



**KOSO**   
NORTH AMERICA

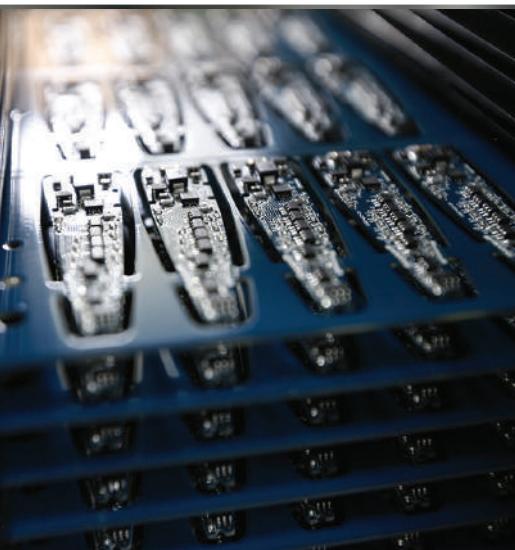
[www.kosonorthamerica.com](http://www.kosonorthamerica.com)

2026

## Koso's philosophy

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

For several years now, Koso has had the opportunity to work with and 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.



## 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.

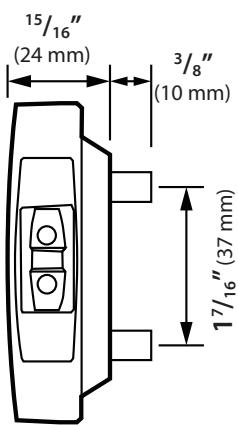
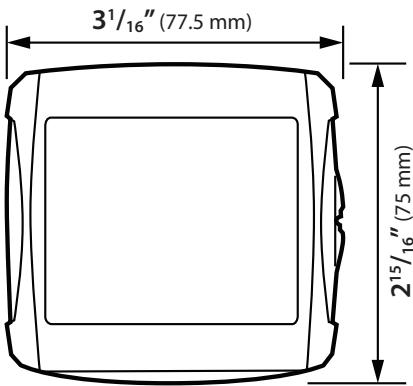
This meter is simple, user-friendly, and easy to read during day or night riding. The XR-01 speedometer is a great fit for any kind of motorcycle, scooter, ATV and more !



(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



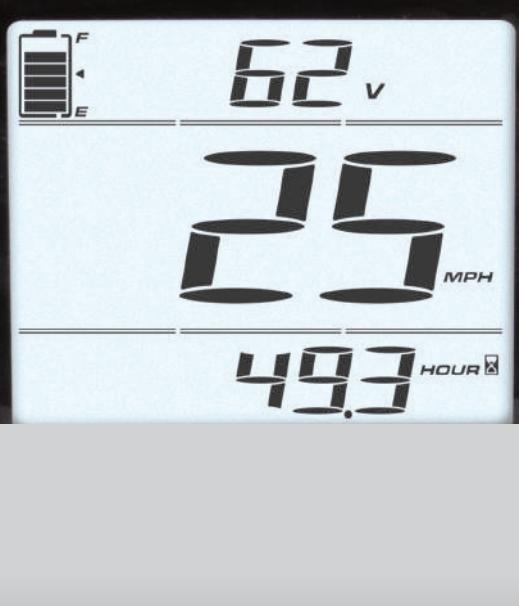
part

**BB026010**

■ Optional steering column bracket for golf cart

**BE026000**

For golf cart

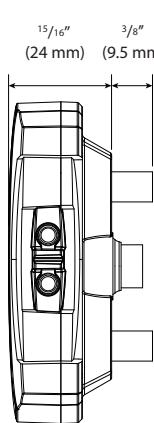
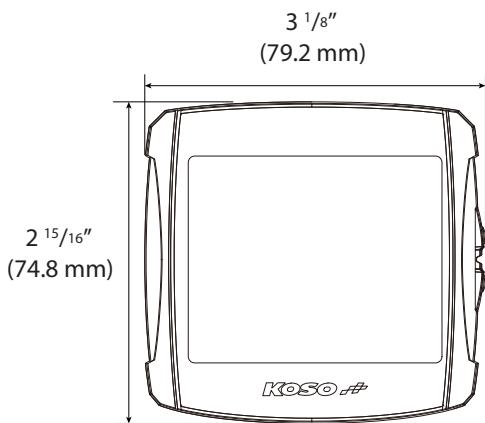


## GPS speedometer for golf carts

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



Optional steering column bracket for golf cart



(R = Range U= Unit)

## Specifications

- Speedometer**  
R: 0 ~ 225 MPH (0 ~ 360 km/h)  
U: 1 MPH or km/h (alternative)
- Odometer**  
R: 0 ~ 99,999 miles (km) | U: 1 mile (km)
- Tripmeter A/B**  
R: 0 ~ 9,999.9 miles (km)  
U: 0.1 mile (km)
- Volt meter**  
(When fuel gauge function is enabled)  
R: DC 8.0 ~ 24.0V  
U: DC 1V  
(When fuel gauge function is disabled)  
R: DC 0 ~ 85V, 6 levels (42 ~ 52V / 63 ~ 78V)  
U: DC 1V, 1 level (2V, 3V)
- Voltage BAR**  
R: 48V - 72V

- Fuel level**  
R: 6 levels
- Fuel meter**  
R: 100 Ω / 250 Ω / 270 Ω / 390 Ω / 510 Ω / 1200 Ω / SW / Custom / OFF
- Sensor included**  
GPS sensor type
- Effective temperature range**  
-22 ~ 248 °F (-30 ~ 120 °C)
- Clock** R: 24 H format
- Oil maintenance mileage**  
R: 300 ~ 5,000 Miles (km) | U: 100 Miles (km)
- Backlight color**  
R: white, red, orange, yellow, blue, light blue, purple, green
- Backlight brightness**  
R: 1/5 (darkest) ~ 5/5 (brightest)



# DL-03A

part

## BB642W30

with 6ft extension wire

## BB642W31

with 12ft extension wire

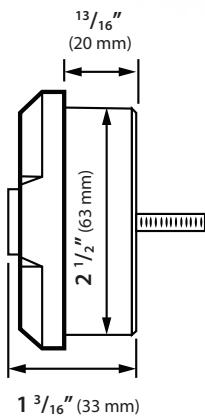
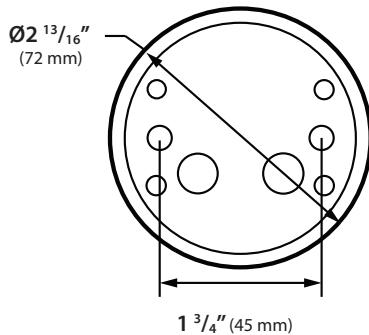


## Air/Fuel ratio & RPM data logger

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

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

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



(R = Range U= Unit)

## Specifications

### ■ Tachometer

R: 0 ~ 14,000 RPM  
U: 1 level = 1,000 RPM

### ■ Air/fuel ratio

R: 9.0 ~ 24.0

### ■ Over LEAN setting

R: LEAN 14.7 ~ 24

### ■ Over RICH setting

R: RICH 9.0 ~ 14.7

### ■ Sensor type

Bosch oxygen sensor: LSU 4.9

### ■ Compatible with 2 stroke or 4 stroke engines

### ■ "2 stroke adapter" 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

1x play / pause | 3x 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



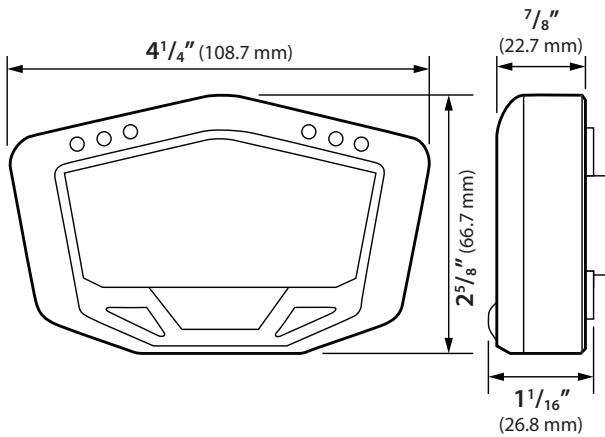
part  
**BA022W00**



## Multifunction meter (Off-Road version)

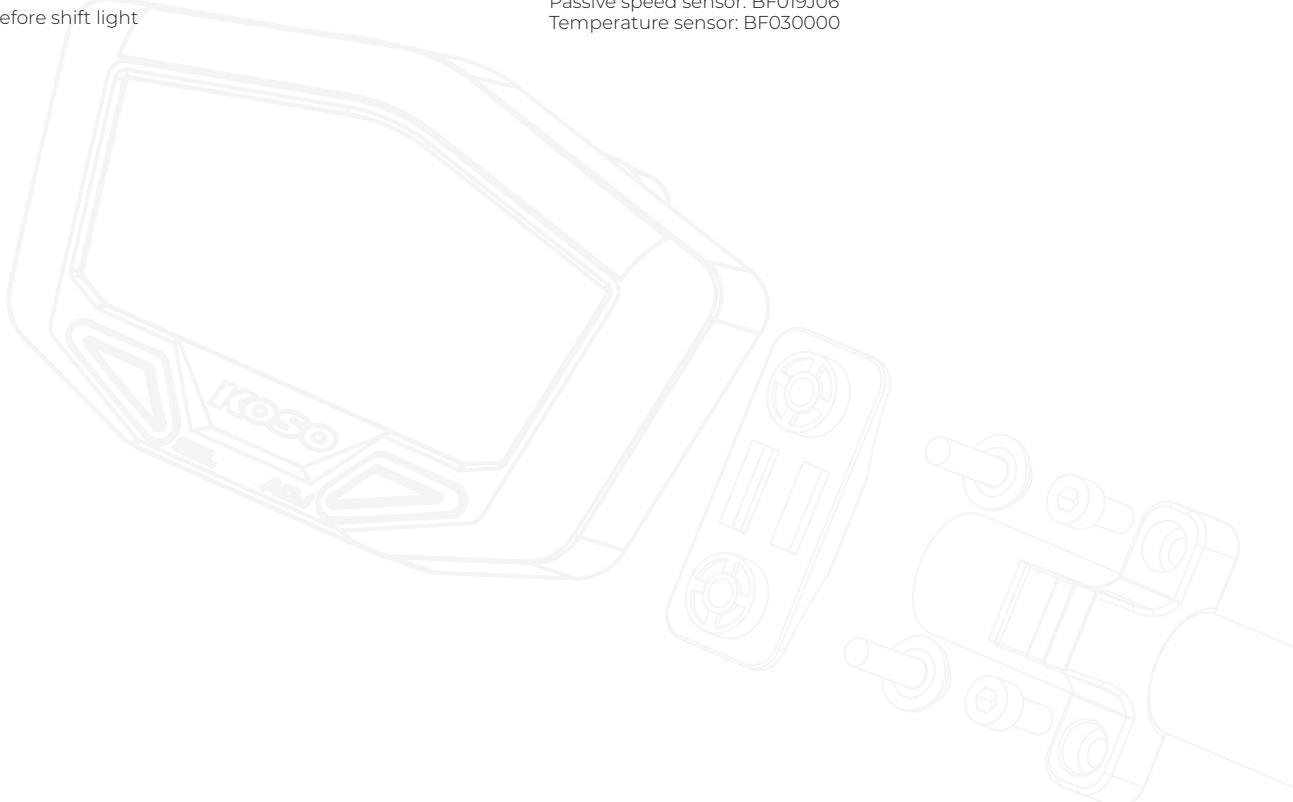
This DB-02 multifunction meter was especially made to fit your off-road needs. Its small inner battery makes it usable on all dirt bikes and ATVs that don't have a DC 12 V battery. Its great shape and nice LCD display make it the perfect meter to get for your off-road use. The changeable RPM scale allows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

This instrument also features a 3 stage shift light that allows you to shift your gears perfectly. Beside those great functions, the DB-02 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)
- **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-03R

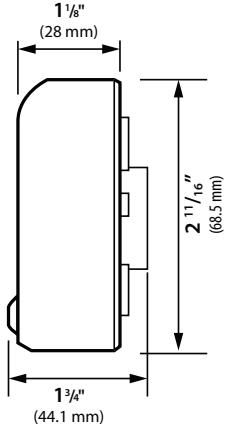
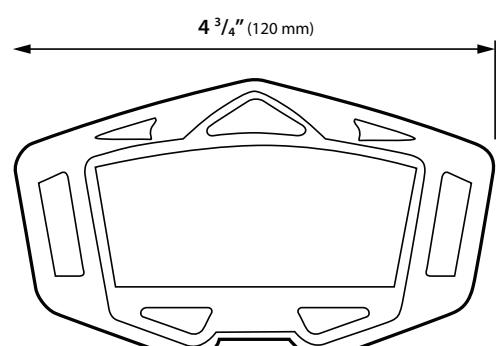
part

**BA038000**

## 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.



## 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



part

**BA004065**

standard EGT sensor

**BA004065X**

fast response EGT sensor



## Single exhaust gas temperature meter

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

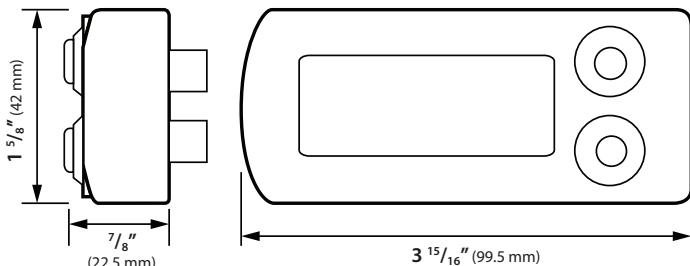


(R = Range U= Unit)

### Specifications

- **Digital EGT temperature**  
R: 250 ~ 2,100 °F (100 ~ 1,200 °C)  
U: 1 °F or °C (alternative)
- **Over temperature warning**  
R: 392 ~ 2,100 °F (200 ~ 1,200 °C)  
U: 1 °F (°C)

- **Effective temperature range**  
14 ~ 140 °F (-10 ~ 60 °C)
- **Effective voltage**  
AC/DC 12 V
- **Sensor type**  
EGT standard: 28-CKTYPE9  
EGT fast response: 28-CKTYPEX



## Dual exhaust gas temperature data logger

Like it's name suggest, 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.

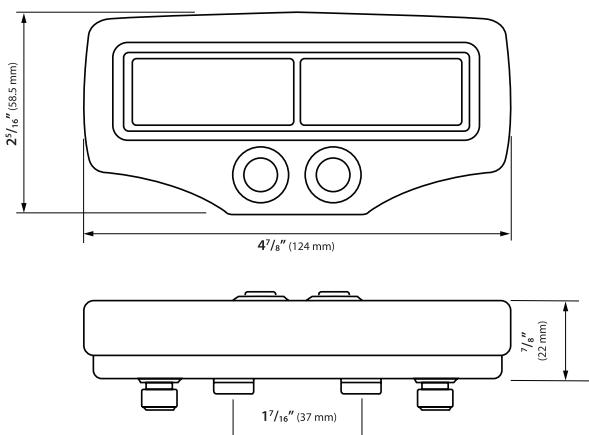
The red flashing of the screen makes it very easy to see if something is going wrong with the engine. This tool could save your motor!



(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
- 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  
1x play / pause | 3x play / pause  
1/3 x play / pause | 1x 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-02 EVO

part

**BA006000**

standard EGT sensor

**BA006000-X**

fast response EGT sensor



# EGT-02R EVO

part

**BA006010**

standard EGT sensor

**BA006010-X**

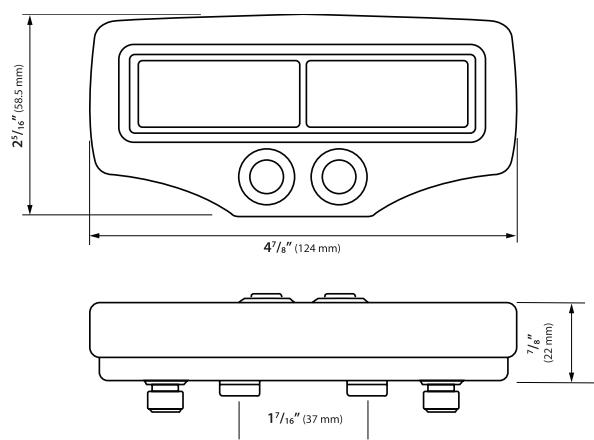
fast response EGT sensor



## Dual EGT with RPM & water temperature data logger

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

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



## Specifications

**Digital EGT temperature L/R**  
R: 250 ~ 2,100 °F (100 ~ 1,200 °C)  
U: 1°F or °C (alternative)

**Over EGT temp. warning**  
R: 392 ~ 1,832 °F (200 ~ 1,000 °C)  
U: 1°F (°C)

**Max EGT temp. record**  
R: 250 ~ 2,100 °F (100 ~ 1,200 °C)  
U: 1°F (°C)

**Volt meter**  
R: DC 0.8 ~ 18 V | U: DC 0.1V

**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**  
1x play / pause | 3x play / pause  
1/3 x play / pause | 1x 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



# Mini 5

new

part

**BA090000**



## GPS speedometer

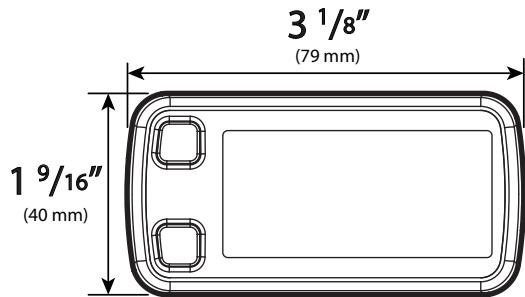
Compact and powerful, the new Mini 5 GPS Speedometer is packed with many features: Tripmeter, odometer, clock, voltmeter and an indicator light to monitor your speed and voltage level. Its integrated GPS signal will give you precise readings and keep you safe on the road. It includes a velcro setup for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



(R = Range U= Unit)

### Specifications

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



new

# EX-02G

part

**BA048GPS**

## GPS speedometer

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

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

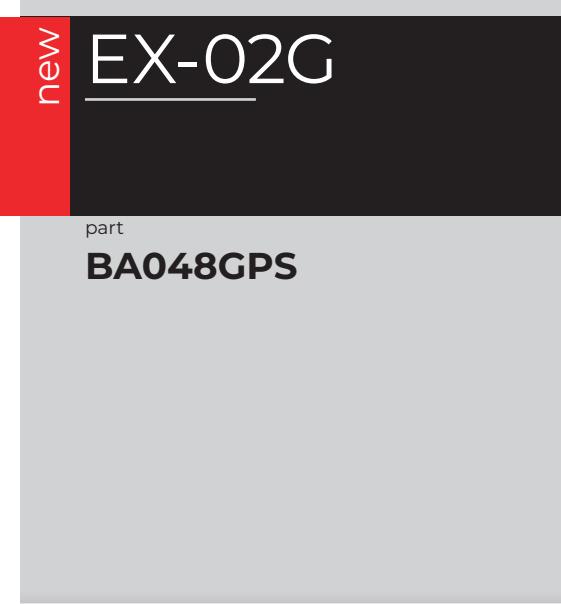
\*Requires 12V DC power



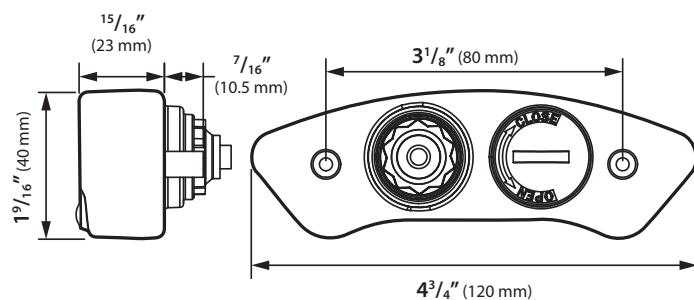
(R = Range U = Unit)

## Specifications

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



\*Comes with a GPS sensor kit



# Mini 3

part

**BA003200**

oil pressure meter

**BA003270**

ambient air temp.

**BA003190**

AMP & volt meter

**BA003160**

clock & volt meter

**BA003170**

dual temperature meter

■ Optional bracket

**BE006S00**

See bracket at page 199

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

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



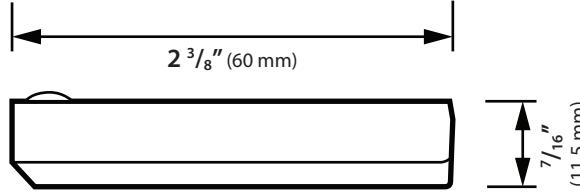
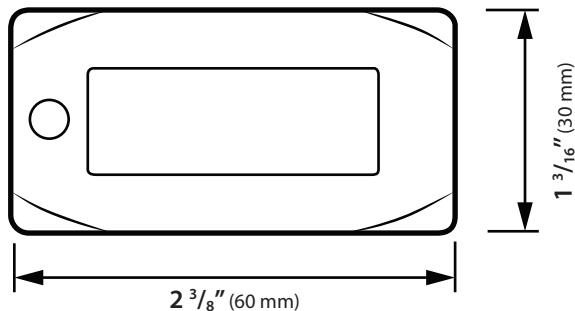
■ Actual size

(R = Range U = Unit)

### Specifications

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

■ Power DC 12V



## ■ Oil pressure meter

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

### Specifications

- Oil pressure meter  
R: 0 ~ 100 PSI (0 ~ 7 kgf/cm<sup>3</sup>)  
U: 0.1 PSI (kgf/cm<sup>3</sup>)
- Oil pressure warning  
Flashing light when  $\leq$  setting value



## ■ 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)



## ■ 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  $< 11.5 \text{ V}$  or  $> 15.5 \text{ V}$



## ■ 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  $< 11.5 \text{ V}$  or  $> 15.5 \text{ V}$



## ■ 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  $> 248 \text{ °F}$  (120 °C)
- Sensor type  
Temperature sensor:  
BF030125 1/8(BSP) x 28



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 light weight 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.

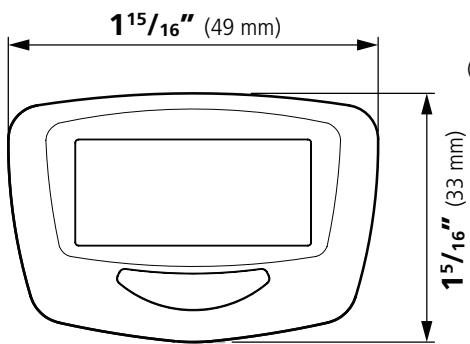


(R = Range U= Unit)

### 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

The Proton volt meter will allow you to visualise the vital signs of your motor vehicles battery saving you from potential troubles.

### 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



part

**BA067B10**

thermometer/°C version / blue

**BA067R10**

thermometer/°C version / red

**BA067R12**

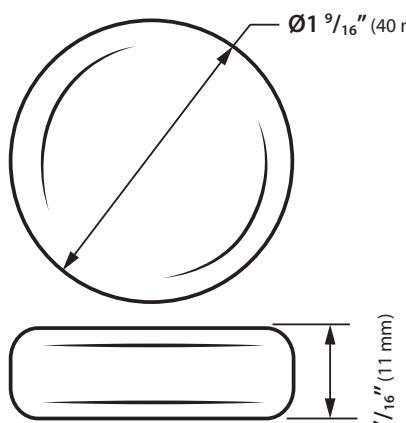
thermometer/°F version / red

**BA067R00**

volt meter / red

## Round style thermometer, volt & clock meters

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



## ■ Thermometer

### Specifications

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



## ■ Volt meter

### Specifications

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



# 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.

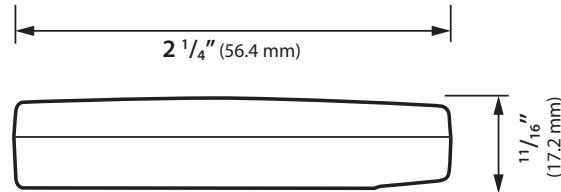
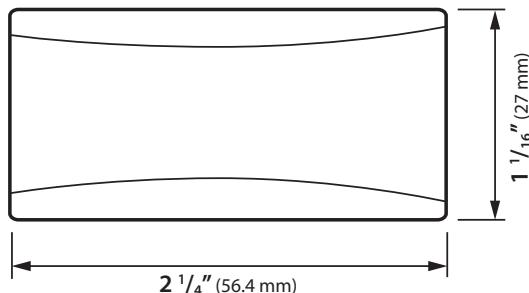


(R = Range U = Unit)

### 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



# 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

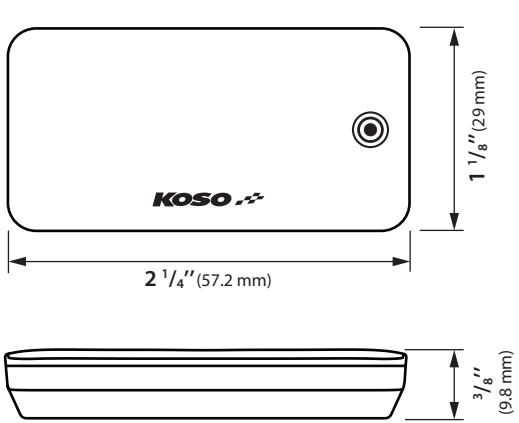
■ Volt meter  
R: DC 8 ~ 18 V  
Flashing warning light when  
< DC 8 V or > DC 13 V.

■ 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. Its LED red warning light could even save you from bad trouble!



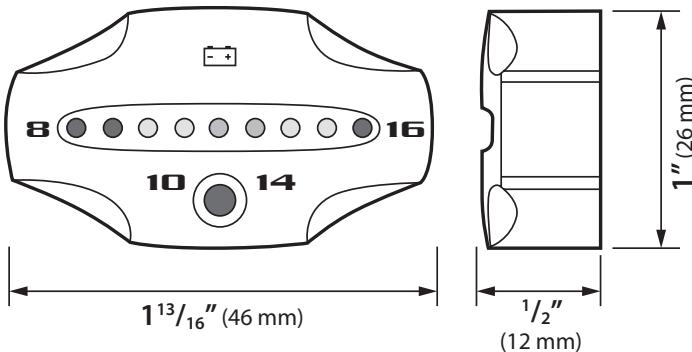
(R = Range U = Unit)



## Specifications

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

- **Effective voltage**  
DC 12 V



# Heated Steering Wheel

new

part

**AY001000**

Steering wheel

Optional steering spline  
adapters

UTV part#

Scan QR code to  
see fitment chart



part

**AZ007003**

Type C

**AZ007004**

Type D

Golf Cart part#

Scan QR code to  
see fitment chart



part

**AZ007000**

Type A



## Heated steering wheel

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

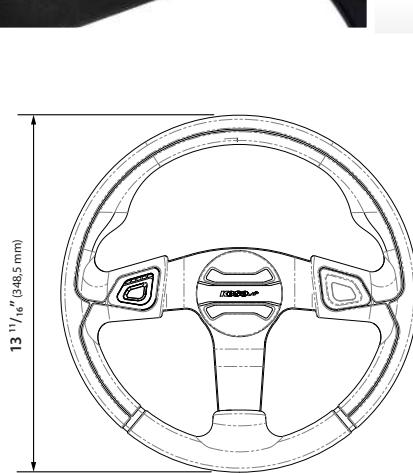


Optional steering  
spline adapters



## Specifications

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



1 15/16"  
(348.5 mm)



# 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

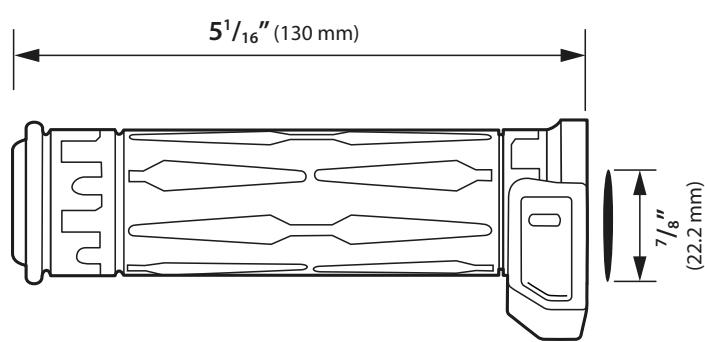
part

**AX073010**

L: 7/8" – R: 7/8" handlebar

**AX073210**

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



# Multi Adjustment

part

## AM10700F

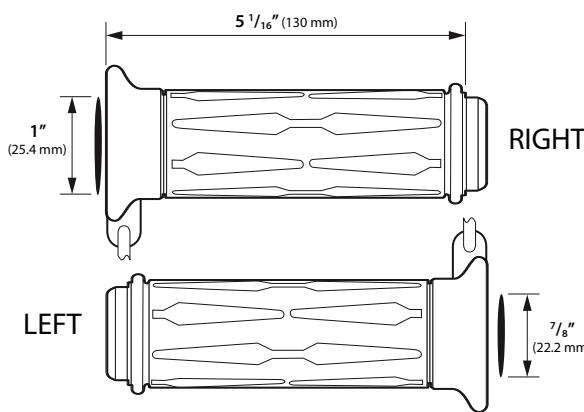
Fits L: 7/8" – R: 1" handlebar

## 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.

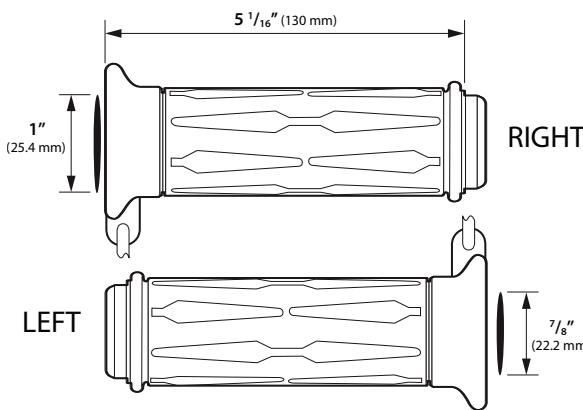


# 5 Level

## Heated grips (for twist throttle)

Also available in an assortment of sizes for motorcycles as well as ATVs 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

**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 Wraps

new

part

## AX210000

USB (5V) power source

## AX210001

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

### Specifications

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

**USB power source**  
(Part# AX210000)



**12V power source controller**  
(Part# AX210001)



### Heated grip wraps (Universal fitment)

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



**Secure Velcro attachment**



# X-Claws

## Heated Clip-On (Universal fitment)

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



part

**AX120000**

USB (5V) power source

**AX1200M0**

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

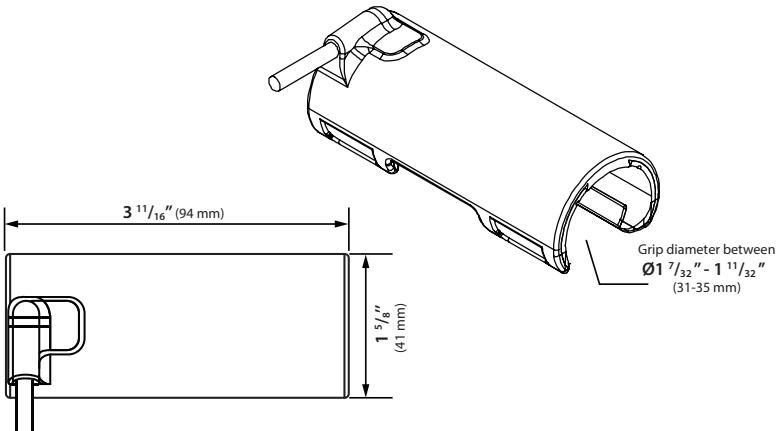
## Specifications

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

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



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



## End cap

part

**AM102B000K** (1.)

Short end cap

These end caps are designed to fit on all of our Koso heated grips.

\*Sold individually.



## Heated grip glue

part

**AM000000** (3.)

This glue is designed to withstand 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

**Fits on the following heated grips models:**

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

■ **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]

## 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.)

# Aurora

part

**HC008001**

## 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

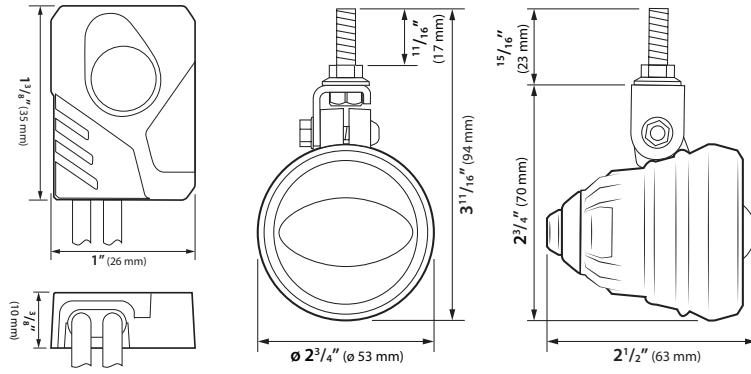


## LED fog lights

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.



# Nano

## LED taillight

Our Nano brake light is probably one of the smallest, brightest and lightest taillight 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 !



part

**HB026000**

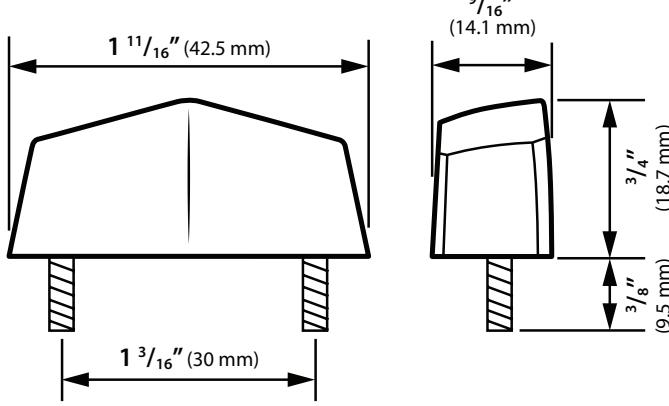
red lens

**HB026010**

smoke lens

### Specifications

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



# Hawkeye

part

**HB034000**

red lens

**HB034010**

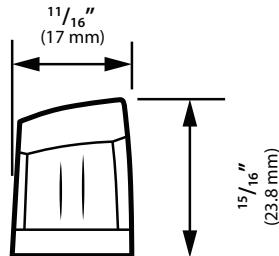
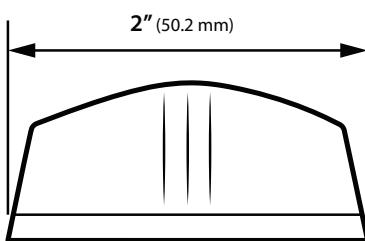
smoke lens

## Specifications

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

## 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.



## X style LED taillight

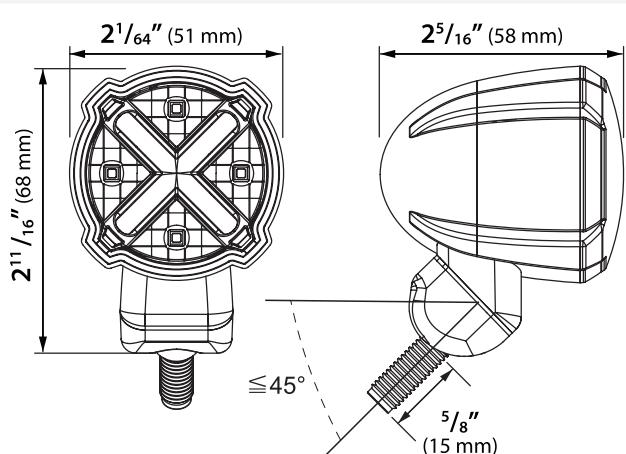
The latest LED technology in a different style taillight. This X style design will set your ride apart from any other rides on the road. The ultrabright brake LED lights will make sure you are visible for other vehicles.

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



part  
**HB036000**  
 red lens  
**HB036100**  
 smoke lens

Daytime running light



Brake light



part

**HB031000**

red lens

**HB031100**

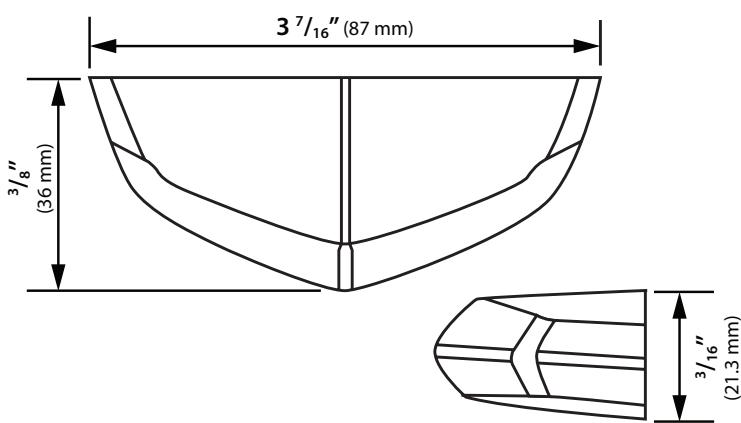
smoke lens

## Specifications

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

## 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.



new

# Aura

## LED license plate light

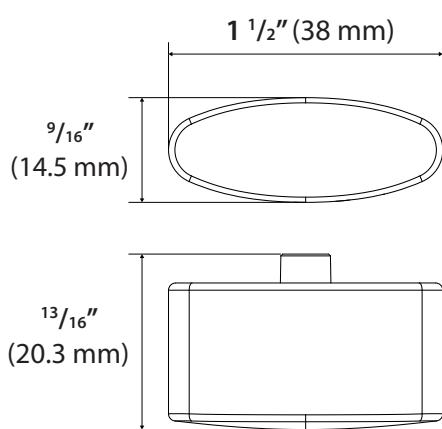
Compliment your bike's customization with this easy to install and versatile LED licence plate light. The Aura's discrete design and DOT compliance light will keep your licence plate illuminated while giving a slick look to any bike.

part

**HD013000**

### Specifications

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



part

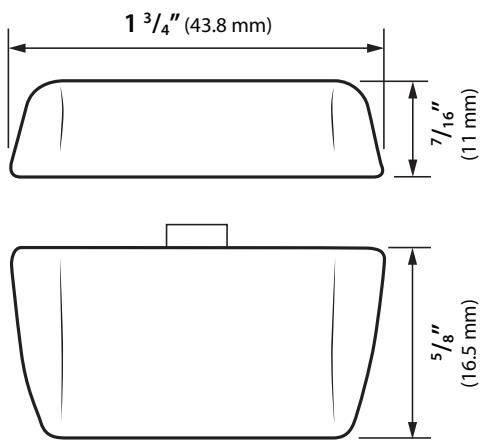
**HD008000**

## Specifications

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

## LED license plate light

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



# Speed

## LED license plate light

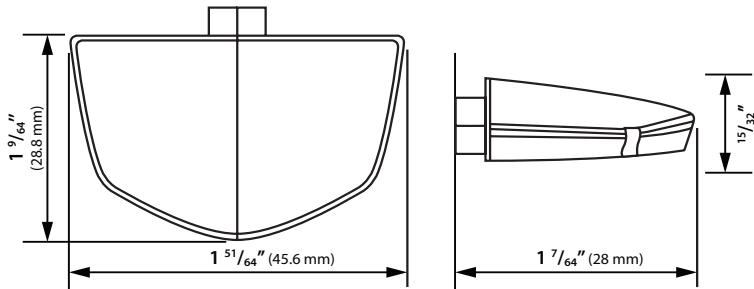
This new LED licence plate light will give you the compact and easy to install license plate light features and bring a stylish twist to your typical license plate light. Its specifications, quality components and Ultra-bright LED light are the reasons behind its DOT compliance. This item is a must to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



part  
**HD009000**

### Specifications

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



part

**QR004010**

regular size smartphone

new

**QR004000**

larger size smartphone



## 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.

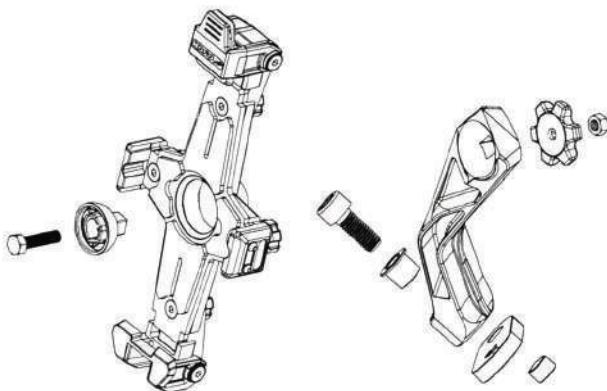
\* Fits from 7/8" to 11/4" Handlebar.



(R = Range U= Unit)

## Specifications

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



# Armor

## 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.



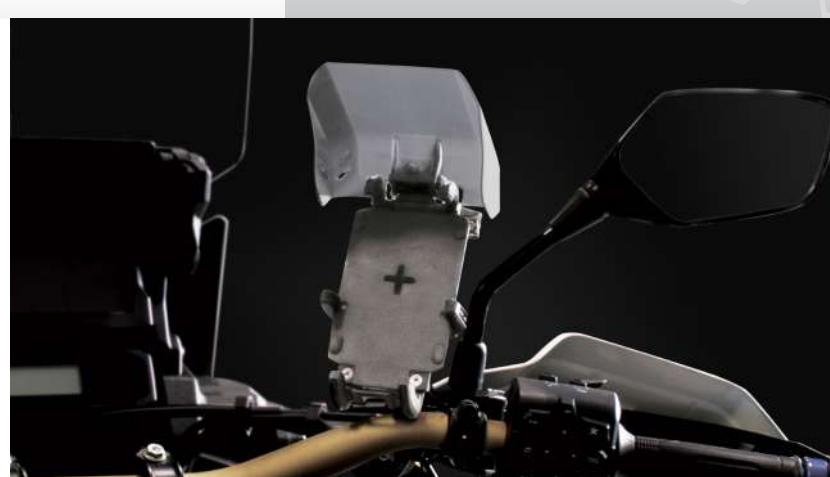
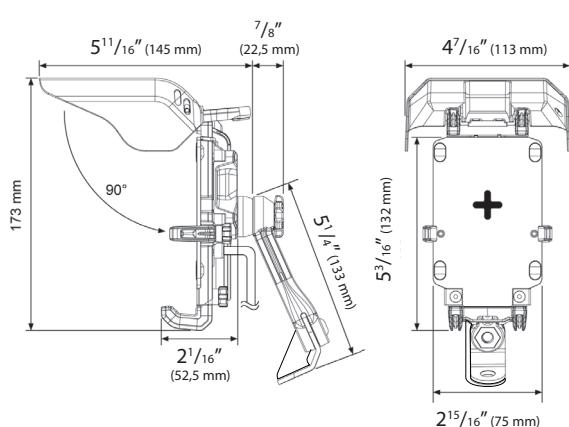
(R = Range U= Unit)



### 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



# 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



new

# USB-port

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

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



part

**KW014010**

USB-C port

**KW015010**

USB-C and USB-A port

### Specifications

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

(R = Range U= Unit)

■ USB port protector



■ USB-C &amp; USB-A port



■ USB-C port

# USB-port

part

**K0012000**

## Quick charge dual USB adapter

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



(R = Range U= Unit)

### Specifications

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



# USB-C port

## USB-C adaptor

Our USB-C adaptor is the newest addition to our line of USB adaptors. Whether it's a GPS, smartphone, tablet 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.

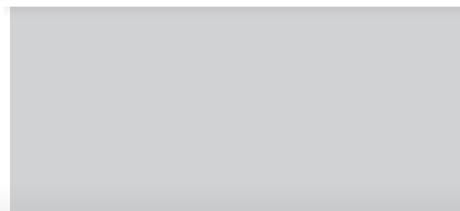
This USB-C adaptor is designed to quickly and efficiently charge your device and can be installed at any location on your ride with its included bracket.



(R = Range U = Unit)

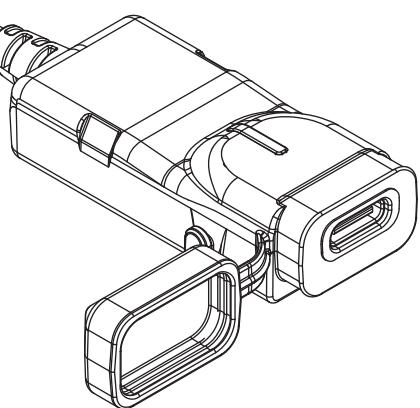
## Specifications

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



part

**KW005001**



# 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



## 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 !

part

**KK000001**

complete kit





Visit our website to view over 300 great products and accessories and/or sign up for our Newsletter to get exclusive updates and new release.

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



### Contact Us

Order : 1877 777-0604

Tech. : 450 359-0604

Fax : 450 359-0849

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



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