MPH...) This is the perfect tool, whether you are a drag racer, enduro racer or circuit racer. You can finally race like a professional with this multifunctional tool that can be used under many different conditions such as closed and open circuits. Koso's GPS lap timer is simply a must have for all racers !



Specifications

- **Speedometer**
R: 0 ~ 225 MPH (0 ~ 360 km/h)
Will blink when exceed range
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)
 - **Average speed**
R: 0 ~ 225 MPH (0 ~ 360 km/h)
U: 1 MPH or km/h (alternative)
 - **Riding time**
R: 0 ~ 9,999.9 H | U: 0.1 H
 - **Top speed record**
R: 0 ~ 225 MPH (0 ~ 360 km/h)
U: 1 MPH(km)
 - **Geodetic coordinate system**
WGS-84
 - **Coordinate display method**
R: d°m's.s" / d.d° / d°m.m'
 - **Time zone**
R: UTC - 12 :00 ~ + 14 :00
 - **Calendar**
R: Automatic time adjustment by GPS signal
 - **Clock** R: 12 H or 24 H format, time set according to time zone selected
 - **Voltage warning**
R: flashing symbol when < DC 7 V
 - **Display contrast**
R: 1 ~ 16 levels
 - **Backlight**
R: 0 (closed), 1/7 (darkest), 7/7 (brightest)
- TIMING MODE**
- **Single record time**
R: 00'00"00 ~ 99'59"99
 - **Number of lap record** R: 1 ~ 200 laps
 - **Time difference VS best time record**
R: 0 ~ 99"99
 - **Time difference VS last lap**
R: -99"99 ~ +99"99
 - **Record display method**
Sequentially / Best
 - **Record display retention time**
R: 5 ~ 20 seconds
 - **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)
 - **Closed track single lap recording**
R: 0 ~ 9'59"99
 - **Open track single lap time recording** R: 0 ~ 9'59"99
 - **Create track**
Closed / Open
 - **Track width**
R: 5 ~ 50m | U: 1 m
 - **Track length**
Auto calculate after a full lap
 - **Checkpoint**
R: 0 ~ 22 points (max.)
 - **Effective temperature range**
14 ~ 140 °F (-10 ~ 60 °C)
 - **Effective voltage**
DC 12 V



| GPS satellite position

| Racing menu



| Track map

| Racing menu

DB-03R

part

BA038000

Universal meter

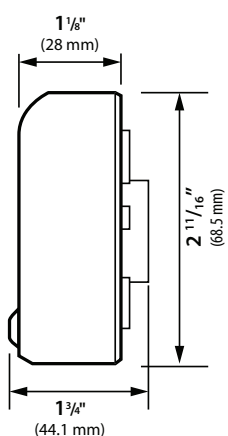
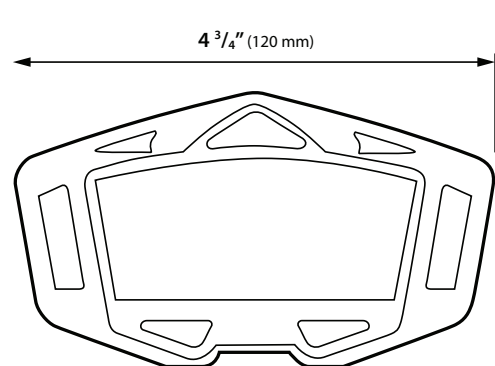
BA038900

Plug and play meter for
Honda Grom® 2013-2021

Multifunction meter

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*

(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)
- **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



DB-02

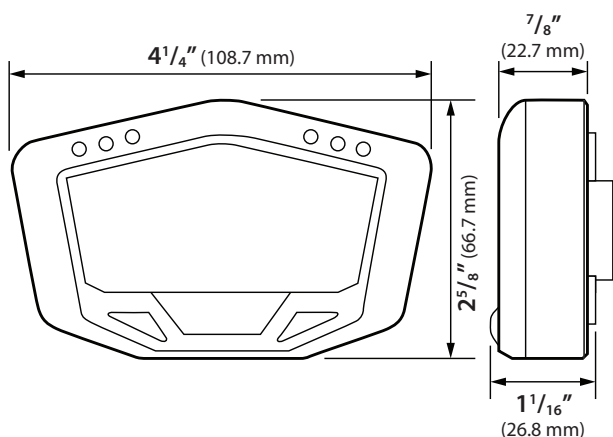
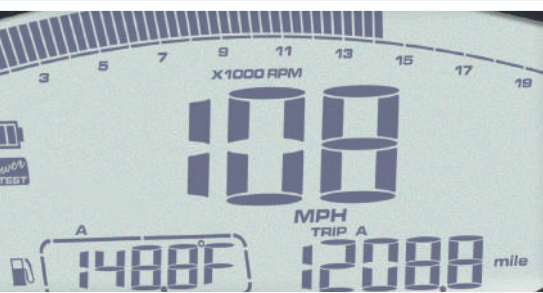
part

BA022W00

Multifunction meter (Off-Road version)

This DB-02 multifunction meter 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 meter to get for your off-road use. The changeable RPM scale allows this meter to fit on about any engine applications.

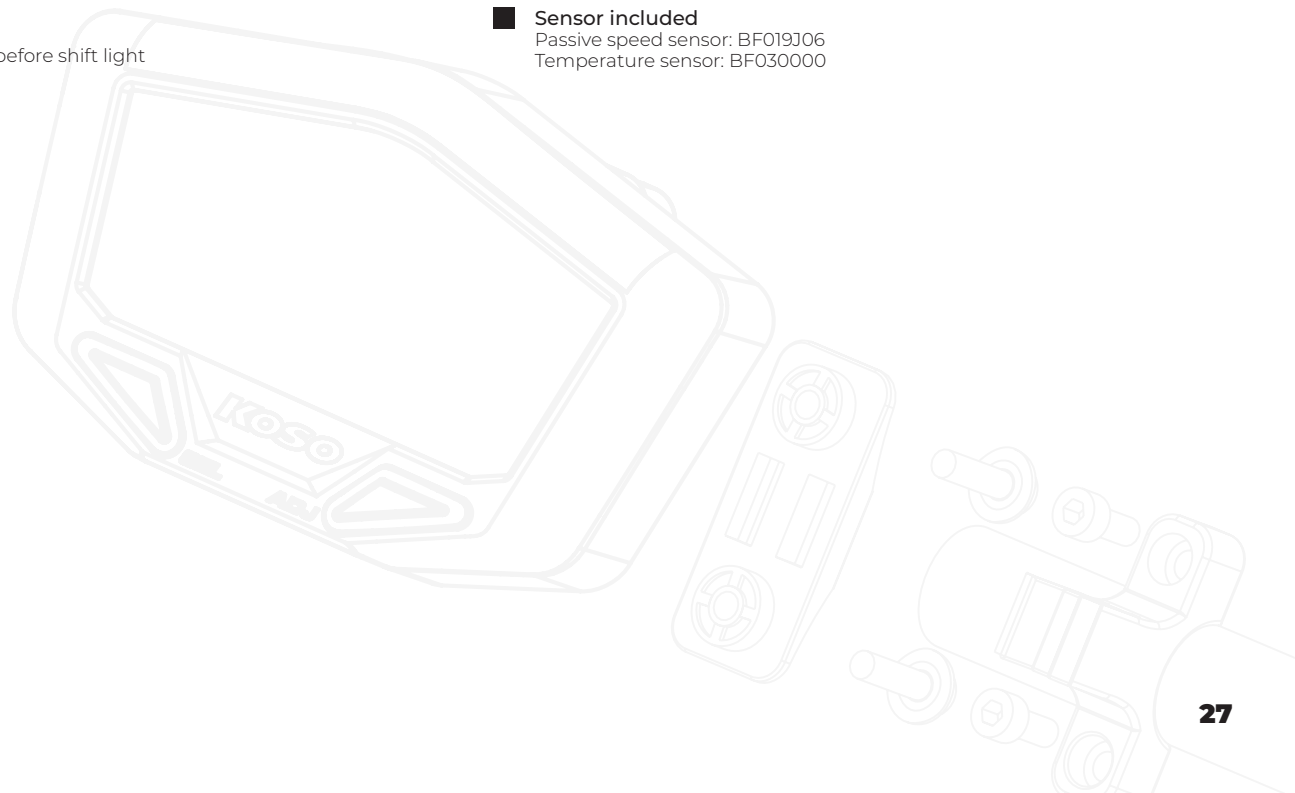
This instrument also features a 3 stage shift light that allows you to shift gears perfectly. Besides these great functions, the DB-02 multifunction meter features : speed, odometer, tripmeter, RPM, inner battery level, temperature, hour meter, and more.



(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 ~ 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

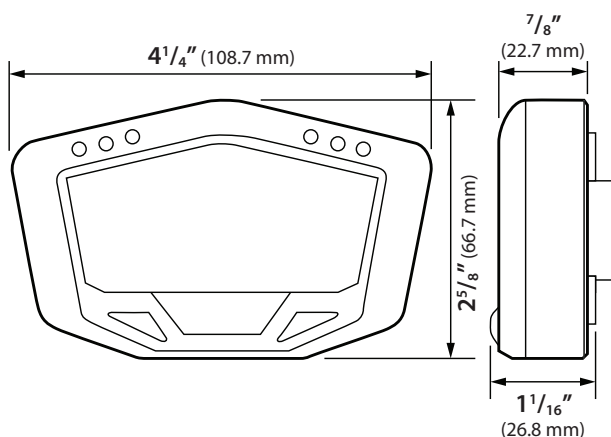
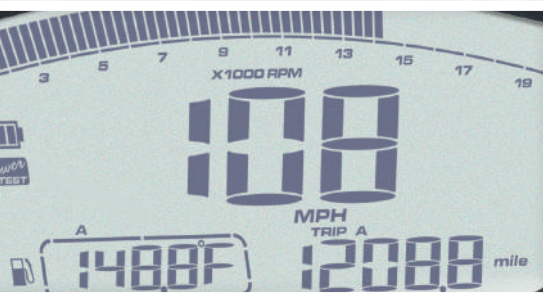
BA022000

For DB-02R meter

Multifunction meter (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

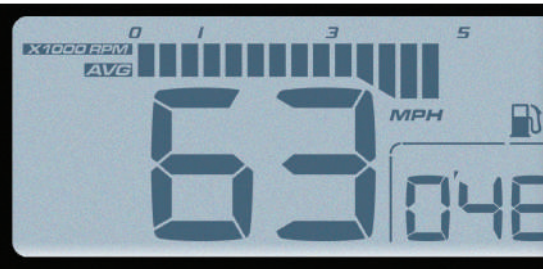
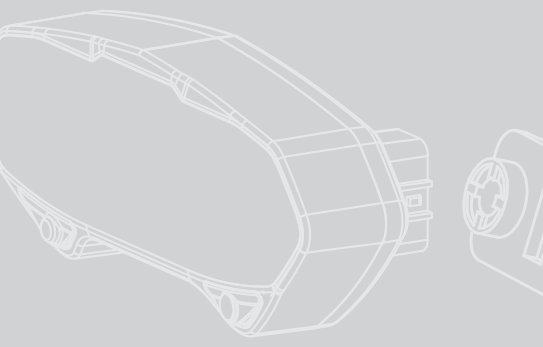
Optional plug-in indicator kit



DB-01RN

part

BA041000



Multifunction meter

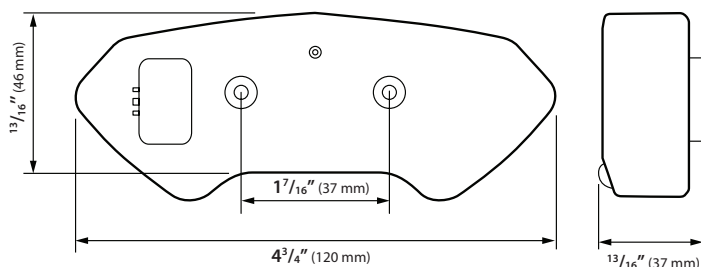
The DB-01RN multifunction meter is a true complete meter. Designed to look great on any type of bike, its large display and easy to use functions make this meter very simple to use while at the same time providing you with a unique stand out look that all riders look for.



(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 meter

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.



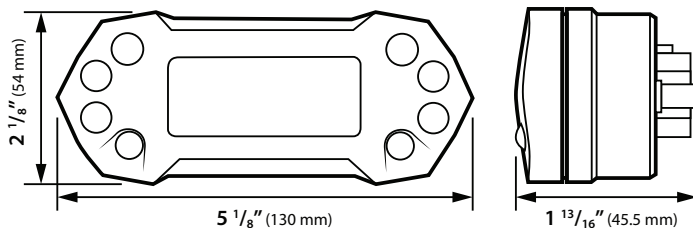
(R = Range U= Unit)

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



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.

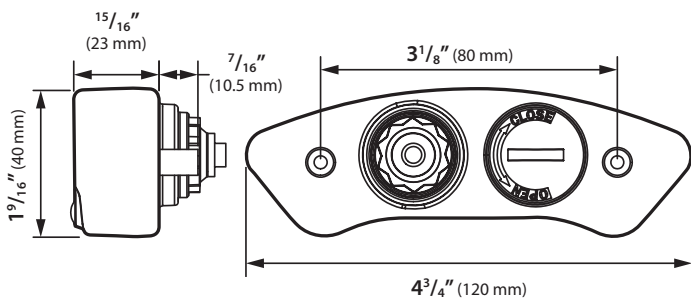
This meter also has the illuminated background with adjustable brightness that allows a good visibility of the display whether your ride on a bright sunny day or at night time.



(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)



(R = Range U= Unit)

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-02S

part

BA048001

Speedometer (Street version)

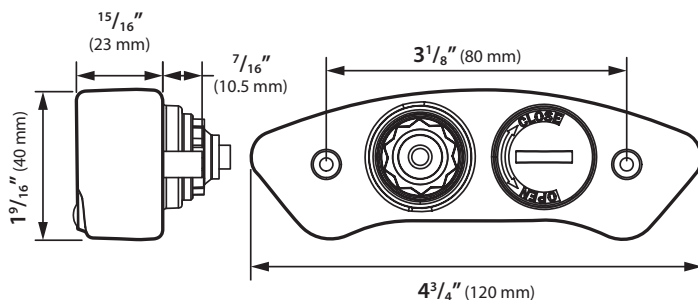
With its modern look, this EX-02S speedometer is the perfect meter for all dual applications. Its illuminated backlight makes this meter very easy to read even when you ride at night. Featuring speed, odometer, tripmeter, hour meter, voltage, clock and stopwatch as well as 6 indicator lights, this meter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

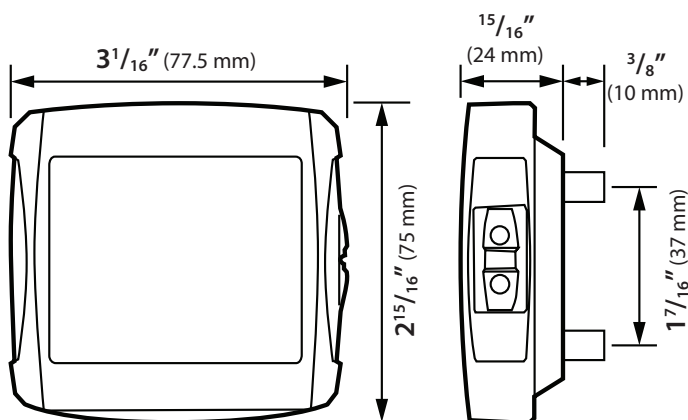
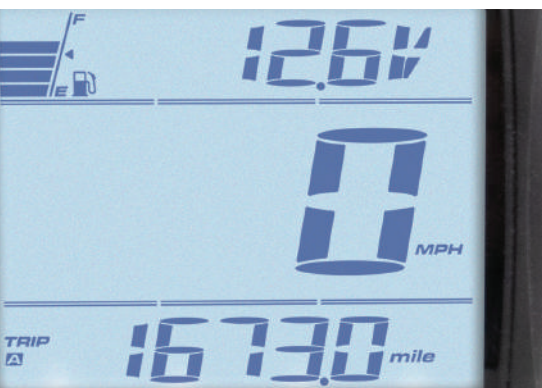
This meter is simple, user-friendly, and easy to read during day or night riding. The XR-01 speedometer is a great fit for any kind of motorcycle, scooter, ATV and more!



(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 : BF019J0



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.

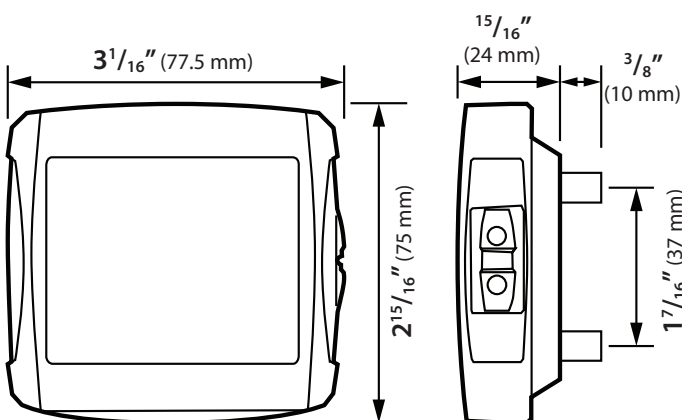
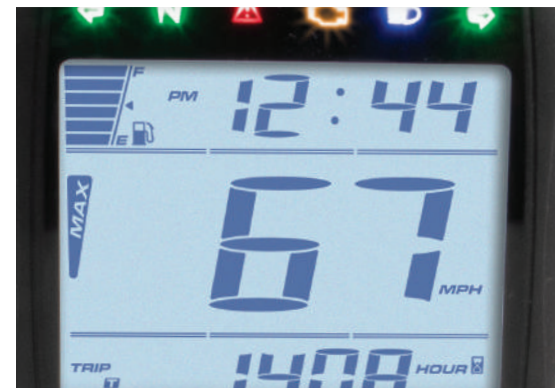
This meter is user-friendly, easy to read during day or night, and is a great fit for any kind of motorcycle, scooter or other bike.



(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 : BF01930



XR-SR

part

BB017B00

Multifunction meter

The XR-SR multifunction meter was designed especially for motorcycles and ATV's. Its digital screen will provide important data on your engine.

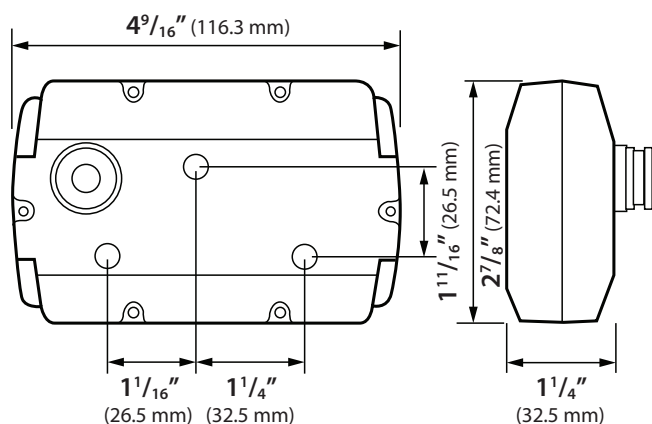
The 8 indicator lights can be adapted to all motorcycles and ATV's. Its great shape and digital display will make your bike look different!



(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)
- **Top 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 ~ 18,000 RPM | U: 100 RPM
- **Maximum RPM record**
R: 0 ~ 18,000 RPM
- **Stroke / piston setting**
2 stroke: 1, 2, 3, 4 pistons
4 strokes: 1, 2, 3, 4, 5, 6, 8, 10, 12 pistons
- **Digital water temp**
R: 32 ~ 248 °F (0 ~ 120 °C)
U: 0.1 °F or °C
- **Temp. level meter**
R: 68 ~ 248 °F (20 ~ 120 °C)
10 levels | U: 1 level = 50 °F or 10 °C (alternative)
- **Top temperature record**
R: 32 ~ 248 °F (0 ~ 120 °C)
- **Fuel meter** 10 levels | U: 1 level = 10%
- **Fuel resistance** R: 100 Ω / 510 Ω
- **Top speed timer (includes)**
Speed: R: 0 ~ 225 MPH (0 ~ 360 km/h)
Distance: R: 0 ~ 3,280 feet (0 ~ 999 m)
Timer : 0 ~ 9'59"99
- **Indicator lights**
Turn signals / Neutral / Hazard /
Oil level / High beam / Low beam /
Water temperature
- **Effective temperature range**
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage** DC 12 V
- **Sensor type**
Passive speed sensor: BF019005
Temperature sensor: BF030125



DL-03SR

part

BB642W20

GP style multifunction meter

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.

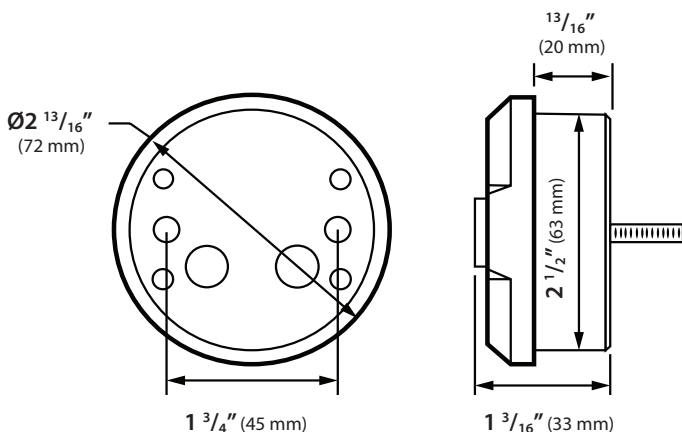
Compact, lightweight, easy to operate, this is our DL-03SR GP Style multifunction meter.



(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



DL-03A

new

part

BB642W30

with 6ft extension wire

BB642W31

with 12ft extension wire

Air/Fuel ratio & RPM data logger

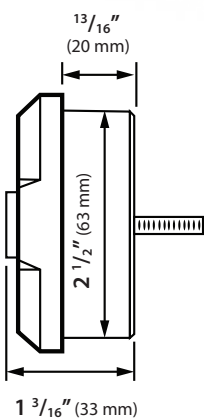
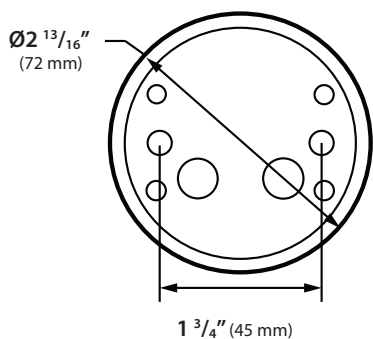
The DL-03A is the newest addition into our lineup of meters. It features air/fuel ratio reading, RPM and data logging playback ability in real time to optimize your riding performance.

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 adaptor" **BG001855** 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



Wideband

part

BA004068

Wideband air/fuel ratio meter

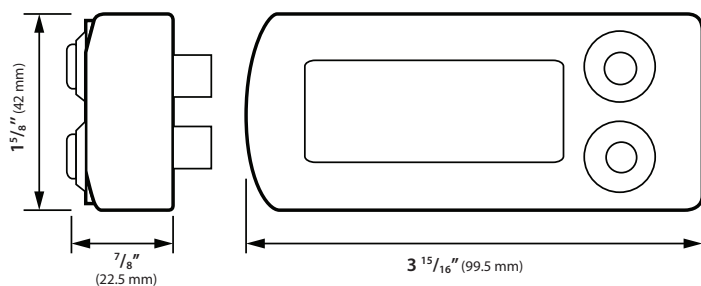
This nice backlit wideband air/fuel ratio meter will give you precious data on your engine. It will allow you to tune your engine more precisely. Its warning signal could even save your engine from potential damage. Its programmable warning will tell if your engine is running too lean or too rich.



(R = Range U= Unit)

Specifications

- Air/fuel ratio
R: 10 ~ 24
- Over LEAN setting
R: LEAN 14.8 ~ 24
- Over RICH setting
R: RICH 14.6 ~ 10
- Effective temperature range
14 ~ 140 °F (-10 ~ 60 °C)
- Effective voltage
DC 12 V
- Sensor included
Bosch oxygen sensor: 28-BOSCH
- Compatible with 2 stroke or 4 stroke engines
- "2 stroke adaptor" BG001855 is mandatory when used on a 2 stroke application
- Requires a DC 12 V battery absolutely (will not function with our AC/DC converter)



Wideband a/f ratio, boost and intercooler temperature meter

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

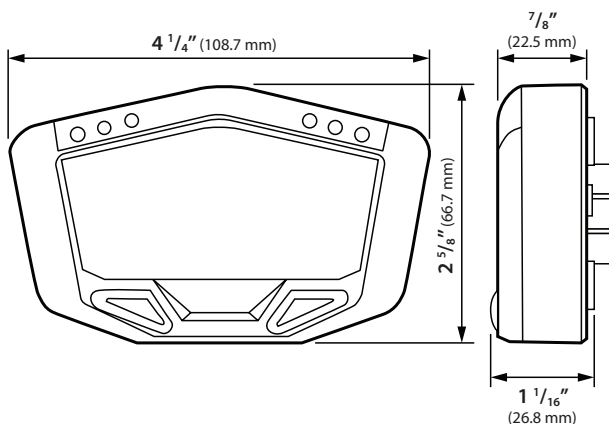
- **Digital boost pressure**
R: 0 ~ 15/30 psi | U: 0.5 psi
- **Peak recall**
positive R: 10 ~ 30 psi | U: 1 psi
negative R: -1 ~ -30 psi | U: 1 psi
- **Level boost pressure**
15 psi R: 0 ~ 15 psi | U: 0.5 psi
30 psi R: 0 ~ 30 psi | U: 1 psi
- **Boost pressure warning** R: 1 ~ 30 psi
- **Digital air/fuel 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

part

BA029001

snowmobile version

- Compatible with 2 stroke or 4 stroke engines
- "2 stroke adaptor" **BG001855** 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

new

part

BA006010

standard EGT sensor

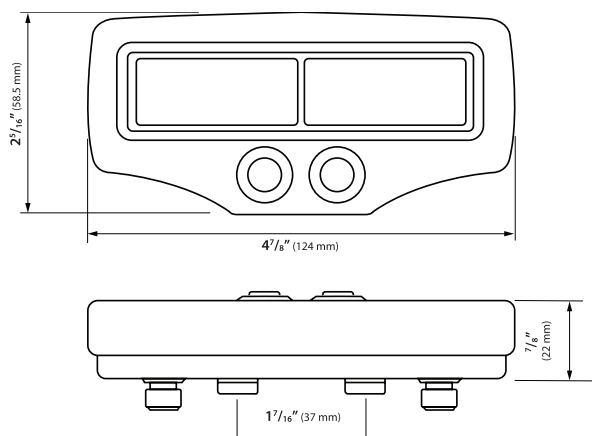
BA006010-X

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!



(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
- **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**
EGT standard: BF000100
EGT fast response: BF000101



EGT-02 EVO

new

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.

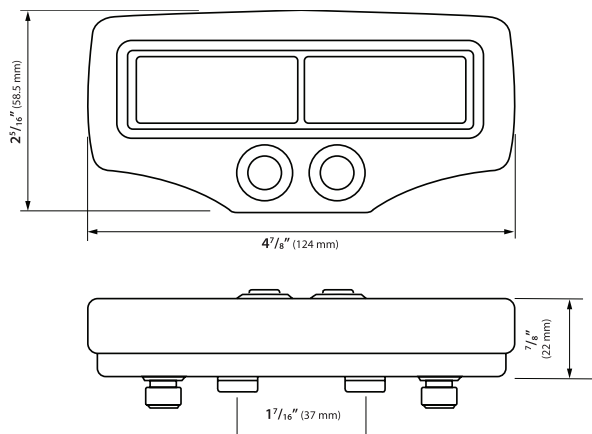
The red flashing of the screen makes it very easy to see if something is going wrong with the engine.



(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
EGT standard: 28-CKTYPE9
EGT fast response: 28-CKTYPEX



EGT-01

Single exhaust gas temperature meter

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.

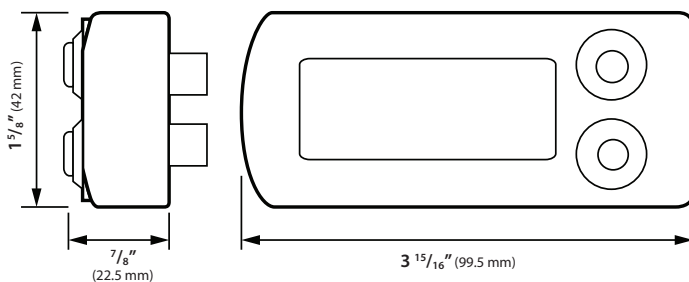
This nice backlit EGT-01 single exhaust gas temperature meter will give you precious data on your engine. It will allow you to tune it more precisely. Its warning signal could even save your engine from potential damage.



(R = Range U= Unit)

Specifications

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



Boost gauge

Today, many horsepower enthusiasts are upgrading their engines with a turbo or supercharger. For this reason, we came up with this basic X-1 boost gauge with warning and peak functions. Made to resist cold temperature, water or dust, this meter can be adapted to any engines with turbo or supercharger.

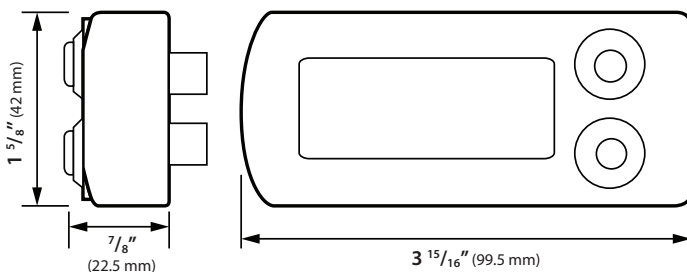
The changeable scale from 15 to 30 psi, the warning signal and peak recall function make it a great tool.



(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
- **Warning function**
Screen changes blue to amber
- **Effective temperature range**
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage**
AC/DC 12 V
- **Sensor type**
Boost sensor: BF521000



Infrared temperature meter with sensor

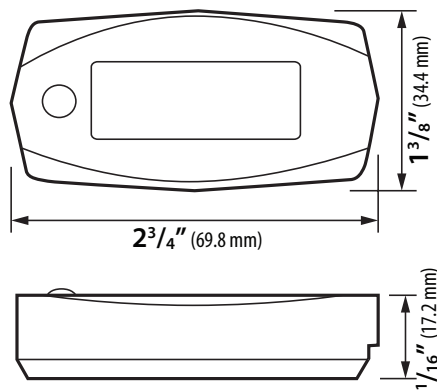
The infrared temperature meter by Koso has been designed to provide critical tire surface temperature readings. This device is also a great tool for monitoring temperatures such as tire, belt, clutch, transmission, suspension and more. The sensor features a 10° field of view measuring temperatures up to 302°F.



(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

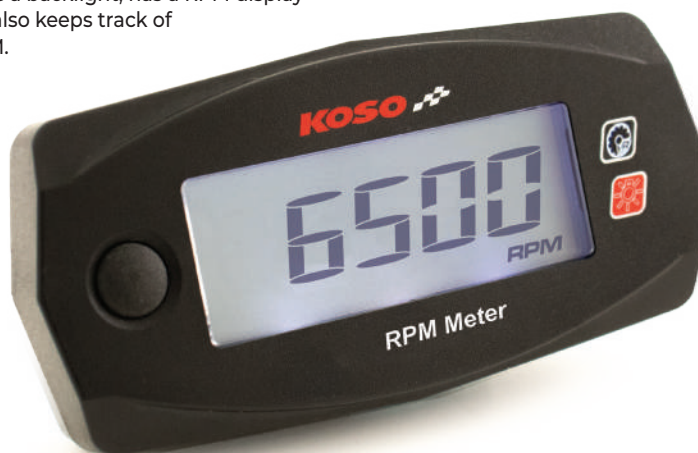
BA033040

tachometer

Tachometer meter

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.

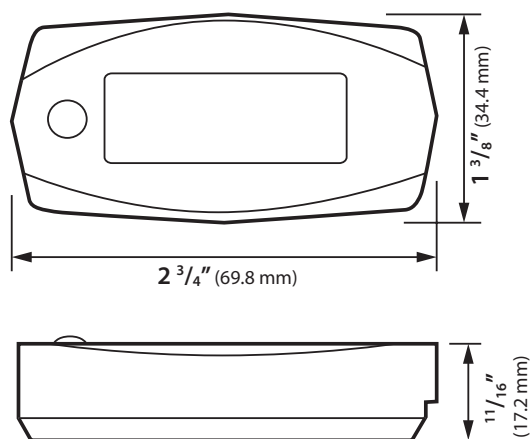
It also features a backlight, has a RPM display warning and also keeps track of your max RPM.



(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



Mini4

part

BA033000

tachometer

Hour meter

The Mini 4 series has been developed with the best components and latest technology. The Mini 4 meters uses an LCD screen powered by an inner CR 2032 changeable battery that allows installation on any vehicle.

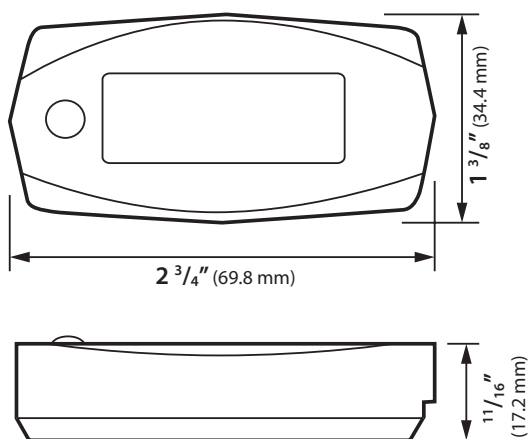
Our hour meter will allow you to track the motor running time and schedule your next engine maintenance. User-friendly and quick to install, this compact hour meter is a must to all serious riders.



(R = Range U= Unit)

Specifications

- **Total hour meter**
R: 0 ~ 99,999 H | U: 0.1 H
- **Hour meter A/B (resettable)**
R: 0 ~ 999,9 H | U: 0.1 H
- **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

BA003211

air/fuel ratio meter

BA003270

ambient air temp.

BA003190

AMP & volt meter

BA003160

clock & volt meter

BA003170

dual temperature meter

■ Optional bracket

BE006S00

See bracket at page 163

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.



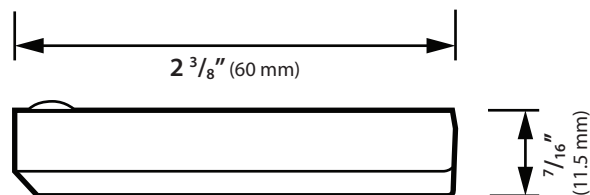
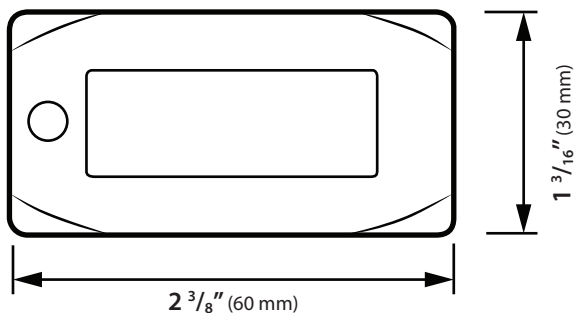
(R = Range U= Unit)

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/cm³)
U: 0.1 PSI (kgf/cm³)
- Oil pressure warning
Flashing light when
≤ setting value



Air/fuel ratio meter

Our Mini 3 air/fuel ratio meter was especially designed to help you tune your carbureted or fuel injected engine. This meter can be easily installed on any type of 4 stroke engine by installing the sensor in the exhaust system and connecting the instrument to a DC 12 V source of power.

Specifications

- Air/fuel ratio meter
R: 12.2 ~ 17.2 | U: 0.1
- Sensor type
Race type O₂ sensor: BG000S01
- *Compatible with 4 stroke engines only



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)



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



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



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



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.

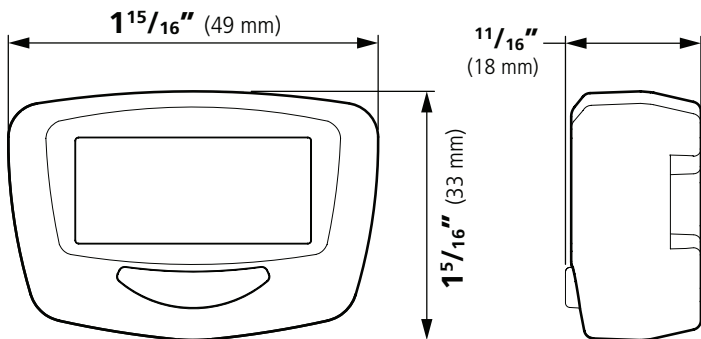


(R = Range U= Unit)

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 adaptor

BA074200-14
14 mm adaptor

BA074200-18
18 mm adaptor

BA074200-26
26 mm adaptor

BA074200-16
16 mm adaptor

BA074200-22
22 mm adaptor



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.

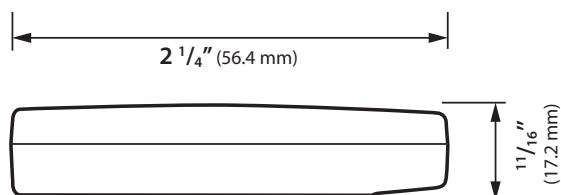
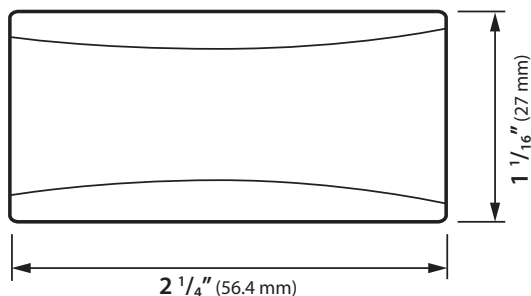


(R = Range U= Unit)

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

BA067B12

thermometer/°F version / blue

BA067R12

thermometer/°F version / red

BA067B00

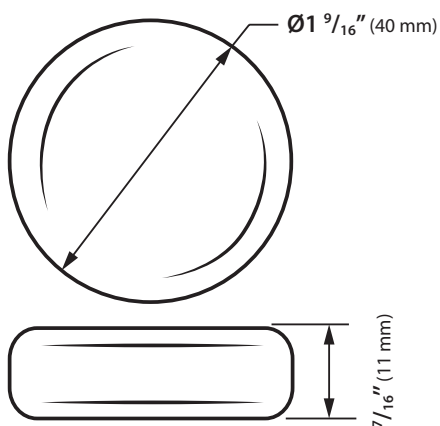
volt meter / blue

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)



Super slim touch

part

BA068040

blue

BA068041

red

Digital super slim touch screen, volt & temperature meter

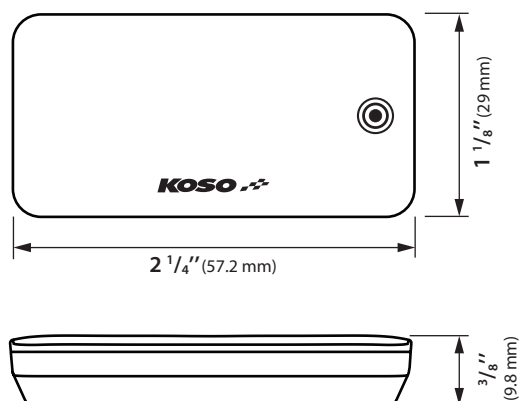
This new small and compact size digital meter with touch screen lets you switch between volt and a temperature reading at the touch of your finger. The blue or red illuminated digits are attractive and easy to read at night.



(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)



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



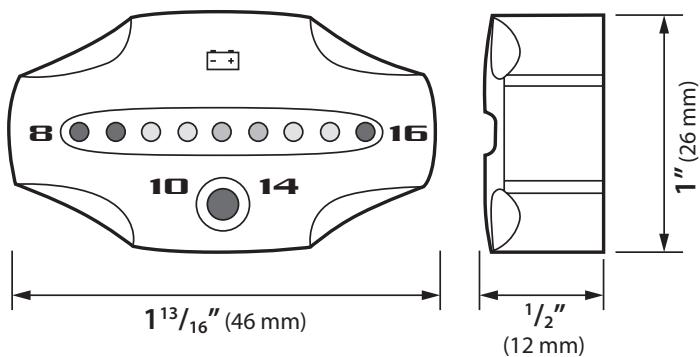
(R = Range U= Unit)

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



RX-2

part

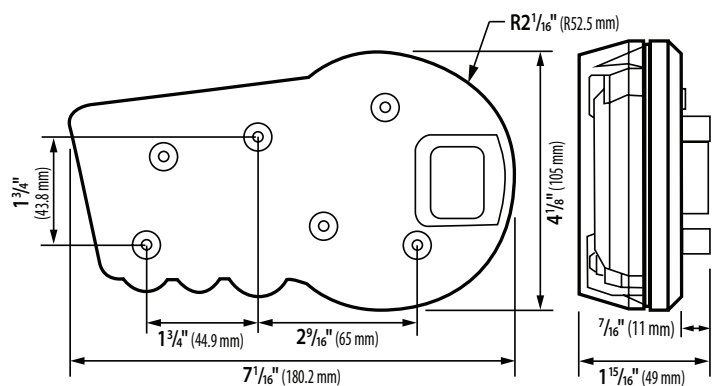
BA010001

GP Style multifunction meter

The RX-2 features a unique color changeable backlight that makes it a very popular instrument. The illuminated needle with LED pointer makes 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 cool functions.

Set yourself apart with the RX-2! .



(R = Range U= Unit)

Specifications

- **Speedometer**
R: 0 ~ 225 MPH (0 ~ 360 km/h)
U: 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 ~ 110 MPH (30 ~ 180 km/h)
U: 5 MPH (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 ~ 60
- **Tachometer**
R: 0~15,000 RPM | U 100 RPM
- **RPM shift-light**
R: 5,000 ~ 15,000 RPM | U: 100 RPM
- **Maximum RPM record**
R: 0 ~ 15,000 RPM
- **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 ~ 248 °F (0 ~ 120 °C)
U: 0.1 °F or °C (alternative)
- **Temperature level meter**
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 ~ 248°F (60 ~ 120°C) | U: 1°F (°C)
- **Top temperature record**
R: 32 ~ 248 °F (0 ~ 120 °C)
- **Fuel meter**
R: 10 levels | U: 1 level = 10 %
- **Fuel resistance**
R: 100 Ω / 510 Ω / no display
- **Low fuel warning**
R: 10 ~ 50% | U: 10%
- **Clock** R: 24 H format
- **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 ~ 15,000 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 : BF019005
Temperature sensor: BF030125



RX-2N

part

BA015B15

10,000 RPM

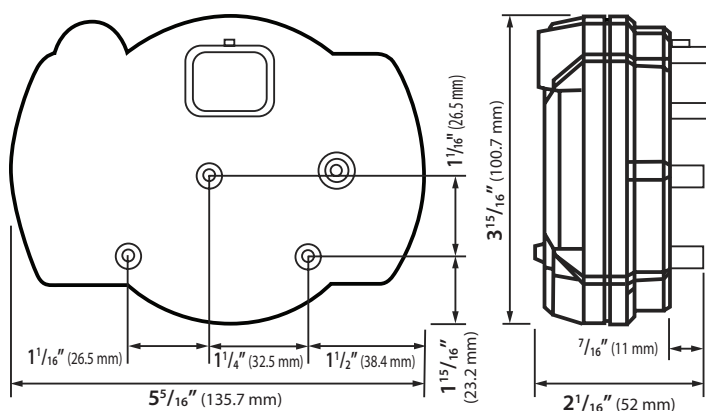
BA015B25

20,000 RPM

GP style multifunction meter

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.



(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)
- **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.

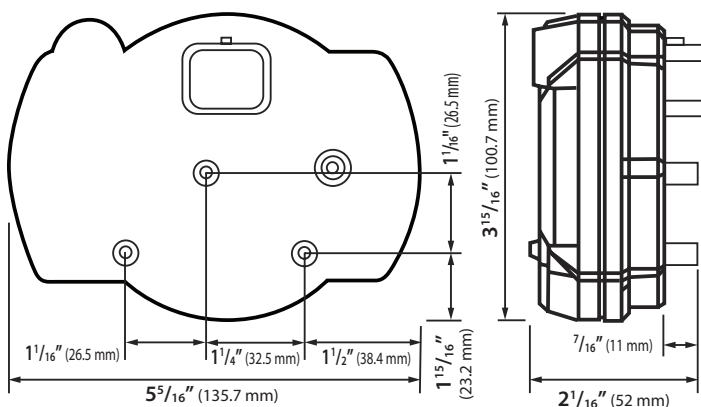


(R = Range U= Unit)



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



RX-1N

GP style multifunction meter

With its attractive shape and size, the RX-1N meter is a perfect meter for your bike. Whether you have a sports bike, naked bike, street fighter or anything in between, this gauge will surely impress with its easy to read display and multiple functions available including speedometer, tachometer, tripmeter, odometer, shift light, temperature, indicator lights and many more.

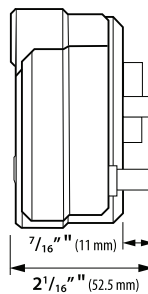
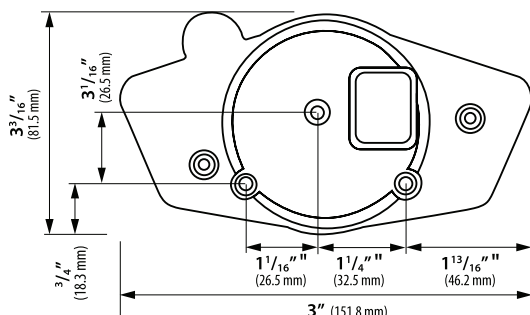
This meter has every function you need to monitor your bike's performance.



(R = Range U= Unit)

Specifications

- Speedometer**
 R: 0 ~ 225 MPH (0 ~ 360 km/h)
 U: MPH or km/h (alternative)
- RPM shift-light**
 R: 5,000 ~ 15,000 RPM | U: 100 RPM
- Tachometer**
 R: 0~15,000 RPM | U 100 RPM
- Digital thermometer (Water & Oil)**
 R: 32 ~ 248 °F (0 ~ 120 °C)
 U: 0.1 °F or °C (alternative)
- Sensor type**
 Passive speed sensor : BF019005
 Temperature sensor: BF030125
- Fuel resistance**
 R: 100 Ω / 510 Ω
- Effective voltage**
 DC 12 V
- Clock R:** 12 H or 24 H format (alternative)
- Indicator lights**
 Neutral / High beam / Turn signals / Check engine / Oil level / Temperature / Speeding / RPM shift light



TNT-05 D80

new

part

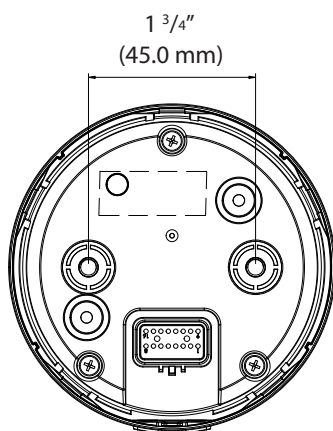
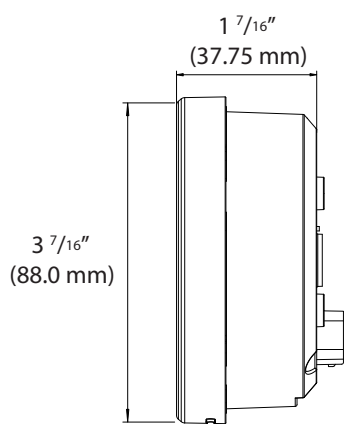
BA087000

BA087000-HD

for Harley-Davidson®

Multifunction meter

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, stopwatch and more.



**Universal kit version*

(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 ~ 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 Ω / 250 Ω / 270 Ω / 390 Ω / 510 Ω / 1,200 Ω / 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 0.1 V
- **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)



TNT-05S D60

new

part

BA085001

BA085001-HD

for Harley-Davidson®



**Universal kit version*

Speedometer

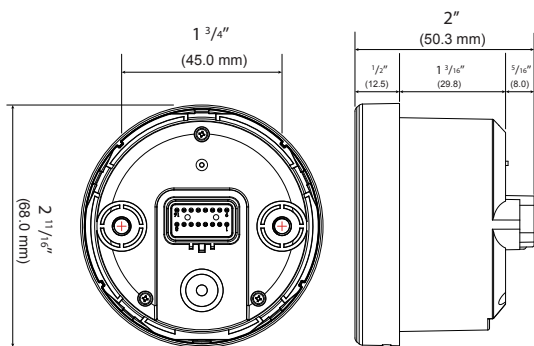
Providing basic functions such as speed, odometer, tripmeter, hour meter, fuel, voltage, clock and stopwatch, the TNT-05S speedometer is equipped with 8 changeable LCD display colors that also includes all the necessary indicator lights to give you all the data you need. The illuminated backlight makes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



new

TNT-05R
D60

part

BA085101

Tachometer

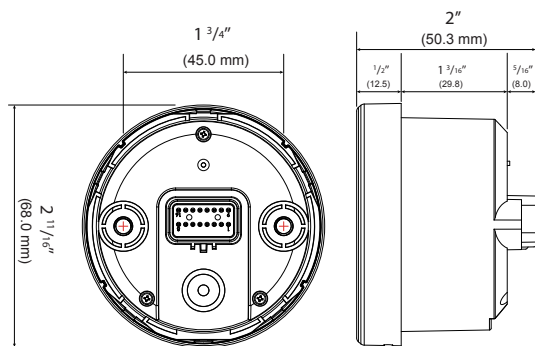
Customize your bike with The TNT-05R. This tachometer will give a modern look to any motorcycles with its changeable LCD display backlight colors and make it easy to read either it is day or night. Its warning function for temperature and voltage will protect your engine from being damaged.



(R = Range U= Unit)

Specifications

- **Tachometer**
R: 0 ~ 12,000 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 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

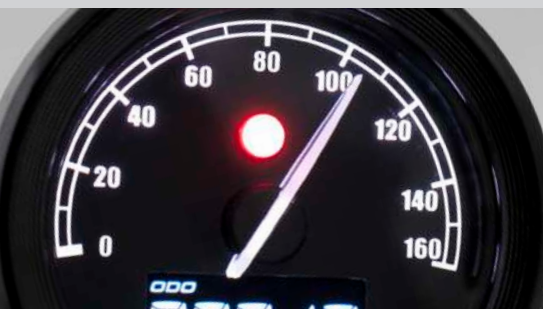
new

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.



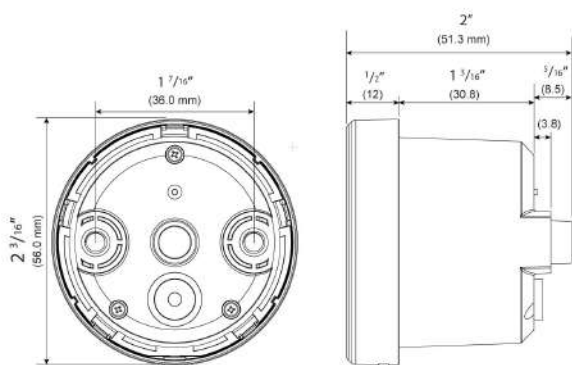
(R = Range U= Unit)

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**



7
CHANGEABLE COLORS



new

TNT-05R
D48

part

BA086101

Tachometer

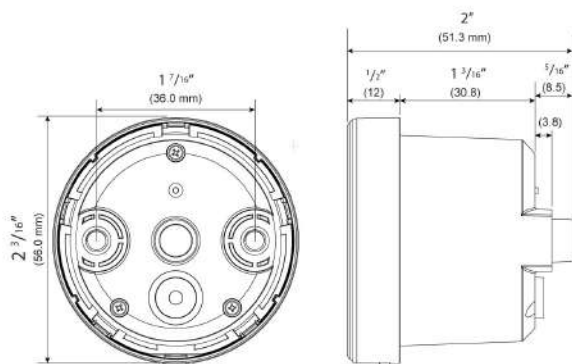
Whether it is day or night, this small-scaled TNT-05 tachometer will prevent your engine from being damaged with its warning function for temperature and voltage. You can also give different looks to your motorcycle with its 7 changeable LCD display backlight colors.



(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 185)



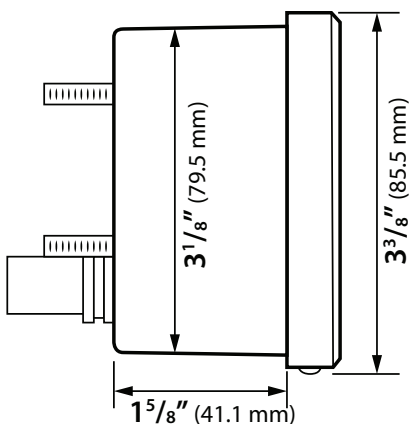
Multifunction meter - for Yamaha Bolt®

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 185)



(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



TNT-04

part

BA051401

silver bezel

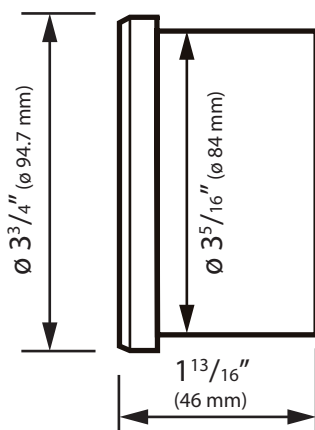
BA051411

black bezel

Multifunction meter

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.



(R = Range U= Unit)

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 Ω / 250 Ω / 270 Ω / 510 Ω / 1,200 Ω / 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



TNT-01

part

BA035K00

black casing / black face

BA035K00-HD

black casing / black face
for Harley-Davidson®



Multifunction Meter

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...

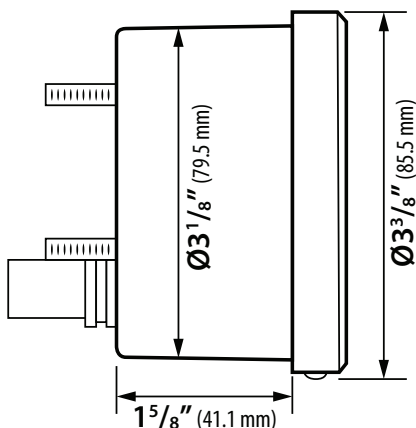
This meter is available in black or white face and includes the installation brackets and speed sensor.



(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

TNT-02

part

BA058100

BA058100-HD

for Harley-Davidson®

Multifunction meter

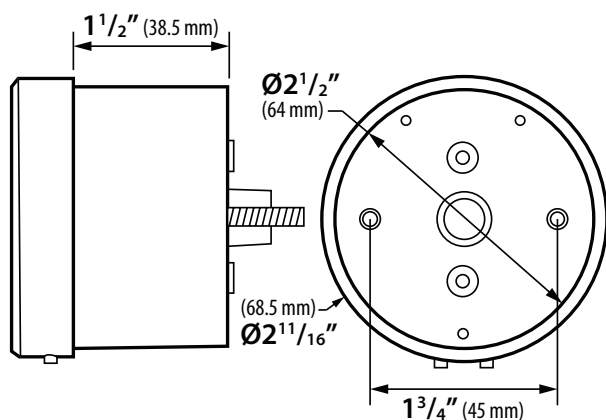
With its vintage look, our TNT-02 is the perfect meter for all Café racers and special project bikes that require a small multifunction meter. This 64 mm instrument is a smaller version of our popular TNT-01 and has the same features such as; speedometer, odometer, tripmeter, tachometer, fuel meter, clock, shift light and indicator lights.

Its strong stepper motor allows a fast and smooth reading along with the best in-time response you can have and its adjustable backlight brightness makes it very easy to read.



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: 5,000 ~ 20,000 RPM | U: 100 RPM
- **Warning (shift light)**
R: Light on (F-OFF), Flash (F-ON)
- **RPM input signal number**
R: 0.5, 1 ~ 6
- **RPM input pulse**
R: HI-ACT (positive wave pulse)
LO-ACT (negative wave pulse)
- **Fuel meter**
R: 0 ~ 100% | U: 1 %
- **Clock** R: 24 H format
- **Backlight brightness**
R: 1/5 (darkest) ~ 5/5 (brightest)
- **Indicator lights**
Neutral / High beam / Turn signals /
Warning / RPM shift light
- **Effective temperature range**
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage**
DC 12 V
- **Sensor included**
Active speed sensor : BF019005



**Universal kit version*

TNT-01R

part

BA035130

10,000 | black / black face

BA035120

10,000 | chrome / white face

BA035140

15,000 | chrome / white face

Tachometer

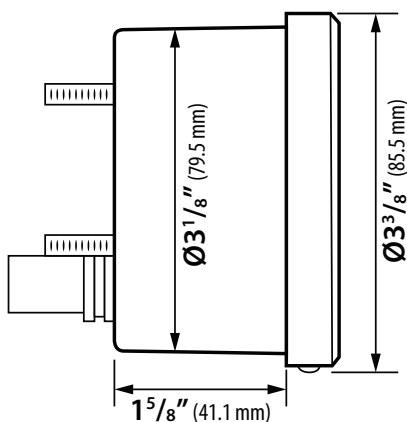
Built with the best components and strongest stepper motor on the market, this TNT-01R tachometer is the perfect addition for all motorcycles. Its large dial face and backlight make it easy to read all day long. Available in black dial face with black casing and white dial face with chrome casing.



(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 12V
- 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



GP Style

part

BA551B23

white face

GP style tachometer with water temperature

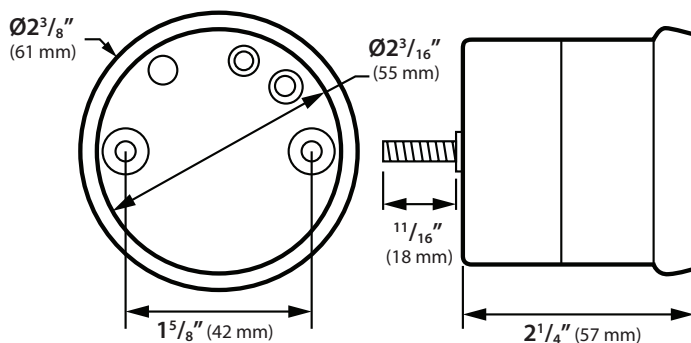
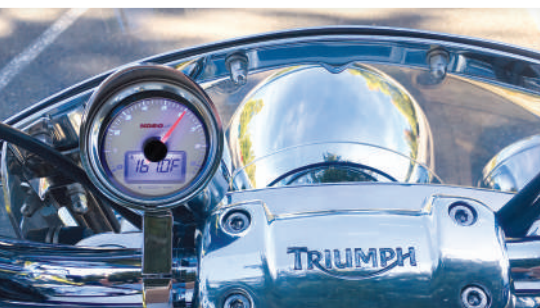
This Koso meter features 9,000 RPM analog reading that uses illuminated needle. It is also equipped with a digital temperature reading that will provide you with the most crucial information you need about your motorcycle's engine.



(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



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.



(R = Range U= Unit)

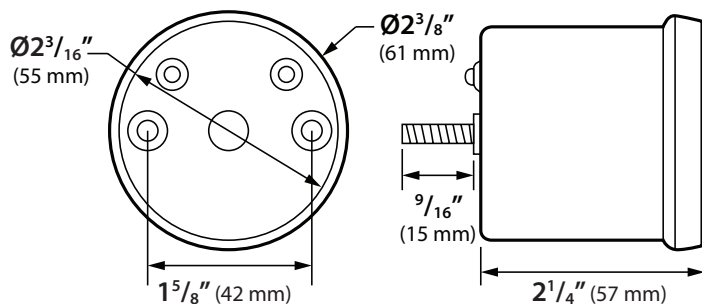
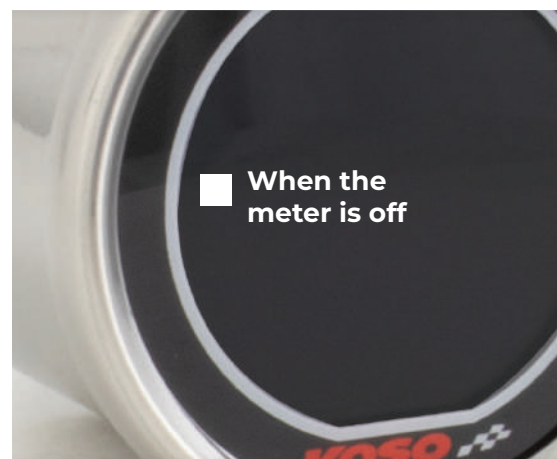
Specifications

- **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

part

BA552B80
tachometer

BA552B80-HD
tachometer for
Harley-Davidson®



DL-01

part

BA484B20

water temperature

BA484B30

volt meter

BA484B20-HD

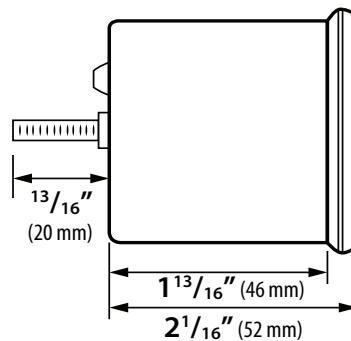
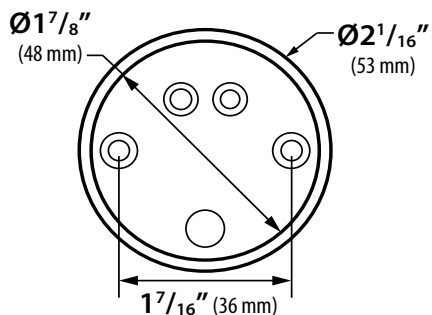
water temperature for
Harley-Davidson®

BA484B30-HD

volt meter for
Harley-Davidson®

LCD water temperature and volt meters

Koso's DL-01 meters use a reverse LCD display so when the meter is turned off, the screen is deep black. They are available in 3 versions; tachometer that can be programmed for 10K, 15K, 20K with recall function, thermometer with warning and volt meter.



DL-01T

Water temperature meter

Specifications

- **Temperature level**
R: 32 ~ 500 °F (0 ~ 250 °C)
U: 1 level = ± 20 °F or ± 10 °C (alt)
- **Digital temperature**
R: 32 ~ 500 °F (0 ~ 250 °C)
U: 1 °F or 10 °C (alt)
- **Temperature warning**
R: 140 ~ 482 °F (60 ~ 250 °C)
HI displayed when over temp
- **Effective temperature range**
14 ~ 140 °F (-10 ~ 60 °C)
- **Power** DC 12 V
- **Sensor included**
Temp. sensor: BF030000 1/8 (BSP) x 28



**Universal kit version*



DL-01V

Volt meter

Specifications

- **Volt level**
R: DC 8 ~ 19.9 V
U: 1 level = DC 0.66 V
- **Digital volt meter**
R: DC 8 ~ 19.9 V
U: 1 level = DC 0.1 V
- **Voltage warning**
R: DC 8 ~ 12 V
HI displayed when over voltage
- **Effective temperature range**
14 ~ 140 °F (-10 ~ 60 °C)
- **Power** DC 12 V



**Universal kit version*



DL-02R

part

BA555B19

chrome casing

BA555B16

black casing

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.

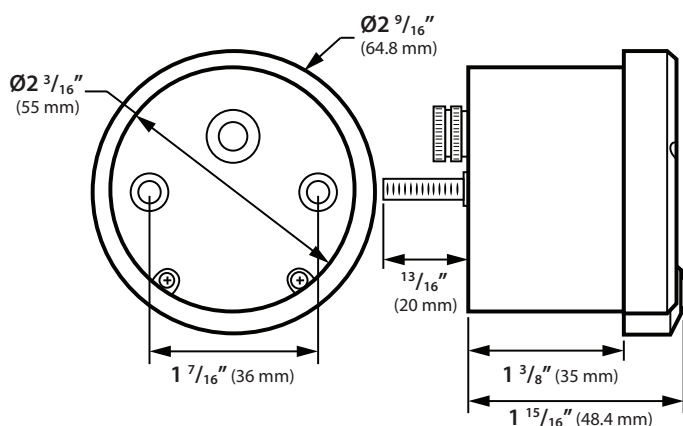
The big digits and blue backlight make the DL-02R a very easy meter to read even at night.



(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





**Harley-Davidson®
meters**

HD-03

new

part

BA064902

8 changeable LCD color display
Fits 2014-2023 Touring models

■ 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



LCD meters 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 meters without any hassle! There is no need to drill holes or to rewire the meters, 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!



Optional air pressure sensor
kit for air suspension



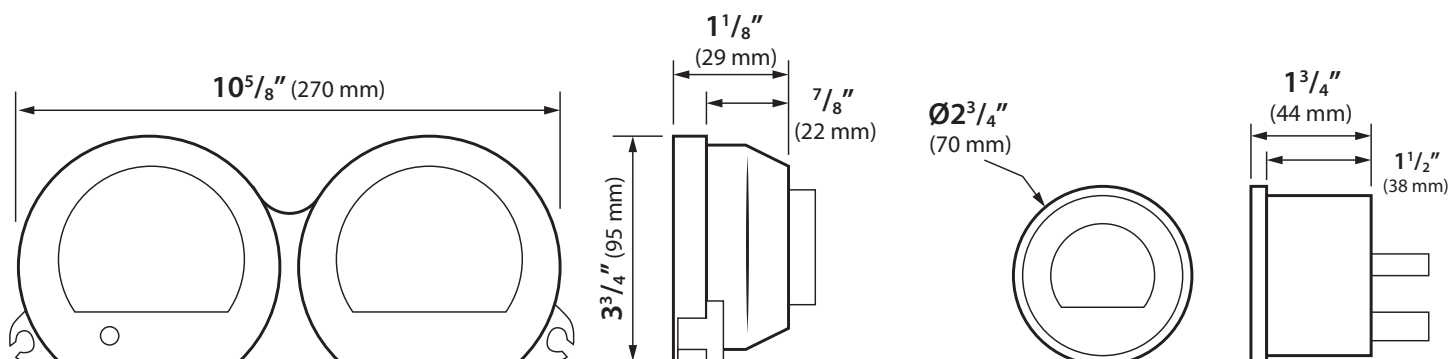
PLUG N PLAY

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 %
- **Does not fit CVO models**
- **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

new

part

BA064910

Blue LED

BA064920

Red LED

*Scan the QR for fitment chart



LED meters for Harley-Davidson® (4 pieces)

For the Harley enthusiasts, we decided to release the updated Baggers meter kit for touring models 2014 to 2020. This plug & play LED kit from Koso is now available to replace the stock meters without any hassle ! There is no need to drill holes or to rewire the meters, 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 !

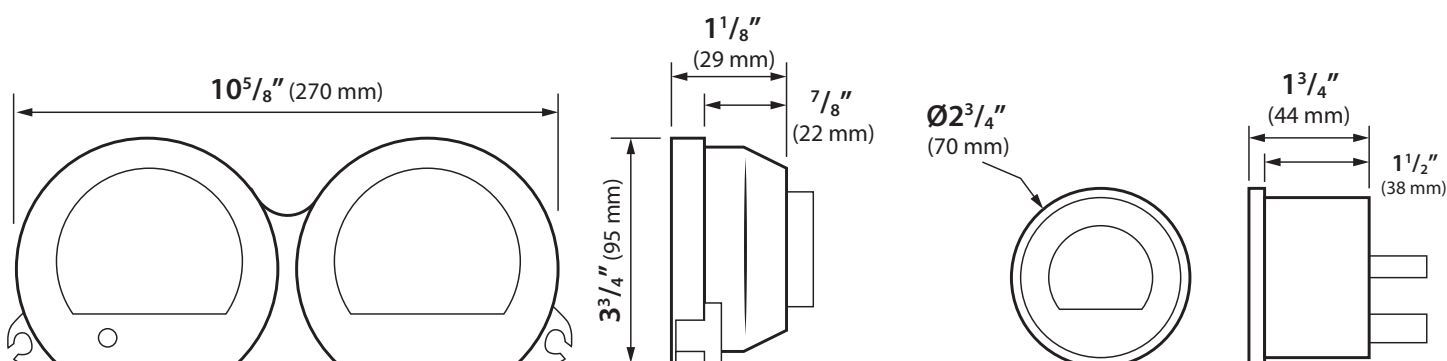


PLUG N PLAY



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 / Anti-theft / Cruise / ABS
- **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
- **Fits Harley-Davidson® FLHX, FLTC & FLTR from 2014 to 2020**
- **Does not fit CVO models**
- **Does not fit 2021+ models**



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 meters 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 meters. No need to drill holes or to rewire the meters, 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 **



PLUG N PLAY

(R = Range U= Unit)

Specifications for all HD-02 meters

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

■ Power DC 12V

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

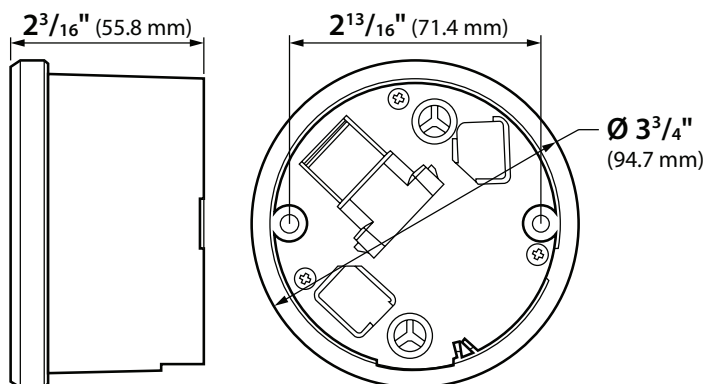
silver bezel

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 pcs 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

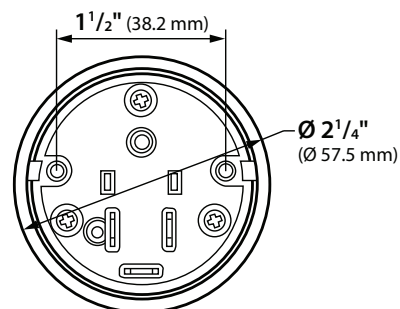
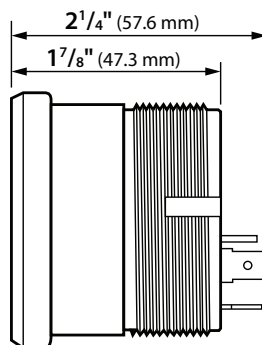
R: 0 ~ 400 °F (32 ~ 204 °C)

U: 1 °F (alternative)

■ Oil temp. warning

R: 150 ~ 400 °F (66 ~ 204 °C)

U: 1 °F (alternative)



D2

new

part

BA080000

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

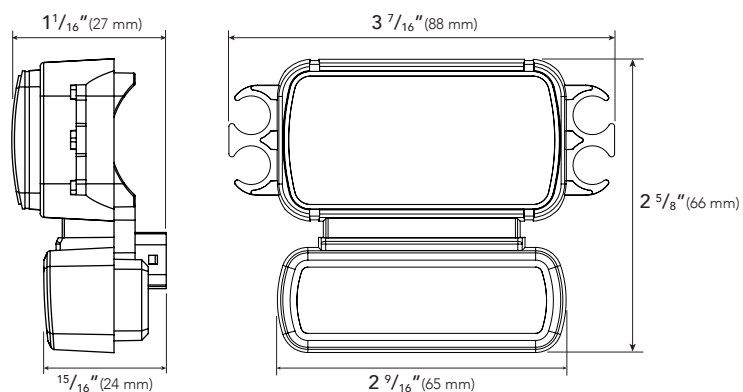
Multifunction meter for Harley-Davidson®

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 bike's vital signs. This gauge will fit directly into the stock harness and works directly with your bike's CANBUS system.



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 : 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)



- **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



D2

new

part

BA080030

Baggers 2014-2023

■ Optional air pressure sensor kit for air suspension

BZ012000

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

*Scan the QR for fitment chart



Multifunction meter 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.

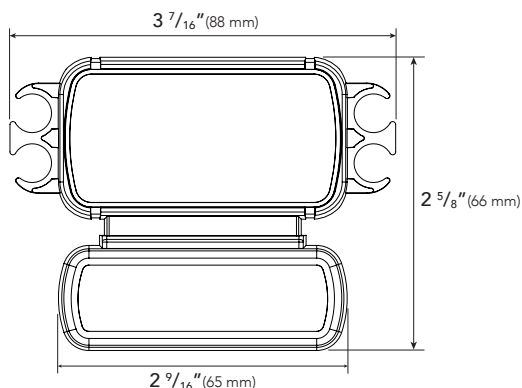
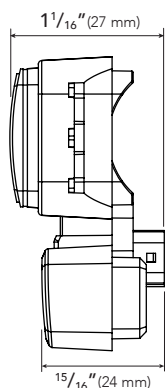
This gauge also features vital readings such as engine temperature, battery voltage, tire pressure and a complete system of indicator lights to monitor your bike's vital signs. This gauge will fit directly into the stock harness and works directly with your bike's CANBUS system.



PLUG N PLAY



Optional air pressure sensor kit for air suspension



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



D2

new

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+

*Scan the QR for fitment chart



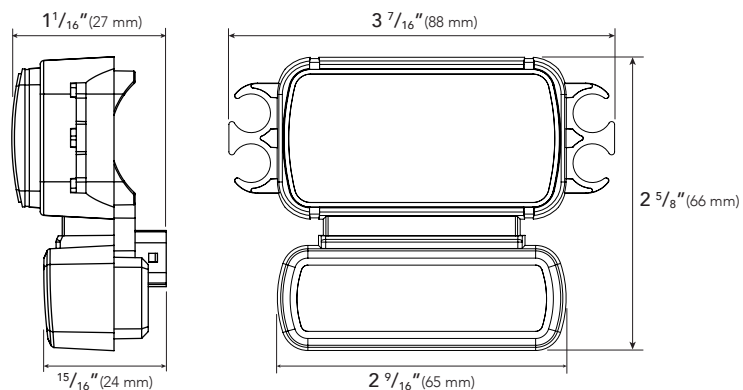
Multifunction meter for Harley-Davidson®

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.



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 : 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



HD-04

part

Fits XL-883 & XL-1200 2004 to 2013 & Dyna 2004-2011

BA051201

silver bezel

BA051211

black bezel

Fits XL-883 & XL-1200 2014+, Softail 2011+ & Dyna 2012+

BA051221

silver bezel

BA051231

black bezel

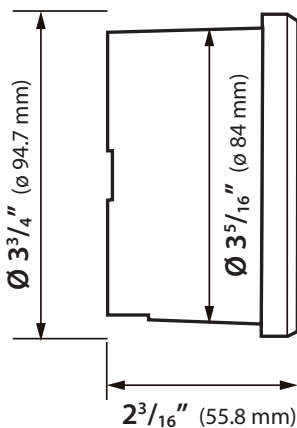
*Scan the QR for fitment chart



meter 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 $\frac{3}{8}$ " stock meter mounting cup models



HD-05

new

part

Fits Dyna 2004-2011, Softails
2004-2010 & Road King 2004-2013

BA072100

silver bezel

BA072110

black bezel

Fits Dyna 2012+, Softails 2011+ &
Road King 2014+

BA072000

silver bezel

BA072010

black bezel

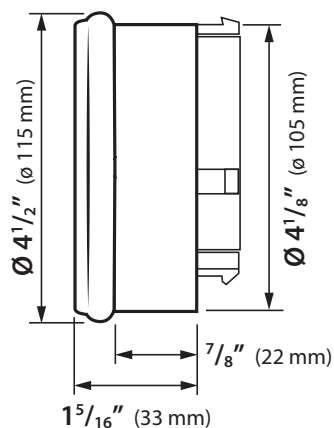
*Scan the QR for fitment chart



multifunction meter 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.

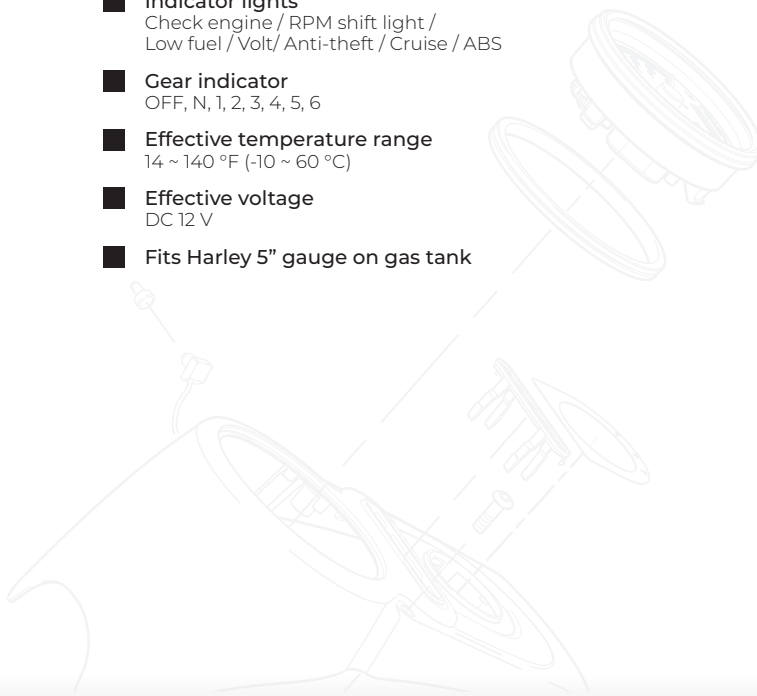
These plug and play kits fit directly into the stock harness and work directly in relation with your bikes CANBUS system.



(R = Range U= Unit)

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 RNG 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**



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

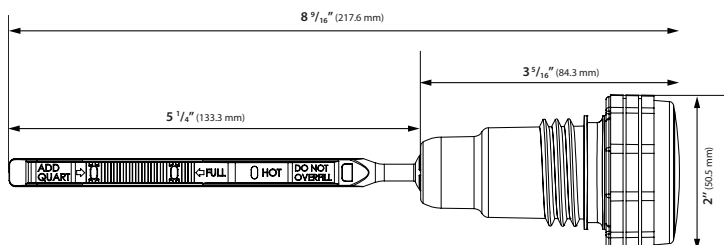
The Harley Davidson Oil dipstick by Koso is a fast and simple solution to verifying oil level as well as temperature. The push to power technology provides the ability to check your bike's oil vital signs on the go or at a red light with ease.



(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

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

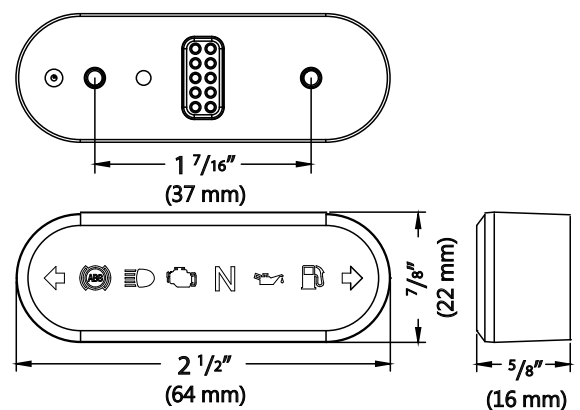
BA083000

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



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)

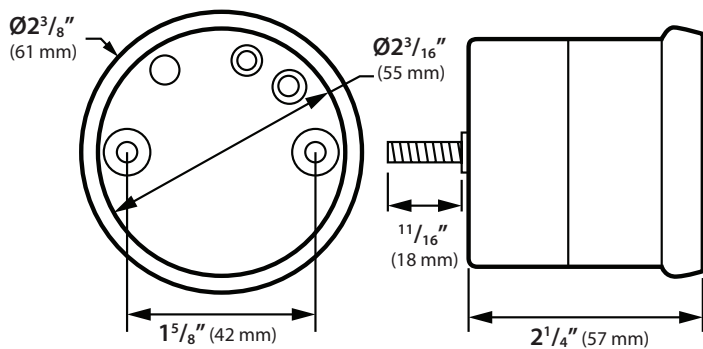
Effective voltage DC 12 V

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.



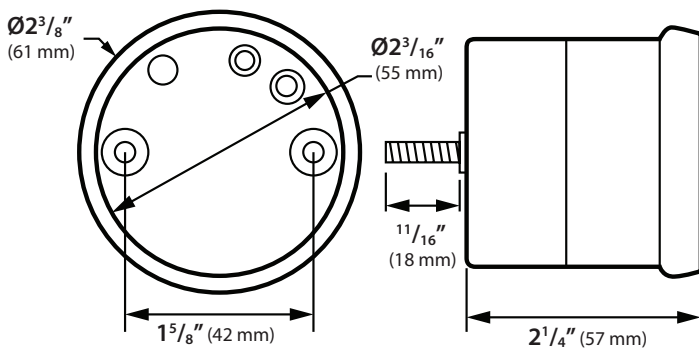
part

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

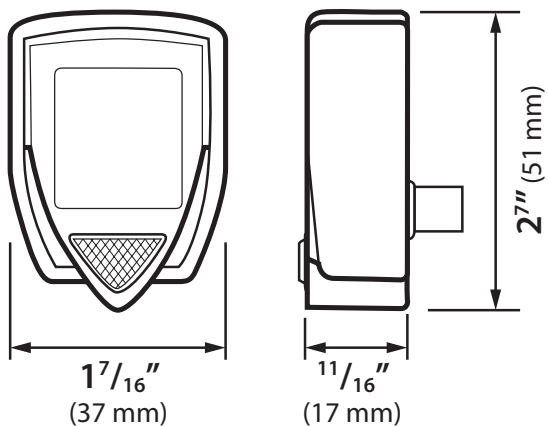
- Gear indicator
R: N, 1, 2, 3, 4, 5, 6
- Effective temperature range
14 ~ 140 °F (-10 ~ 60 °C)
- Effective voltage
DC 12 V

*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.





HARLEY-DAVIDSON

Harley-Davidson control panel featuring a red LCD display showing 2:22 and Set. To the left are buttons for COM, INT, NAV, and an ON button, along with numbered buttons 1, 2, and 3. To the right are buttons for 4, 6, and a CRUISE control button.



Heated equipment





Apollo

part

AM111010

120 mm

AM111030

130 mm

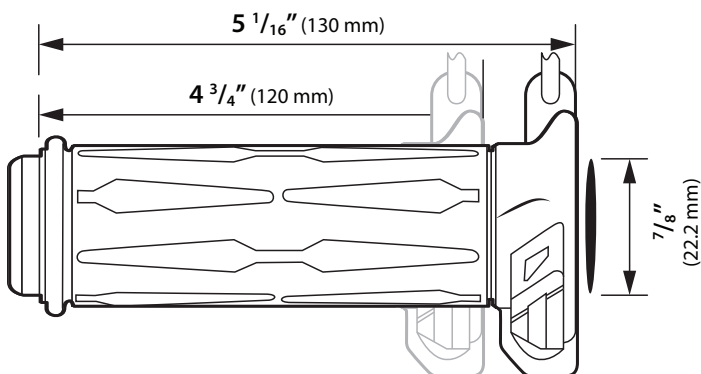
Heated grips universal fit

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.

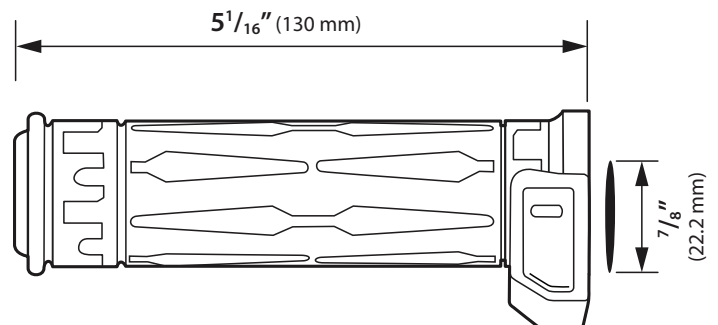


Specifications

- 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



part

AX073010

L: 7/8" – R: 7/8" handlebar

AX073210

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

Apollo-X

part

AX118010

Electric throttle

AX118210

Cable throttle

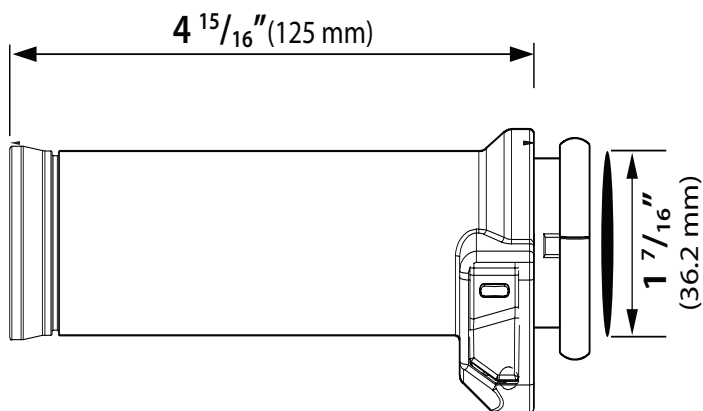
Heated Grips for Harley Davidson®

Stay under the radar with our OE style heated grips. Featuring Koso's innovative thumb switch design which enables riders to easily scroll through temperature levels without taking a hand off the handlebars. Features soft to the touch rubber comfortable for short or long rides. Fits HD electronic throttle & fly by wire. Ideal for all season riding. * Fits L: 1" — R: 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
- Made of soft to the touch rubber composite
- Internal memory that allows grips to power on at previous heat level
- Available for electronic and cable throttle models



Titan

part

AX065MG0

Chrome

Heated grips (twist throttle)

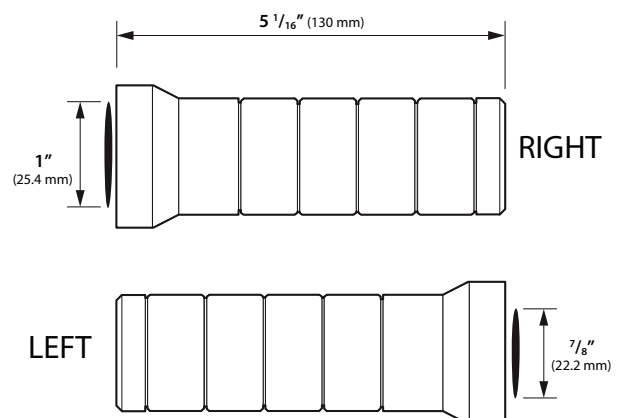
Our Titan heated grips are sure to keep you warm through all of your adventures and help yield those couple extra hours of riding that you so often crave. Featuring an external 5 color LED display controller, your temperature can easily be changed with the click of a simple button.

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

AX068K00

Electronic Throttle - Black

AX068M00

Electronic Throttle - Chrome

AX068K10

Cable Throttle - Black

AX068M10

Cable Throttle - Chrome

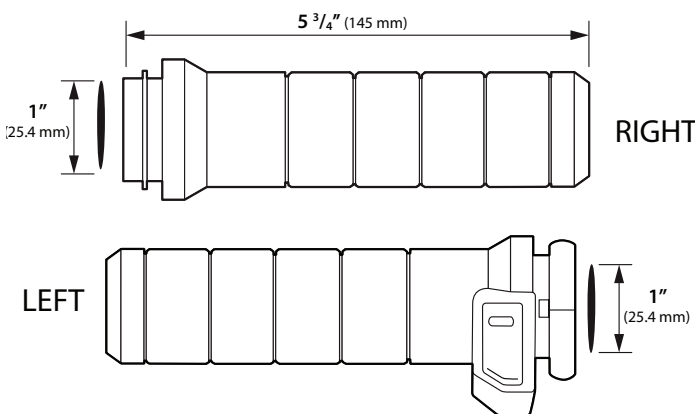
Heated grips for Harley-Davidson®

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

AX065K10

Black

AX065M10

Chrome

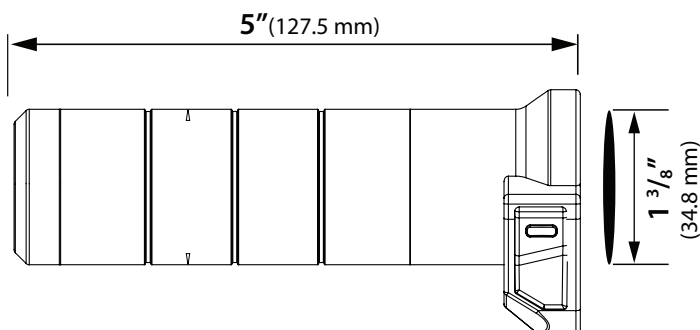
Heated grips universal fit

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



Multi Adjustment

part

AM10700F

Fits L: 7/8" – R: 1" handlebar

AM10720F

Fits L: 1" – R: 1 1/8" handlebar

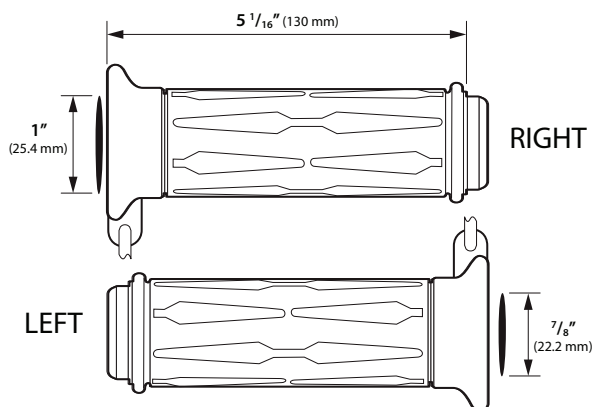
Specifications

- 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

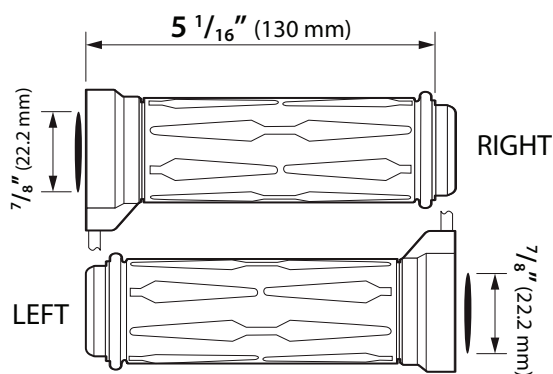
Fits L: 7/8" R: 7/8" handlebar

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

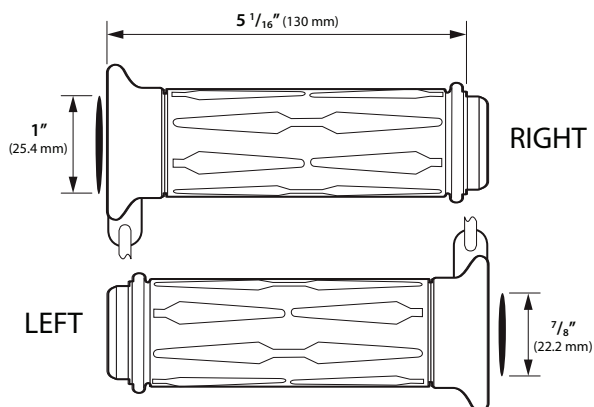
Specifications

- 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

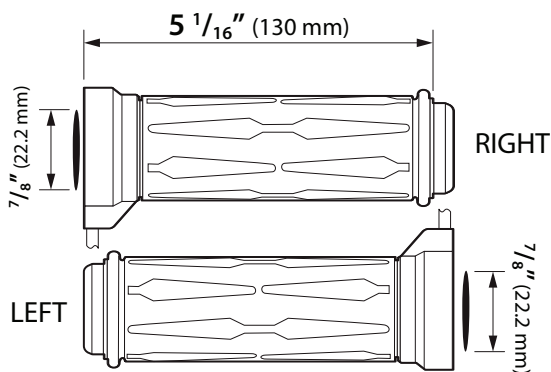
Fits 7/8" + 7/8" handlebar

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



part

AX1200M0

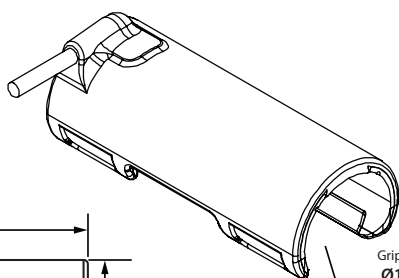
Universal fit

Specifications

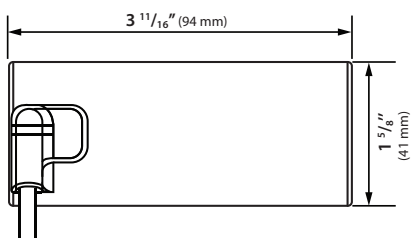
- 12V power source requires 10W minimum
- lo and hi level inline switch
- Universal fit to be clipped on any handlebar sizes
- Rubber material that is resistant to outdoor conditions and high temperatures
- Thin and flexible silicone wires make them easy to install

Heated Clip-On with Lo Hi switch (for 12V power source)

These new heated devices are for the user that does not want to commit to changing their grips but still wants 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. The power source requires a 12V connection.



Grip diameter between
 $\varnothing 1 \frac{7}{32}'' - 1 \frac{11}{32}''$
 (31-35 mm)



new

X-Claws

Heated Clip-On (for USB power source)

These new heated devices are for the user that does not want to commit to changing their grips but still wants 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 sports bag when not in use. The power source is a simple connection to your USB port (5V).



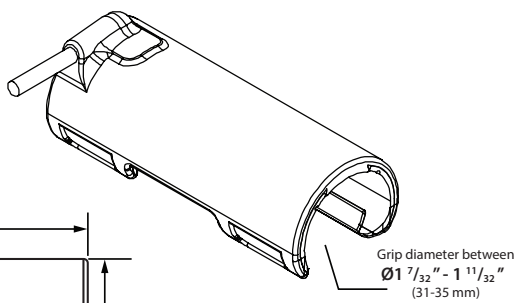
part

AX120000

Universal fit

Specifications

- Easy plug and play USB power source (5V)
- Single heating level 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



MX-1

part

AX1070G0



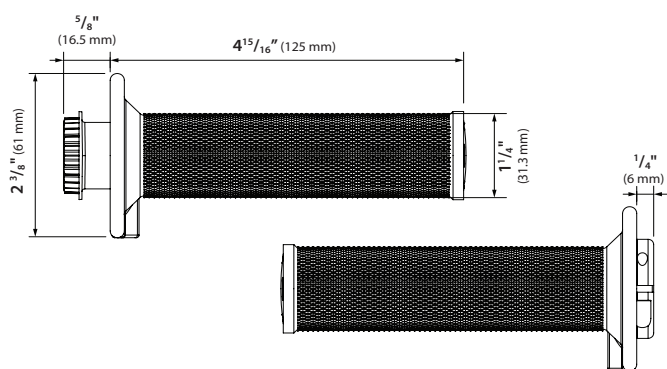
Snowmobile / dirt bike heated grips

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



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.

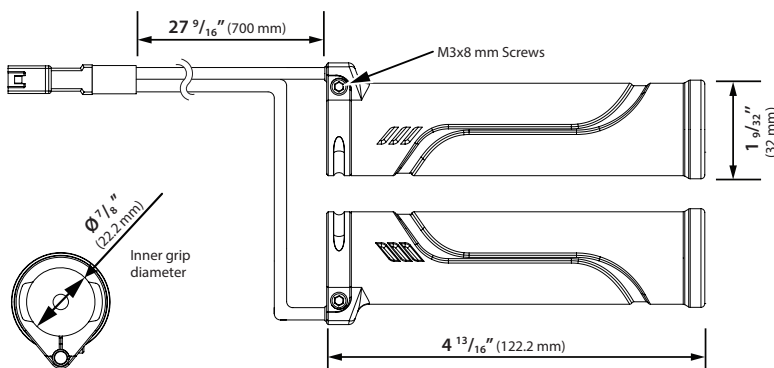
With the simplicity of the battery pack holder, it can be installed and removed in a matter of seconds and kept in any sports bag when not in use or for recharging. The power source is a simple connection to a USB port (5V).



(R = Range U= Unit)

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

new

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

AF003K00 (4.)

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



new

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 & mirrors



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

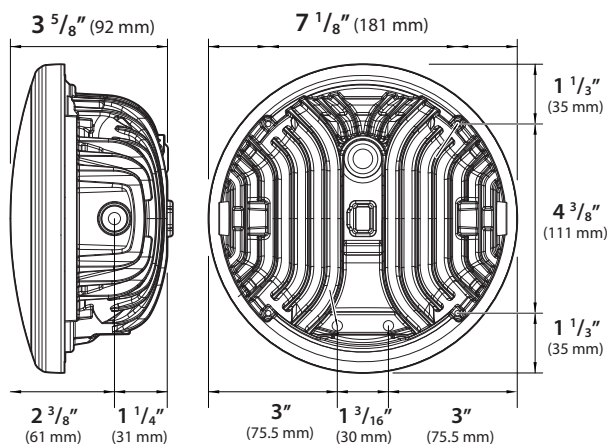
Low



High



Daytime



GH-01

new

part

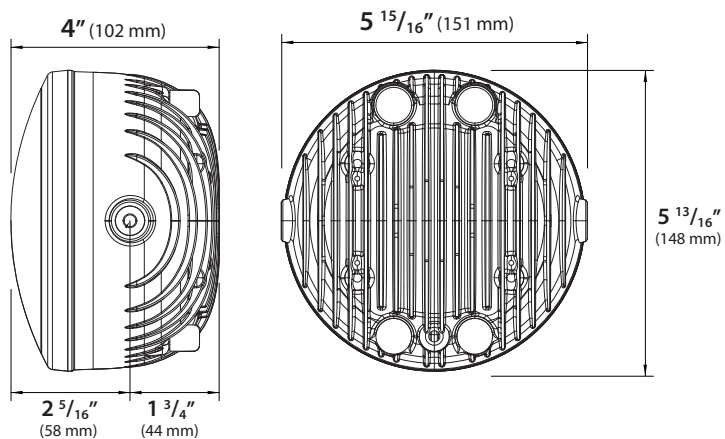
GA034000

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

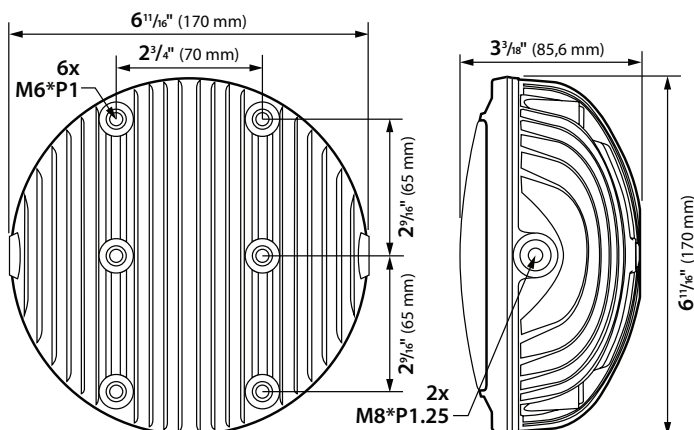
Low



High



Daytime



Hawkeye

part

GA004100

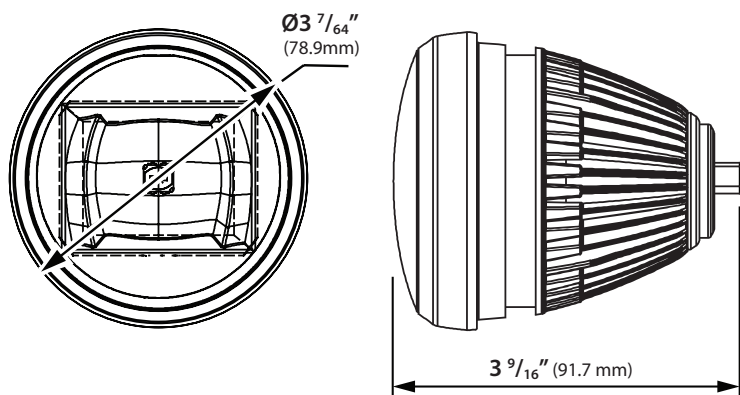
dual headlight full kit

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.



new

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 ± 0.05 A

High beam: 0.73 ± 0.05 A

Fog light: 0.66 ± 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



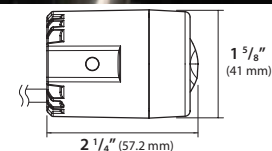
Low beam

High beam

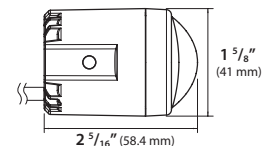
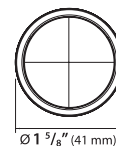
Fog light



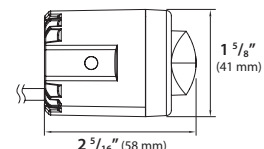
LOW BEAM



HIGH BEAM



FOG LIGHT



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

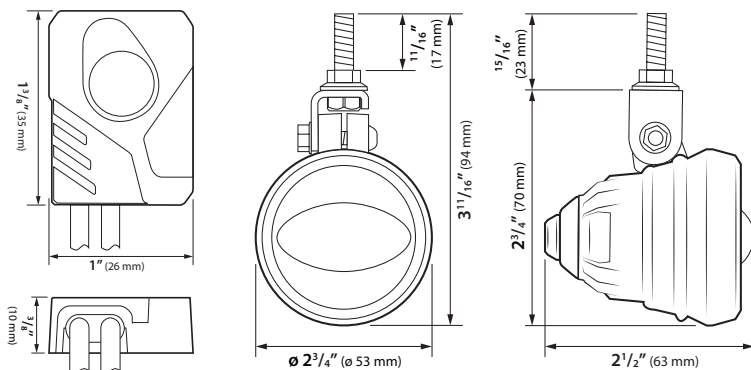
- Power: DC 12 V / 7 W

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.



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

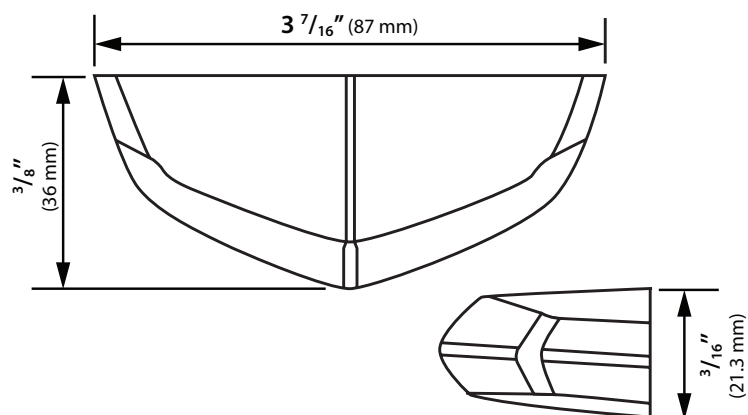
red lens

HB031100

smoke lens

Specifications

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



GT-02S

new

part

HB036000

red lens

HB036100

smoke lens

Daytime running light



Brake light



X style LED taillight

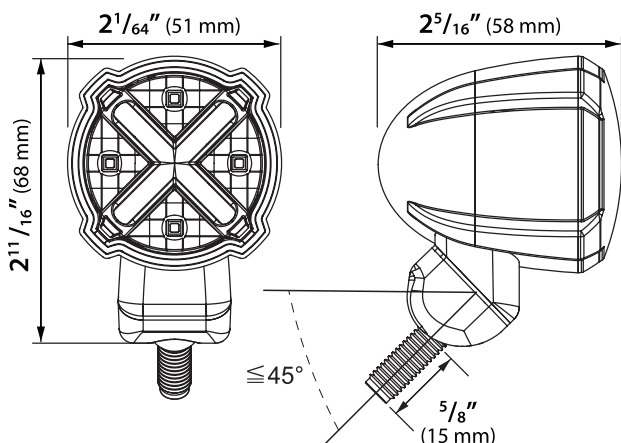
The latest LED technology in a different style taillight. This X style design will set your ride apart from any other rides on the road. The ultrabright brake LED lights will make sure you are visible for other vehicles.

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



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

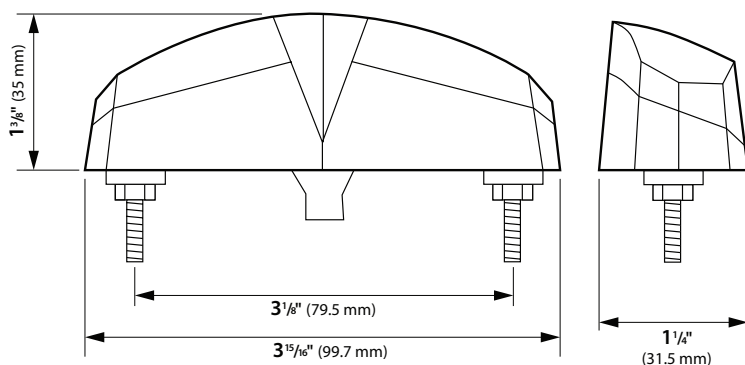
red lens

HB025010

smoke lens

Specifications

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



Nano

part

HB026000

red lens

HB026010

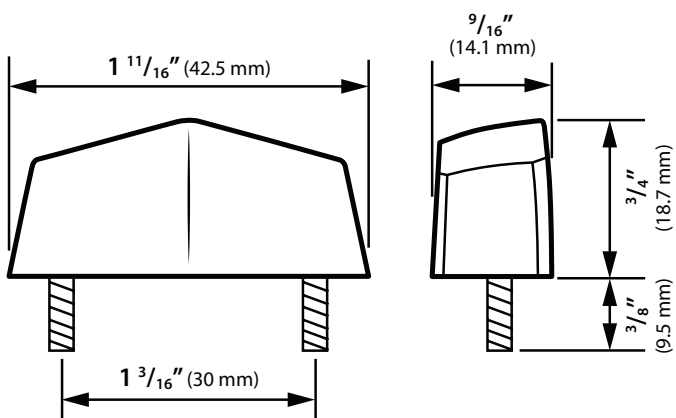
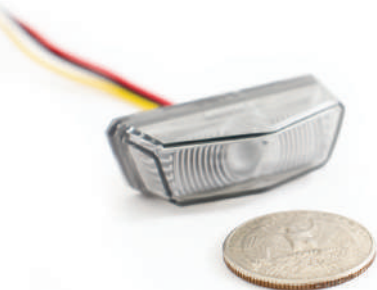
smoke lens

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

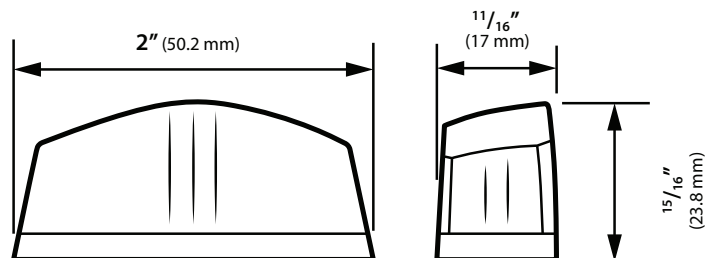
red lens

HB034010

smoke lens

Specifications

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



Solar

part

HB035020

red lens

HB035010

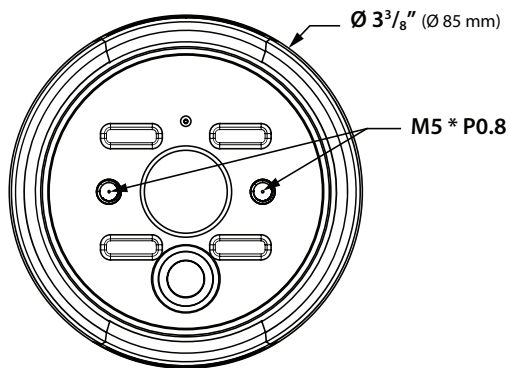
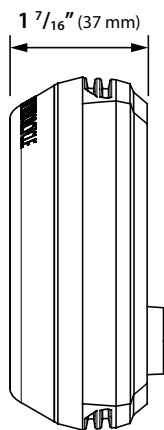
smoke lens

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.



LED license plate light

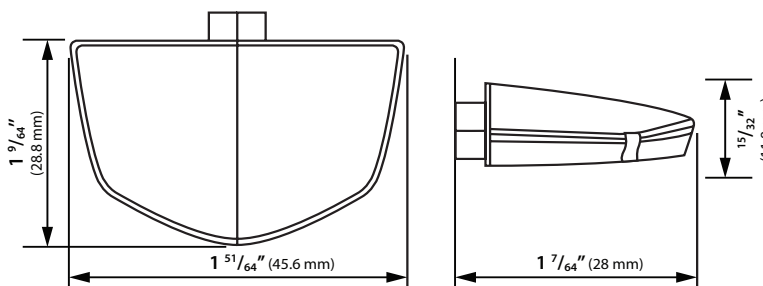
This new LED licence plate light will give your the compact and easy to install license plate light features and bring a stylish twist to your typical license plate light. Its specifications, quality components and Ultra-bright LED light are the reasons behind its DOT compliance. This item is a must to customize your motorcycle at a low cost.

part

HD009000

Specifications

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



Blade

part

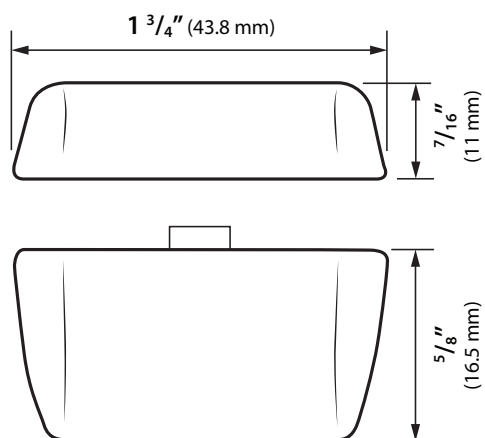
HD008000

Specifications

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

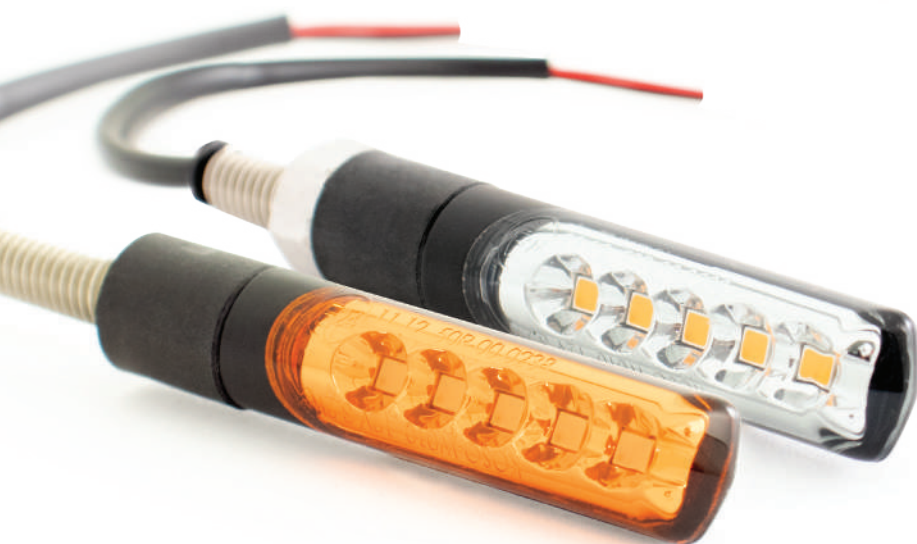
LED license plate light

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.



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

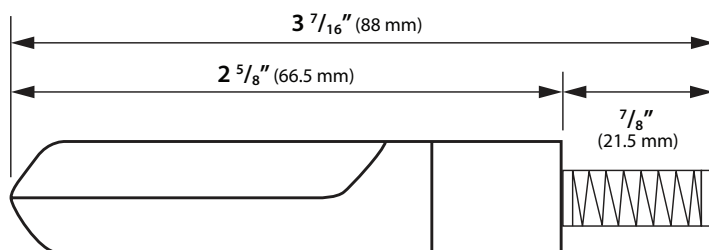
Amber

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



Knight

part

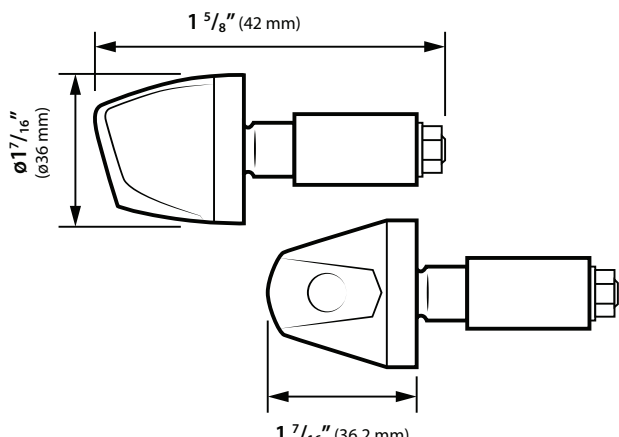
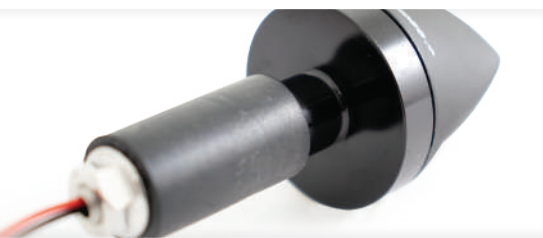
HE033013

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.



Nano

Nano LED series

Big things come in small packages. The Koso Nano LED series does not disappoint. These pea sized LED indicators are available as turn signals, brake light or a dual function brake light + turn signal combo. Small in size but big on brightness, the Nano(series, collection) features high power LEDs that are sure to be seen by all vehicles on the road day or night.



part

HE041001

indicator (pair)

HE041101

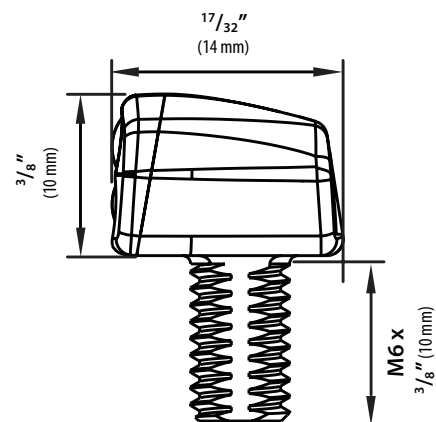
dual (pair)

HE041200

brake light (single)

Specifications

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



Nuovo

part

HE032010

smoke lens

HE032020

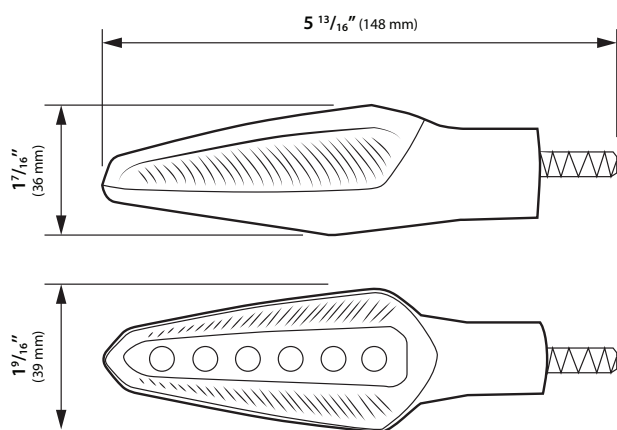
amber lens

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.



new

GW-02

part

HE044000

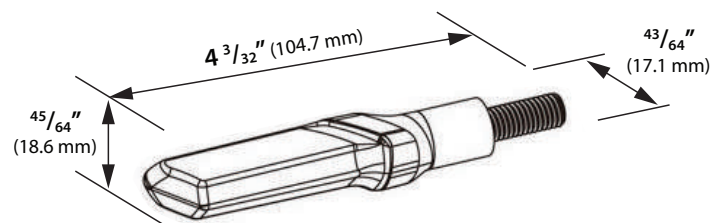
Smoke

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.

Specifications

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



Unlimited

part

HE015K14

matte black

HE015S12

silver

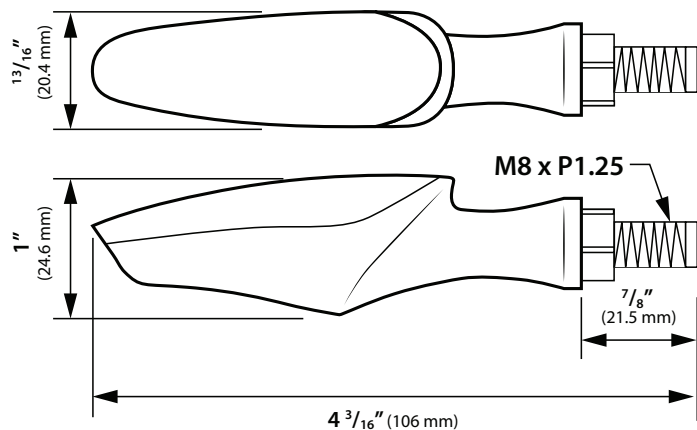
LED indicator lights

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



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

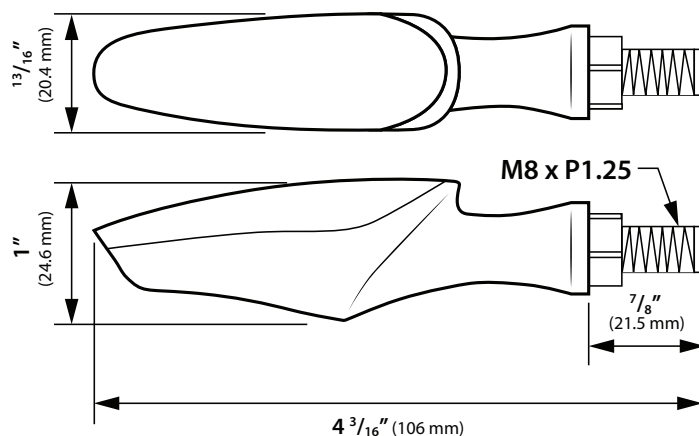
clear lens / single function

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

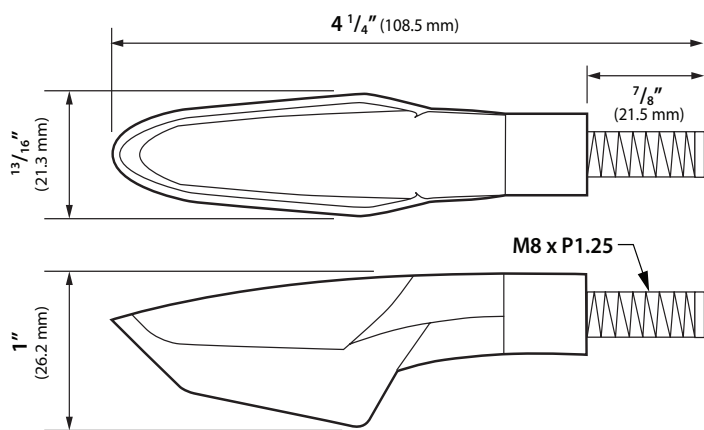
LED indicator lights

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!



Specifications

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

part

HE103K11

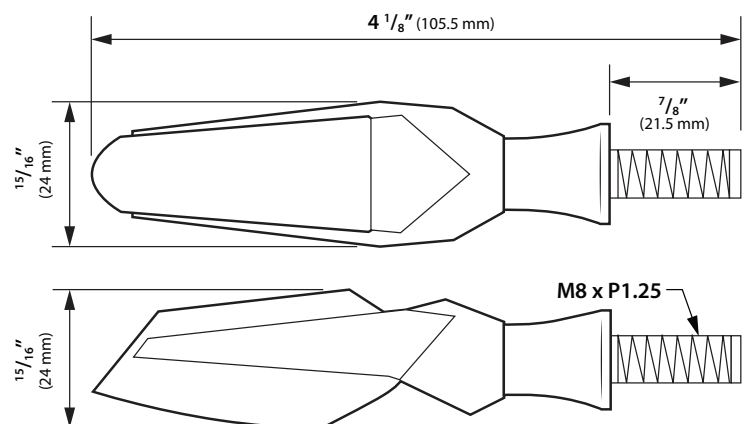
matte black / smoke lens

HE103K01

matte black / clear lens

HE103S01

silver clear lens



Cyclone

new

part

HE049101

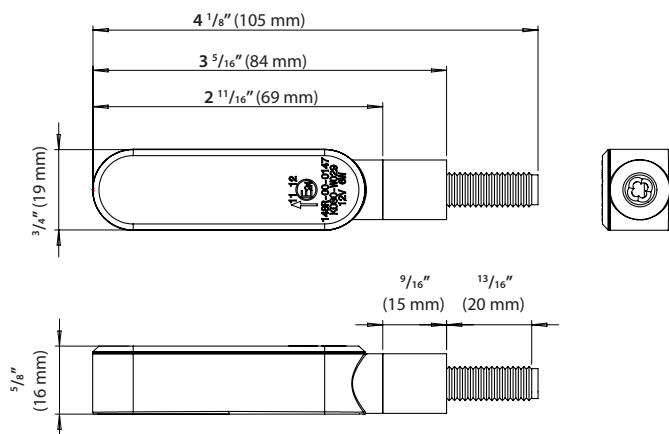
Smoke

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

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!

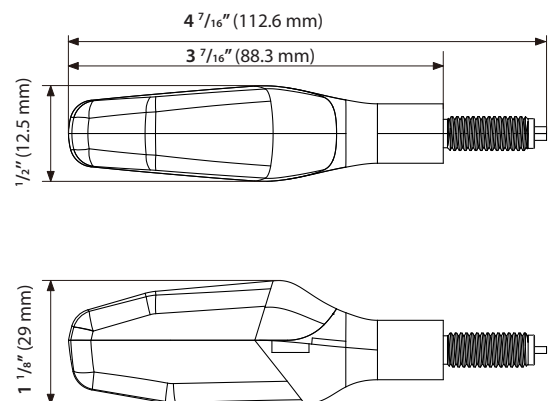
part

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



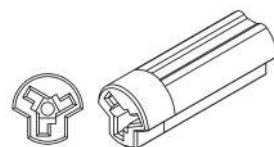
Blinker wire adapters

part

BO021053 (1.)
Yamaha

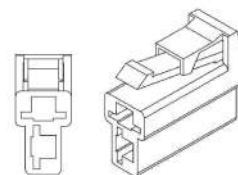
*All our winker wires are sold as a pair

1.



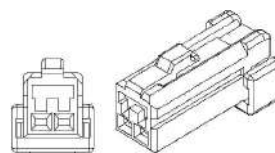
BO021101 (2.)
Yamaha MT-09

2.



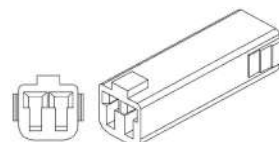
BO021071 (3.)
Harley-Davidson

3.



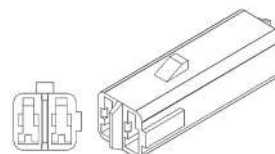
BO019022 (4.)
Suzuki

4.



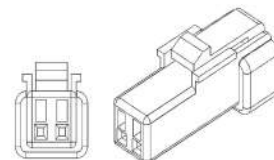
BO021005 (5.)
Kawasaki

5.



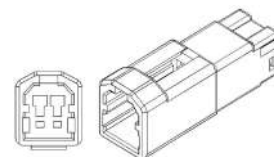
BO021091 (6.)
MV

6.



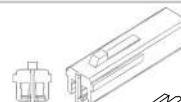
BO021061 (7.)
Ducati

7.



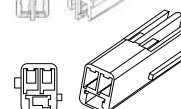
BO021006 (8.)
Honda

8.



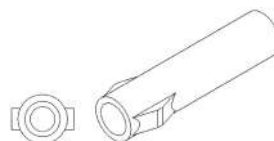
BO021163 (9.)
Honda Grom 2014+

9.



BO021081 (10.)
Triumph

10.



new

A close-up photograph of a motorcycle's handlebar area. A black side mirror is mounted on a bracket above the handlebar. The handlebar itself is black with a silver-colored grip. A turn signal lever is visible on the left side of the handlebar. The background is a blurred wooden structure.

Mirrors

TT-Style

part

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

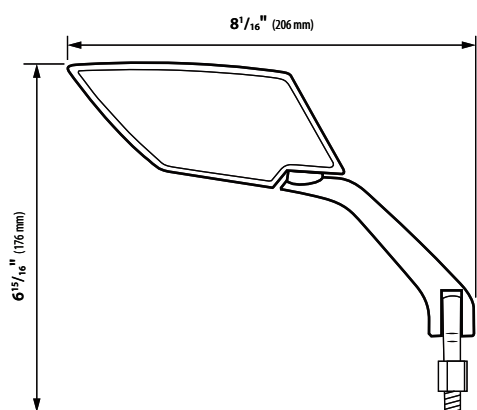
OA016CK2 ^(2.)
Carbon look shell / Clear lens

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

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

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.



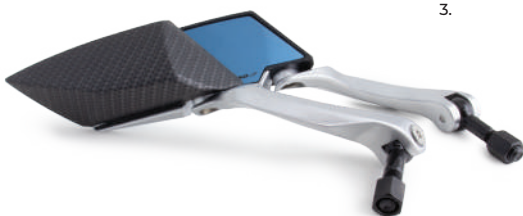
Specifications

- Carbon look shell
- Clear lens
- Silver stem



Specifications

- Carbon look shell
- Blue lens
- Silver stem



Specifications

- Carbon look shell
- Clear lens
- Black stem



Specifications

- Carbon look shell
- Blue lens
- Black stem



Sprint

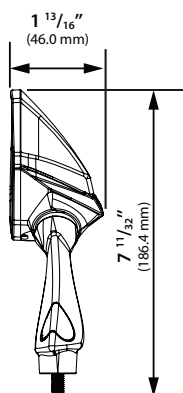
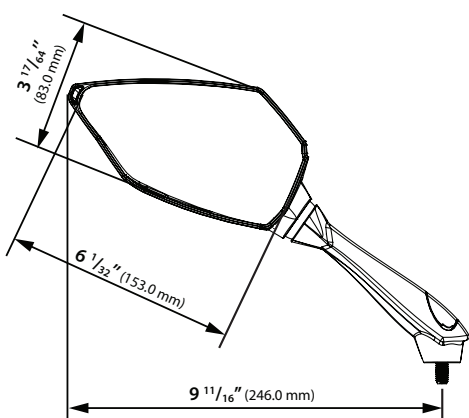
part

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.



Devils Style

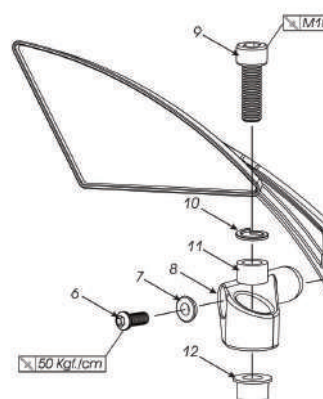
part

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.



GT Style

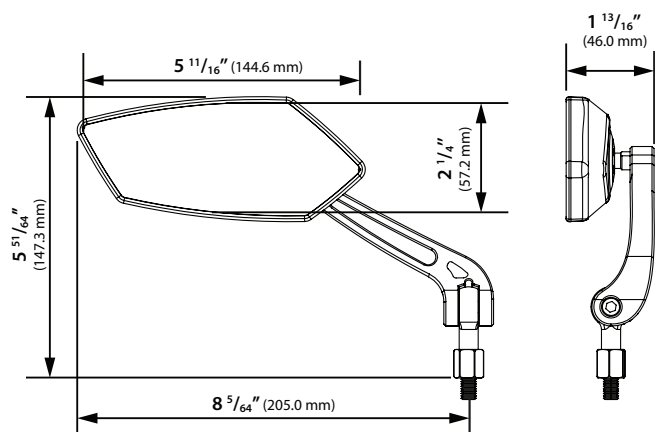
part

OA013K10

Black shell / Clear lens

Mirrors

Want something different? Our GT Style mirrors will give a unique look to your motorcycle! Available in M10 size with black matte stem and shell.



Blade

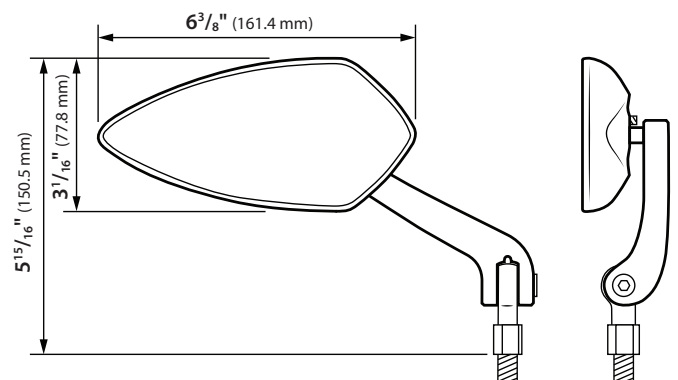
part

OA015C10

Carbon look shell / Clear lens

Mirrors

Looking for affordable and durable mirrors? Our Blade Style mirrors will customize your motorcycle and give it a special look at low cost! Available in M10 with carbon fiber look shell and black matte shell.



Apex

part

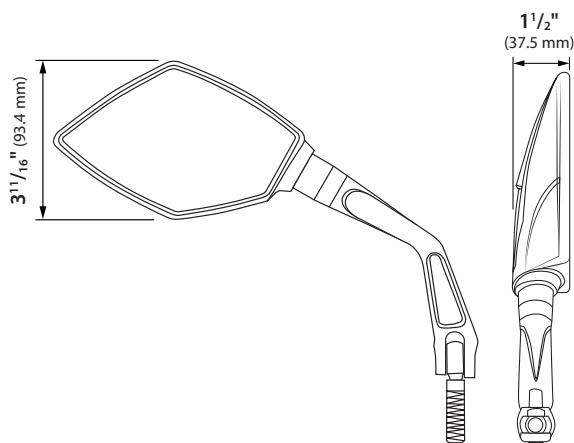
SB000010

Matte black shell / Clear lens

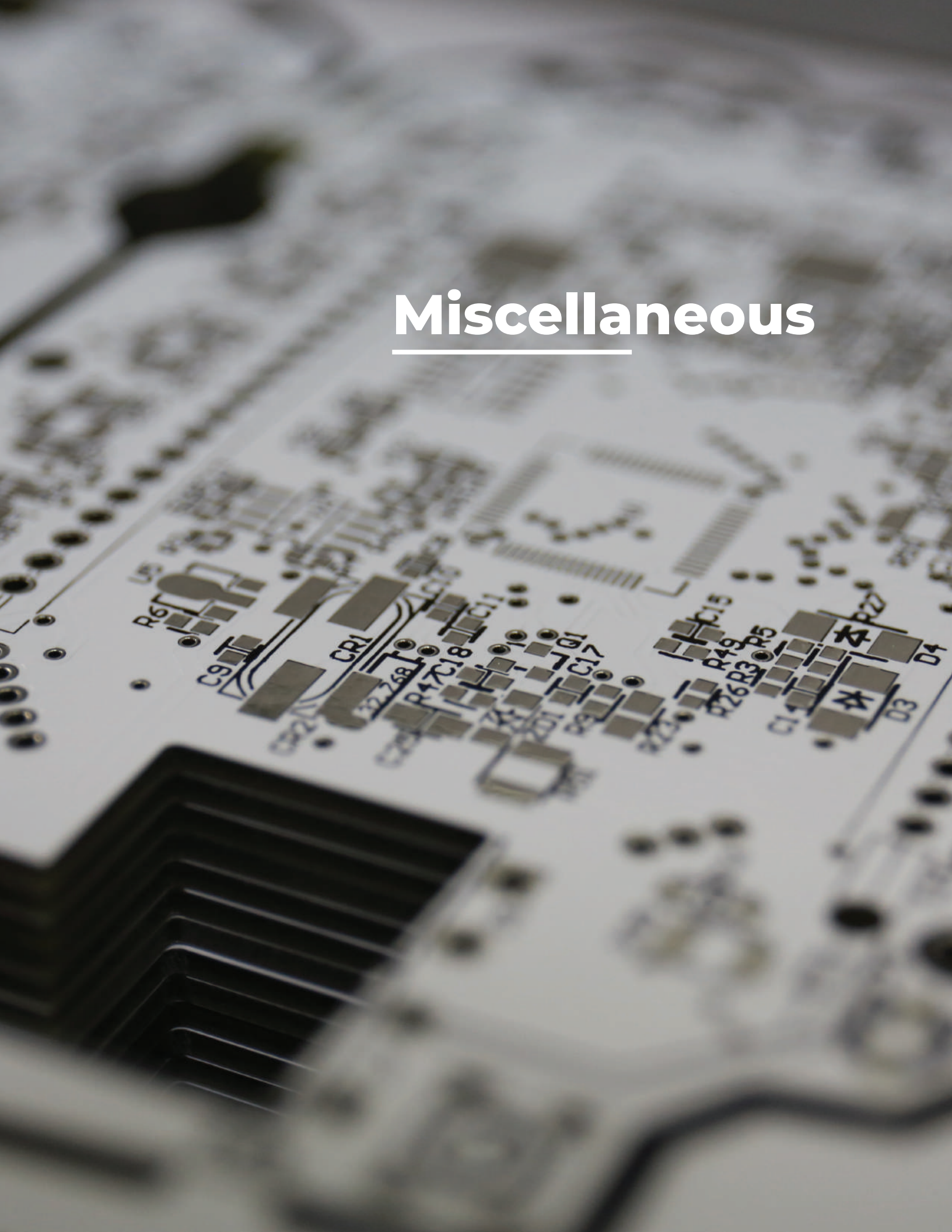


Mirrors

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.



Miscellaneous



X1

part

QR000000

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.

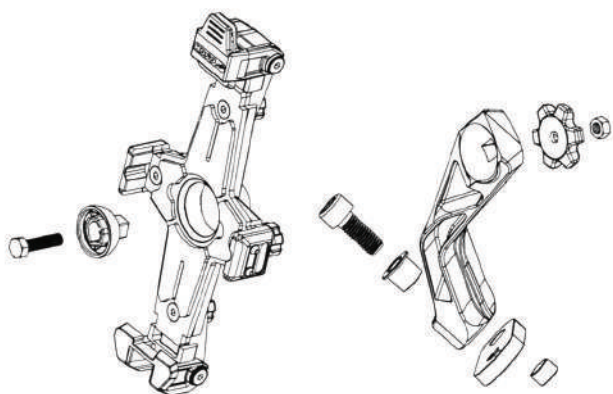
* Fits from 7/8" to 1 1/4" Handlebar.



(R = Range U= Unit)

Specifications

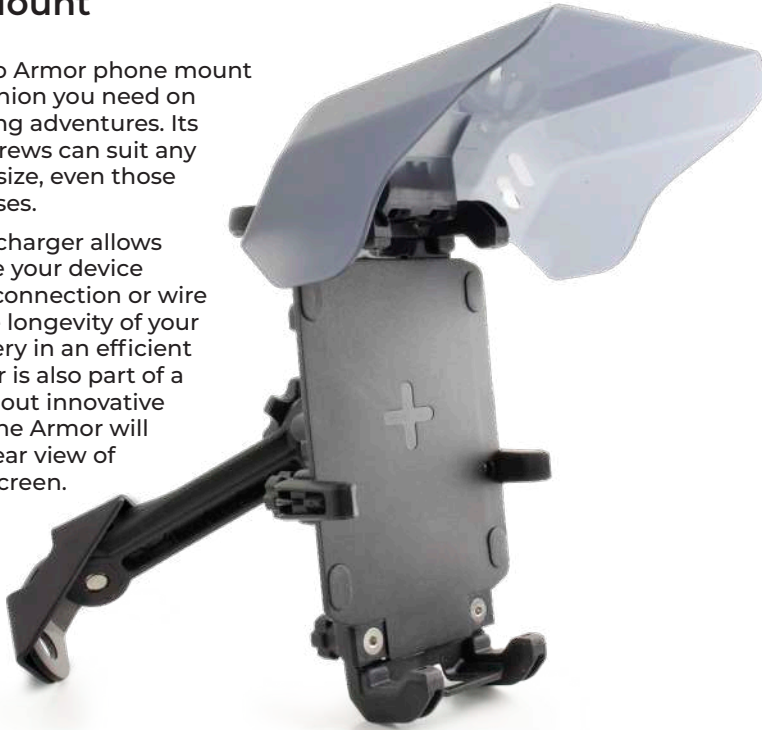
- Six-way adjustable
- Quick release & lock function design
- Allowing user to find best position by free adjustable & rotating in 360°
- Thread size : M8 or M10
- **Regular size smartphone bracket:**
Min size : length 4¹⁵/₁₆" (126 mm) x 2¹/₄" (57 mm) wide x 5⁵/₁₆" (7 mm)
Max size : length 6¹¹/₁₆" (170 mm) x 3¹/₈" (80 mm) wide x 9⁹/₁₆" (14 mm)
- **Large size smartphone bracket:**
Min size : length 5¹/₂" (140 mm) x 3¹³/₁₆" (72 mm) wide x 5⁵/₁₆" (7 mm)
Max size : length 7⁵/₁₆" (186 mm) x 3¹/₂" (91 mm) wide x 5⁵/₈" (16 mm)



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.

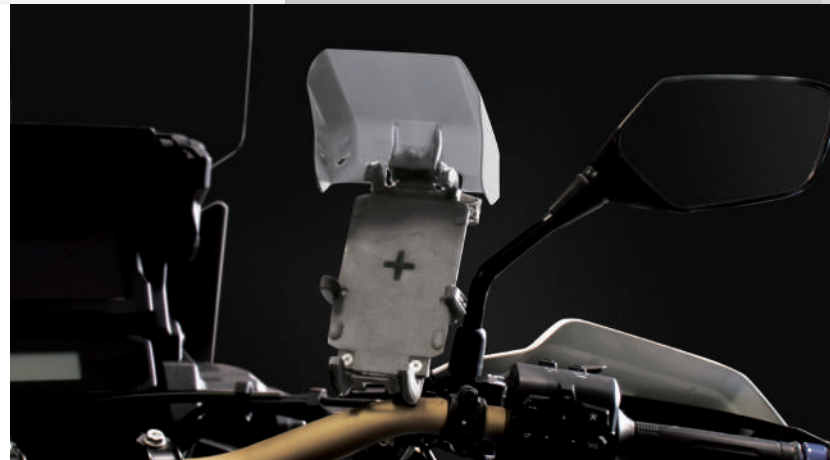
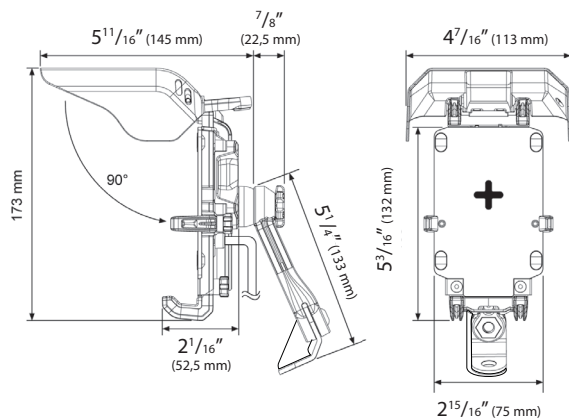
Its inductive charger allows you to charge your device without any connection or wire to extend the longevity of your phone's battery in an efficient way. The visor is also part of a well thought out innovative design that the Armor will bring for a clear view of your phone screen.



(R = Range U= Unit)

Specifications

- **Working voltage**
Voltage Range : DC 12.5 ~ 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



Type C charger

new

part

KW011000

Type C charger

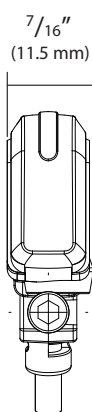
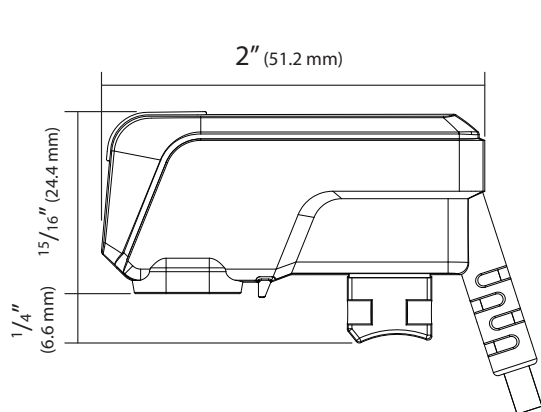
Charge your device all ride long with our new USB-C charger adapter. Whether it's a GPS, smartphone or any other small electronic device, our adaptor will keep them charged up to complete the task. This product is also equipped with a dust cover to protect the USB port from being damaged.



(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**



new

USB-C port

part

KW005001

USB-C adaptor

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

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



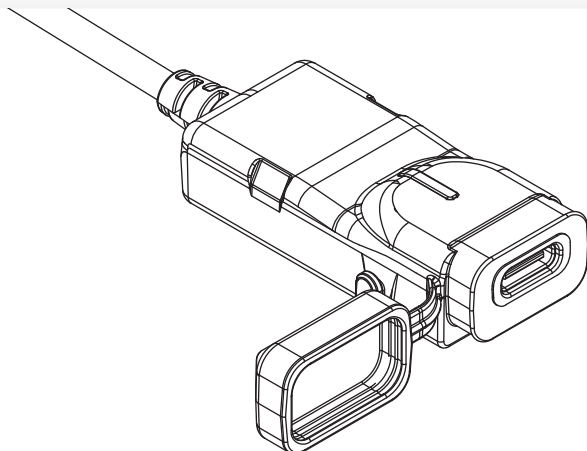
(R = Range U= Unit)

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)



■ cap retainer



■ USB-C port

USB-port

part

K0012000

Quick charge dual USB adaptor

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

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 adaptor for Harley-Davidson®

Our dual USB adaptor 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 adaptor 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 adaptor

Technology and the devices we use in today's world follow us everywhere we go. Our dual USB adaptor now provides you with the possibility of charging those precious devices while riding. Whether it's a GPS, cellphone or any other small electronical device, our dual USB adaptor 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®.



Speed signal converter C

part

BF580001 (2.)

BF580011 (3.)

JST waterproof connector



Speed signal converter D

part

BF580000 (4.)

BF580010 (5.)

JST waterproof connector



GPS

part

KK000001 (6.)

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 meter.

Specifications

- Adjustable
R: 0 to 100 k Ω



Adjustable RPM signal filter

part

BO035000 (1.)

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

2.



RPM signal filter

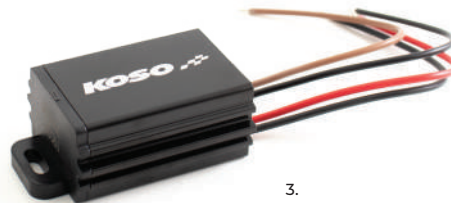
part

BG004000 (2.)

new

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

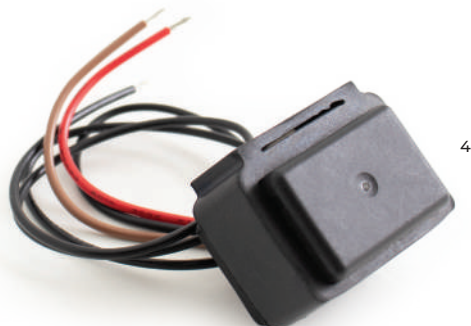
part

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 Ω



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 Ω
- 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 adaptor

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



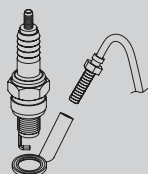
2 stroke adaptor O2 Sensor

part

BG001855 (6.+7.)
2pcs kit

XT001BG812 (7.)
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 adaptor

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

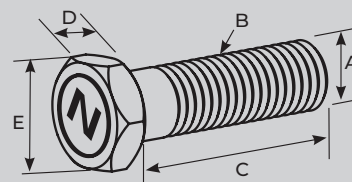
38mm

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



Hexagone magnet screw

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

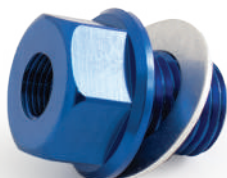
M14 x P1.25 x 15 L

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 adaptor

EGT sensor

part

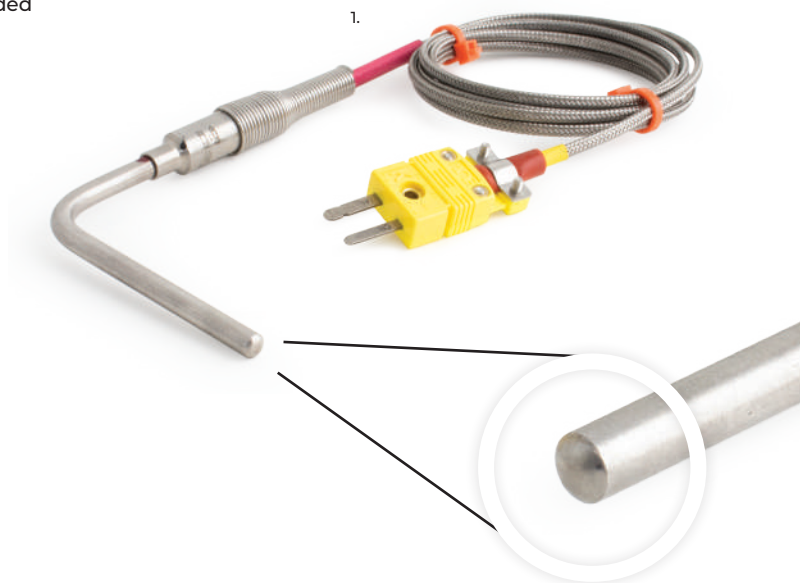
BF000100 ^(1.)



■ Clamp included

Specifications

- Standard response
- Clamp included



EGT sensor

part

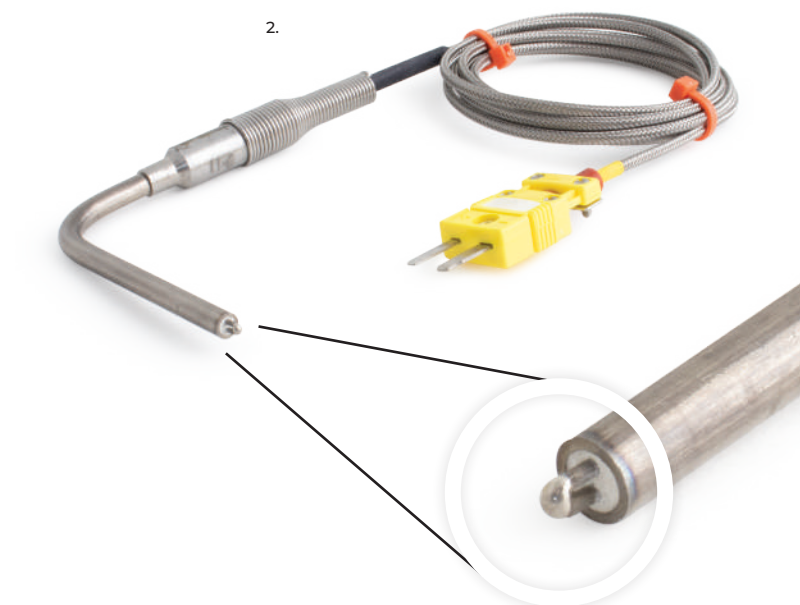
BF000101 ^(2.)



■ Clamp included

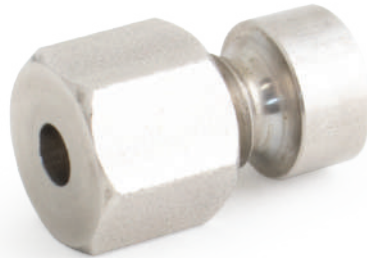
Specifications

- Fast response
- Clamp included



Specifications

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



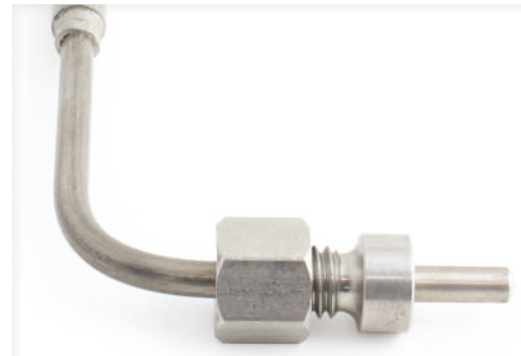
3.



EGT weld on bung

part

BI520099 ^(3.)



Specifications

- for standard or fast response sensor
- Clamp only

4.

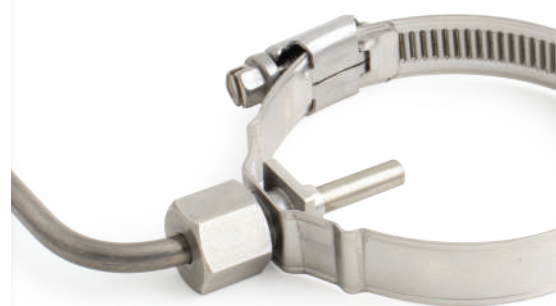


EGT clamp

part

BI520001 ^(4.)
40 - 60 mm

BI520002
60 - 80 mm



Active speed sensor

Specifications ^(1.)

- Requires any metal surface for pulse
- Standard connector

BF640006

± 78" (2,000 mm)

1.



Specifications ^(2.)

- Requires any metal surface for pulse
- JST waterproof connector

BF640J06

± 78" (2,000 mm)

2.



Passive speed sensor

Specifications ^(3.)

- 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)

3.



Specifications ^(4.)

- Requires a magnet for pulse
- JST waterproof connector

BF019J02

± 53" (1,350 mm)

BF019J06

± 78" (2,000 mm)

4.



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

Specifications

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



Speed sensor for EX-02 Enduro

part

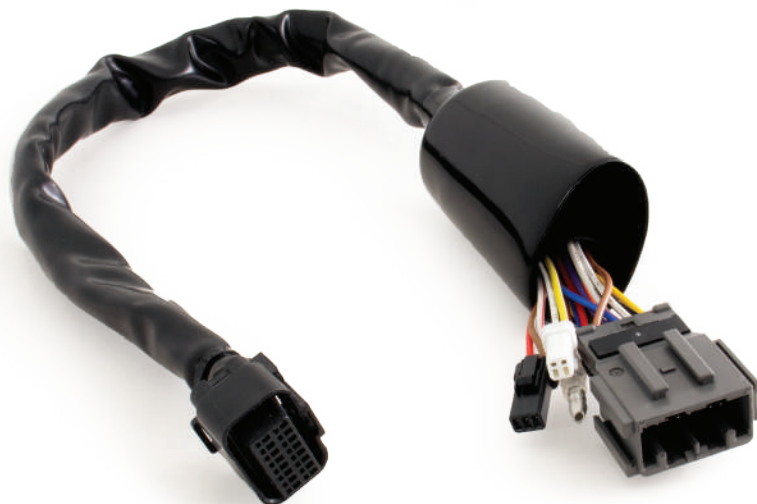
BF200000 (1.)
Japanese applications

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



new

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 ⁽¹⁾

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 ⁽²⁾

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 ⁽³⁾

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 Meters only



Bracket for TNT Meters

part

BE035000 (4.)

For TNT Meters

Bolt relocation meter bracket for
Yamaha Bolt® and Yamaha scrambler

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 meters.

Specifications

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



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

part

BE006S00 (7.)

Bracket

Index

1 Meters

NEW	RX-5.....	2
NEW	RX-4.....	4
NEW	RX-4S for Yamaha Bolt®.....	6
NEW	RX-4 for Yamaha Bolt®.....	8
NEW	RX-3.....	10
NEW	MS-01.....	12
NEW	MS-01 for Honda Grom®.....	14
NEW	RS-2.....	16
NEW	DL-04 for BMW R nine T.....	18
NEW	DL-04B for Yamaha Bolt®.....	19
NEW	DL-04.....	20
NEW	Pro 1.....	21
	Lap timer.....	22
	DB-03R.....	24
	DB-02.....	26
	DB-02R.....	28
	DB-01RN.....	30
	DB-01R+.....	31
	EX-02 (Enduro).....	32
	EX-02.....	34
	EX-02S.....	35
	XR-01.....	36
	XR-01S.....	37
	XR-SR.....	38
	DB-03SR.....	39
	DL-03A.....	40
	Wideband.....	42
	X-2.....	43
NEW	EGT-02R EVO.....	44
NEW	EGT-02 EVO.....	46
	EGT-01.....	47
	X-1.....	48
NEW	Mini4 IFR.....	49
	Mini4.....	50
	Mini4.....	51
	Mini3.....	52
	Proton.....	54
	Super slim style.....	56
	I-Gear.....	58

	Super slim touch.....	60
	CNC.....	61
	RX-2.....	62
	RX-2N.....	64
	RX-2NR.....	66
	RX-1N.....	67
NEW	TNT-05.....	68
	TNT-B.....	74
	TNT-04.....	76
	TNT-01.....	78
	TNT-02.....	79
	TNT-01R.....	80
	GP Style.....	82
	DL-Style.....	83
	DL-01.....	84
	DL-02R.....	86
NEW	HD-03.....	88
NEW	HD-03L.....	90
	HD-02.....	92
NEW	D2 for Harley Davidson®.....	96
	HD-04.....	102
	HD-05.....	104
	HD-Oil dipstick.....	106
NEW	Indicator light display.....	107
	HD-01S.....	108
	HD-01R.....	109
	Gear indicator.....	110

112 Heated Equipment

	Apollo.....	114
	Apollo.....	115
	Apollo-X.....	116
	Titan.....	117
	Titan-X.....	118
	Titan-S.....	119
	Multi Adjustment.....	120
	Multi Adjustment.....	121
	5 Level.....	122
	5 Level.....	123
NEW	X-Claws.....	124
NEW	X-Claws.....	125

	MX-1	126
NEW	HB-01	127
	Short end cap	128
NEW	Long end cap	128
	Heated grip glue	128
	Heated grip controller	128
	Controller Bracket	128
NEW	Thumb switch USB-C & USB-A	129
	Heated thumb kit	129

130 LED Lights

NEW	Zenith	131
NEW	GH-01	132
	Thunderbolt	133
	Hawkeye (headlight)	134
NEW	Mini LED headlights series	135
	Aurora	136
NEW	GT-01	137
NEW	GT-02S	138
	Infinity	139
	Nano (taillight)	140
	Hawkeye (taillight)	141
	Solar	142
	Speed	143
	Blade	144
NEW	Electro	145
	Knight	146
	Nano (indicators)	147
	Nuovo	148
NEW	GW-02	149
	Unlimited	150
	Infinity	151
	Jet	152
	Mars	153
NEW	Cyclone	154
NEW	GW-04	155
NEW	Winker wire adapters	156

157 Mirrors

	TT-Style	158
	Sprint	160

	Devils Style	161
	GT Style	162
	Blade	163
	Apex	164

165 Miscellaneous

NEW	X1	166
NEW	Armor	167
NEW	Type C charger	168
NEW	USB-C-port	169
	USB-port QC	170
	USB-port	171
	USB-port (H-D)	172
	USB-port (universal)	173
	Transmission sensor	174
	Speed signal converter C	174
	Speed signal converter D	174
	GPS	174
	Adjustable RPM signal filter	175
NEW	RPM signal filter	175
	AC/DC converter	175
	LED flasher relay	175
	Temperature sensor	176
	Temperature sensor	176
	Bosh O2 Sensor	177
	O2 Sensor adaptor	177
	2 stroke adaptor O2 Sensor	177
	Cylinder head temperature sensor	178
	Water hose adaptor	178
	Hexagone magnet screw	179
	Oil drain plug adaptor	179
	EGT sensor	180
	EGT weld on bung	181
	EGT clamp	181
	Active speed sensor	182
	Passive speed sensor	182
	Speed sensor for EX-02 Enduro	183
NEW	RX-3 Plug & play harness	183
	RX-4 brackets	184
	Optional brackets	185



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Email : info@koso-na.com



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