



KING-METER

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2019

KING-METER

PRODUCTS CATALOG

LCD Display/LED Display
Sensors / TBA LOCK

KING-METER

King-Meter, founded in 2004, is a global leader in display design and manufacturing. King-Meter's passion for innovation & design & quality leads the industry with creative thinking and cutting-edge technology. Main items cover e-bike display, sensor and rental system for sharing e-bikes.

King-Meter is a national grade High-tech enterprise. We own 81 patents and get many design awards. All the products with good quality are exported to many countries all over the world, especially in Europe, taking up 35% market share. All products have passed CE, RoHS, REACH and meet new EU standard, EN15194.

King-meter pass ISO9001 and ISO14001 certification. We have introduced a series of testing equipments, including vibration test bench, high low temperature test box, salt spray testing machine, pull out testing bench, key fatigue tester and so on.

We provide ODM service which creates a custom design, built to your specifications. Look forward to long and mutually profitable partnership with you.

2019

PRODUCTS CATALOG
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S5195

High resolution and brightness color TFT LCD screen. Start-up logo can be customized to display dynamically. Large memory chip is applied to store variety of images.

LCD type	4.0" TFT, 480*800Pixel
Chip capacity	8M
Shell material	Aluminum alloy, toughened glass
Size	119.62mmx64.74mmx81.29mm
Function	BAT;PAS;Speed;Trip/ODO;Mile/KM;Headlight;Walk;Remaining distance;WATT
Communication	UART Default/CAN/LIN
Holder	22.2mm;25.4mm;31.8mm
Voltage	24V/36V/48V
USB Charging	USB port: 5V/500mA
Certificate	CE/ROHS/IP65



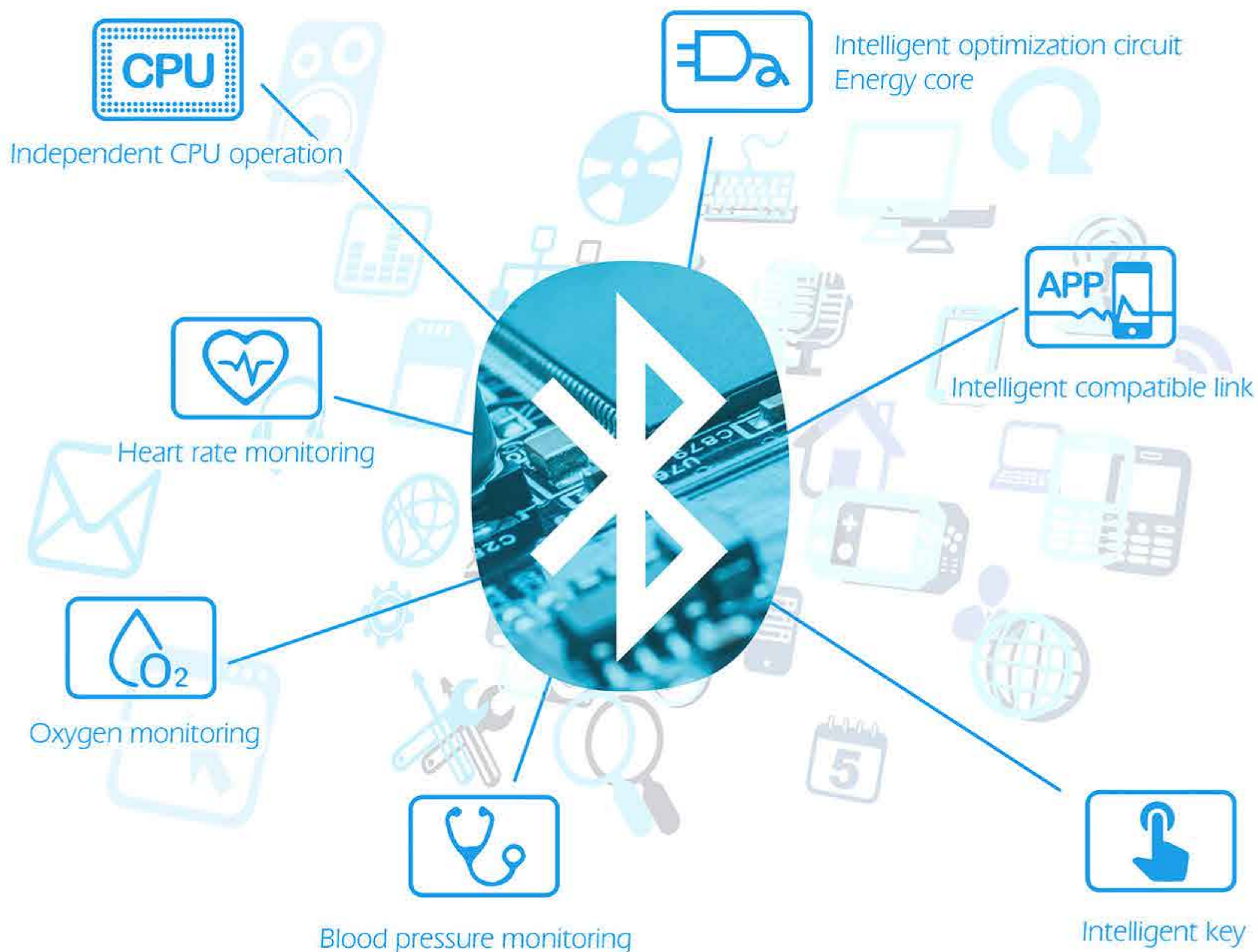
E5227-U

Model	E5227/E5227-U
Size	100.67mm×60.28mm×84.43mm
Function	BAT%;PAS level;Speed;Trip/ODO;Headlight;Walk;Mile/KM;Error Alarm
Communication	UART Default/CAN
Holder	22.2mm;25.4mm;31.8mm
Voltage	24V/36V/48V
USB Charging	E5227-U with USB: 5V/500mA
Certificate	CE/ROHS/IP65



Surface-E5226

Model	Surface-E5226
Size	138.3mmx107.4mmx31.4mm
Function	Remaining distance;BAT%;PAS level; Speed;Trip/ODO;Walk;WATT;Pause;Heart-beat; Bluetooth
Communication	UART Default/CAN/LIN
Holder	25.4mm(integrated stem)
Voltage	24V/36V/48V
USB Charging	Not available
Certificate	CE/ROHS/IP65



Bluetooth

Bluetooth function is available for Surface-E5226 and other customized displays. Inserted low power BTH chip can link with all kinds of outer wearable devices. It can indicate and alarm by real-time monitor rider's changes of physiological indexes.

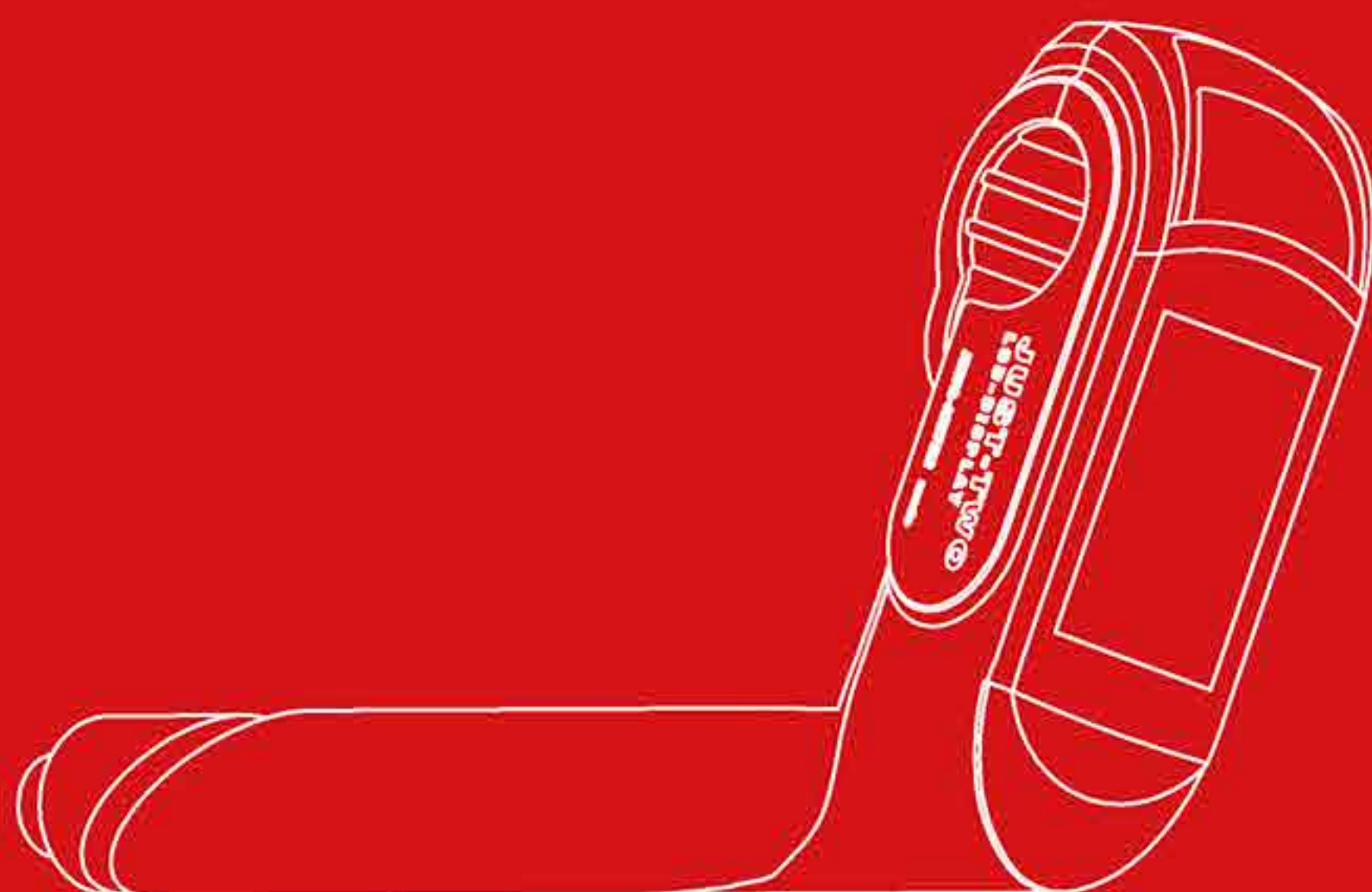
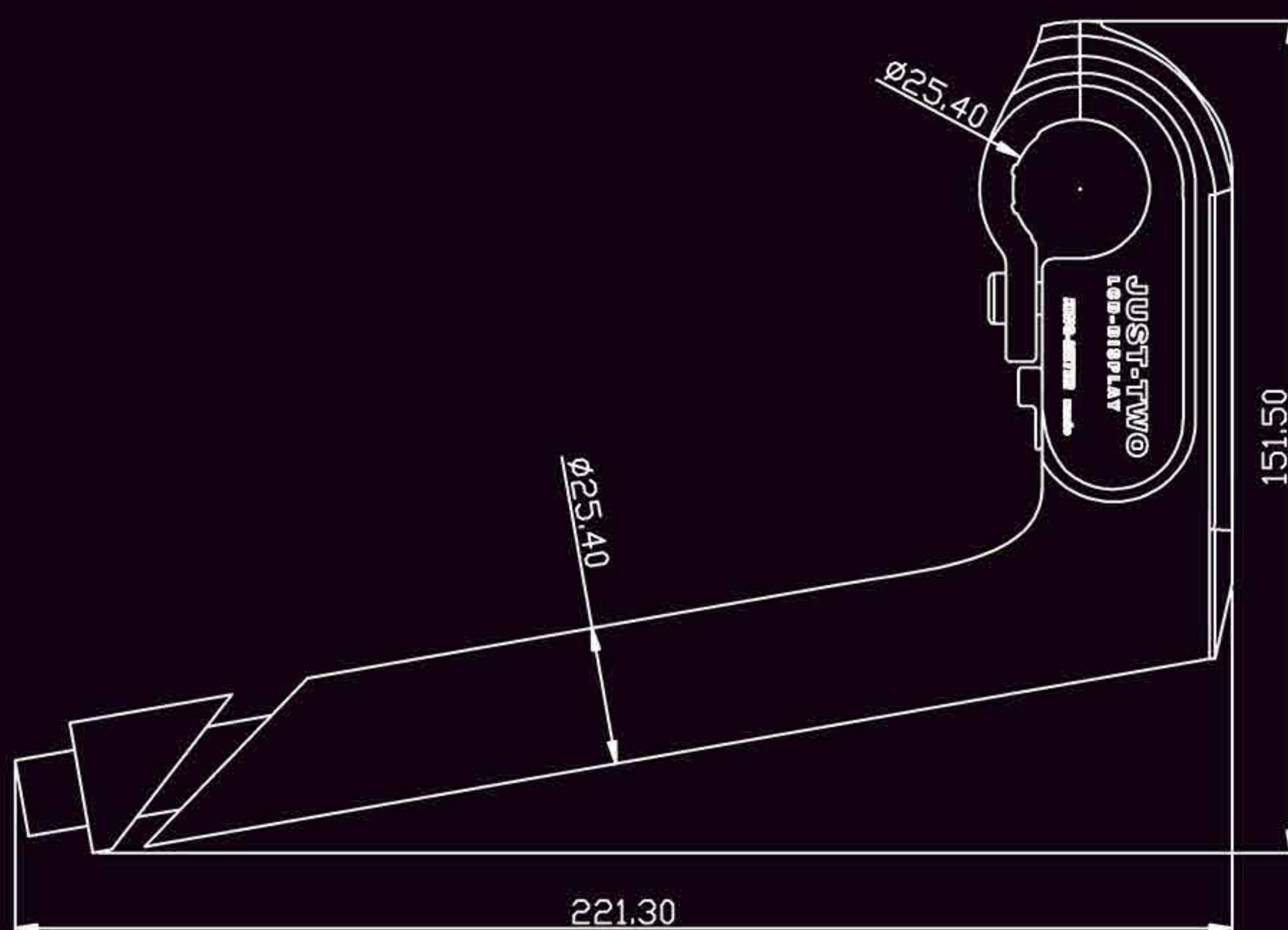
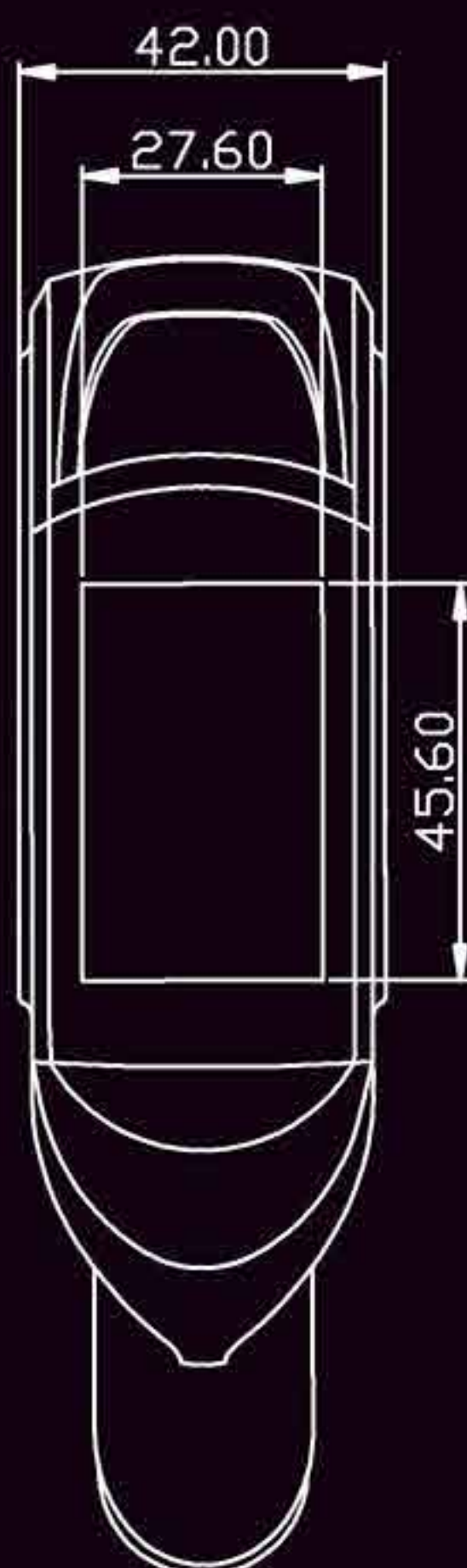
It can also be linked with multimedia mobile devices and to have data interaction with the devices. Then send riding data to APP to count and show.

Bluetooth function already applied by King-Meter customer: Heart rate monitoring and APP.



JUST TWO

Model	JUST TWO
Size	170mm×42mm×145mm; 200mm×42mm×150mm
Function	Function A (USB version): BAT;Remaining distance;Speed;USB charging;Trip/O-DO; Burning fat; Trip time; Pause; Docking &charging Function B (Button version): BAT;Remaining distance;PAS level;-Speed;Trip/ODO;Burning fat; Trip time; Pause;Headlight
Communication	UART(Button version)/LIN (USB version)/CAN
Holder	25.4mm(integrated stem)
Voltage	24V/36V/48V
USB Charging	USB port: 5V/500mA
Certificate	CE/ROHS/IP67



JUST-TWO

- Integrate display in stem
- Small screen with full indicate function
- USB charging port
- Specialized in city bike
- Suitable for share e-bike project
- Elegant appearance





Digital II

A left-side e-bike display
Curved outlook

Curved personalized outlook, thin body.

Full waterproof.

Equipped with a throttle. Throttle is optional.

Display and button are integrated in one.

Small size with full functions.

Model	Digital II
Size	70mm×73mm×52.7mm
Function	BAT;PAS level;Speed;Trip/ODO;Headlight;Walk;Mile/KM;Trip Time
Communication	UART Default/CAN/LIN
Holder	22.2mm
Voltage	24V/36V/48V
USB Charging	Not available
Certificate	CE/ROHS/IP65



It is suitable for E-bike and e-scooter.

Note:Holding“-“will activate “6km/h walk mode”for models in countries which allow the use of a throttle on e-bikes.Holding the throttle will activate “6km/h walk mode”for model in countries which prohibit the use of a throttle on e-bikes.

At present,there is no product that combines thumb throttle and display together,Customer requirements dictate that this is urgently required.Our solution is highly integrated and compact.



NOKEE / NOKEE-U

Elegance in a compact design

APPEARANCE

Nokee is simple yet elegant, delicate yet robust. It has been ruggedised thanks to the use of frosted aviation grade aluminium and toughened glass, creating one of the largest yet thinnest LCD displays on the market. With a form reminiscent of a luxury sports car, Nokee lends an air of sophistication that is unmatched today which makes it ideal for the European market.

KEY POINTS

With a Mohs hardness of 7, the toughened glass screen is highly robust and scratch resistant. The shell is constructed out of aviation grade aluminium to provide optimum rigidity and oxidation resistance. Nokee is the first King-Meter display to be equipped with an electroluminescent backlight which allows the Nokee to be so thin, at only 6mm thick. Thanks to the use of a patented technology, the display can be safely used at night without the user becoming dazed.

Model	Nokee / Nokee - U
Size	81.6mm ×49.2mm ×6mm / 96.7mm ×62.8mm×29mm
Function	PAS level; Speed; Trip/ODO; Headlight; Walk; Mile / KM / Error Alarm
Communication	UART Default; CAN / LIN / CAN
Holder	22.2mm; 25.4mm; 31.8mm
Voltage	24V / 36V / 48V
USB Charging	NOKEE-U with USB: 5V/1A
Certificate	CE / ROHS / IP65



FEATURES

Installation	Clamped to the handlebar vertically
Wiring/Connectors	Two IP65 water resistant connectors
Display Content	Current speed/Maximum speed/Average speed
	Trip time/Trip distance/ODO
	km/h / mph
	PAS/Battery/Headlight/Error/Walk mode Screen
Screen Material	1mm thick toughened glass
Shell Material	Frosted aluminium
Colour	Black/Grey



KM5S-U

Model	KM5S/KM5S-U
Size	88.75mm × 50.3mm × 47.9mm
Function	PAS Level; Speed; Trip / ODO; Headlight; Walk / PAS Select / Error Alarm
Communication	UART Default / CAN
Holder	22.2mm; 25.4mm; 31.8mm
Voltage	24V / 36V / 48V
USB Charging	KM5S-U with USB: 5V/500mA
Certificate	CE / ROHS / IP65



KM6S-U

Model	KM6S/KM6S-U
Size	102.71mm × 83.70mm × 72.63mm
Function	PAS level;Speed;Trip/ODO;Headlight;Walk;Mile/KM;Error Alarm
Communication	UART Default / CAN
Holder	22.2mm; 31.8mm
Voltage	24V / 36V / 48V
USB Charging	KM6S-U with USB: 5V/500mA
Certificate	CE / ROHS / IP65



WH527

Model	WH527
Size	77.60mm × 45.45mm × 49.9mm
Function	Speed; Mile / Km; Trip / ODO; Error Alarm
Communication	UART Default / CAN
Holder	22.2mm
Voltage	24V/36V/48V
USB Charging	Not available
Certificate	CE / ROHS / IP65



KM529-LCD

Model	KM529-LCD
Size	88.75mm × 51.96 mm × 52.10mm
Function	PAS Level; Speed; Contant Speed Controll Walk
Communication	UART Default / CAN
Holder	22.2mm
Voltage	24V / 36V / 48V
USB Charging	Not available
Certificate	CE / ROHS / IP65



SW-H-U

A middle positioned display, black alloy cover, red decoration ring, Front cover is hard glass applied with diamond cutting technology. The angle of bracket can be adjust.

Comprehensive waterproof, IP65 and with lot of function, such as charging smartphone.

Light sensor can be used to turn on display background light at night.

Model	SW-H/SW-H-U
Size	86.6mm*74.2mm*85.5mm
Function	PAS level;Speed;Trip/ODO;Headlight;Walk;Mile/KM;Light Sensor
Communication	UART Default/CAN/LIN
Holder	31.8mm
Voltage	24V/36V/48V
USB Charging	SW-H-U with USB: 5V/500mA
Certificate	CE/ROHS/IP65



SW-LCD-U

Model	SW-LCD/SW-LCD-U
Size	103.87mm × 61.45mm × 53.60mm
Function	PAS Level; Speed; Trip / ODO; Headlight; Walk; Mile / KM / Error Alarm
Communication	UART Default / CAN
Holder	22.2mm; 25.4mm; 31.8mm
Voltage	24V / 36V / 48V
USB Charging	SW-LCD-U with USB: 5V/500mA
Certificate	CE / ROHS / IP65



J-LCD High level water-proof

Model	J-LCD
Size	70.86mm×51.96mm×52.10mm
Function	PAS Level; Speed; Trip / ODO; Headlight; Walk; Mile/ KM / Error Alarm
Communication	UART Default / CAN
Holder	22.2mm; 31.8mm
Voltage	24V / 36V / 48V
USB Charging	Not available
Certificate	CE / ROHS / IP66



RFID

Radio-frequency identification (RFID) uses electromagnetic fields to automatically identify and track tags attached to objects. The tags contain electronically stored information.

KING-METER already used RFID technology in display such item KM5S-R. We use a key to lock and unlock display. RFID key can control E-bike system by display.



JUST ONE

Just one New product description

DESIGN

The main atheistic issue with e-bikes is that they require an ever increasing number of parts to be placed on the handlebars, which looks terrible and causes complications during operation.

For a simpler and more enjoyable riding experience we have integrated all the electronic functions and controls with the handlebars. The goal is for Just One to be universally compatible with all standard bikes, to meet the needs of many customers. Through the clever use of LEDs and masking, Just One has the appearance of a FVD display.

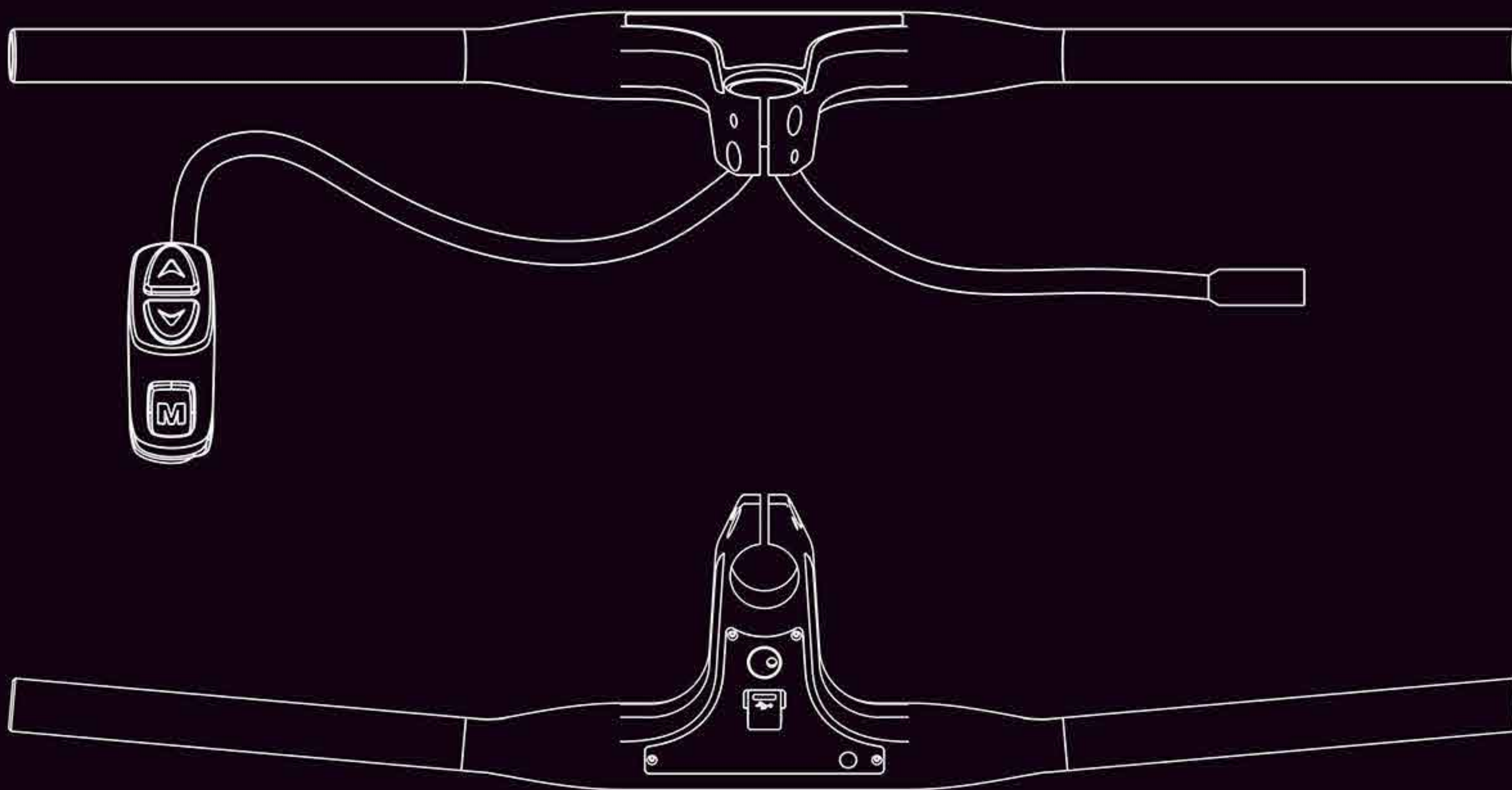
DISTINCTIVE FEATURES

The integrated design of the handlebars and stem make it easy to assemble and disassemble along with a cleaner visual finish by decreasing the number of required parts.

COMPETITIVE ADVANTAGE

Simple external structure, reliable electronics, highly compatible with standard parts, precise marketing targets and excellent waterproofing.

Model	Just One with Zoom handlebar
Size	620mm×125mm×31.8mm
Function	PAS level;Speed;Trip/ODO;Headlight;Walk;Mile/KM;Error Alarm
Communication	UART Default / CAN
Holder	28.6mm
Voltage	24V/36V/48V
USB Charging	USB port: 5V/500mA
Certificate	CE/ROHS/IP65



JUST ONE



JK-LCD

Model	JK-LCD
Size	102mm×69.8mm×70mm
Function	PAS level; Speed; Trip / ODO; Headlight; Walk; Mile / KM / Error Alarm
Communication	UART Default / CAN
Holder	31.8mm
Voltage	24V/36V/48V
USB Charging	Not available
Certificate	CE/ROHS/IP65



KM3209

Model	KM3209
Size	57.0mmx51.3mmx58.4mm
Function	PAS Level;Headlight;Walk;Speed;TRIP;ODO;Error alarm
Communication	UART/CAN/LIN
Holder	22.2mm
Voltage	24V/36V/48V
USB Charging	5V/500mA
Certificate	CE/ROHS/IP65



T319

Model	T319/T319-R
Size	52mm×49mm×45mm
Function	3 button;light sensor;T319-R special RFID function
Communication	UART/Analog Communication
Holder	22.2mm
Voltage	24V / 36V / 48V
Certificate	CE/ROHS/IP65



T320

Model	T320
Size	52mm × 49mm × 45mm
Function	4 Button;Seperated Head Light control Button;Exclusive Using for Rental E-bike
Communication	UART/Analog Communication
Holder	22.2mm
Voltage	24V / 36V / 48V
Certificate	CE/ROHS/IP65



790

Model	790
Size	42mm × 82mm × 56mm
Function	Battery Indicator; PAS; Headlight
Communication	UART/Analog Communication
Holder	22.2mm
Voltage	24V / 36V / 48V
Certificate	CE / ROHS / IP65



791

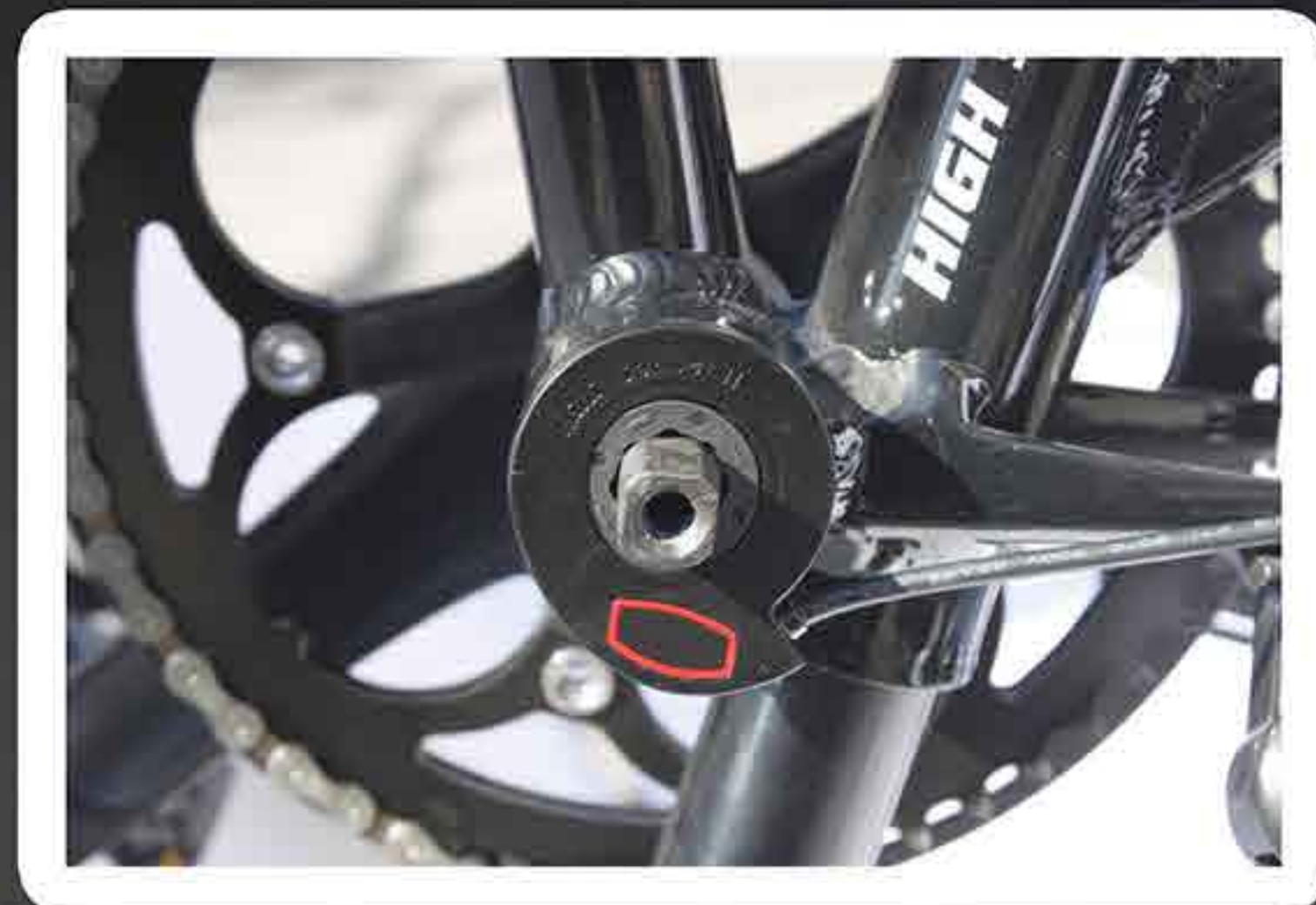
Model	791
Size	42mm × 82mm × 52.34 mm
Function	Battery Indicator; PAS; Headlight; Walk
Communication	UART/Analog Communication
Holder	22.2mm
Voltage	24V / 36V / 48V
Certificate	CE / ROHS / IP65



KM118

The KM118 sensor is used to detect the current speed of the e-bike. It is completely contactless, using a hall sensor attached to the frame and a small magnet attached to a wheel spoke, which means its use does not affect the handling or operation of the e-bike. Each time the magnet passes the hall sensor a pulse is sent to the controller which then calculates the current linear speed and running time. For optimal operation the magnet should be no more than 6mm from the sensor and should be perpendicular to the small cross on the sensor. Installation is as simple as screwing the magnet together over the wheel spoke and cable tying the sensor to the frame.

Model	KM118
Size	46.54mm × 18.84mm × 13.41mm
Function	Dect Speed
Communication	-
Holder	-
Voltage	5V
Certificate	CE / ROHS / IP65



Mini Sensor II

Mini Sensor II New product description

Function

When installed on the left side of the crank axel and rotated forward, it will produce a 24 pulse signal over one rotation. If it is rotated backwards no signal will be outputted.

Model	Mini Sensor II
Size	60.8mm×52.2mm×5.7mm
Function	Pedal assist 24 signal
Communication	-
Diameter	15.8mm
Voltage	5V
Certificate	CE / ROHS / IP65

PAS SENSOR FEATURES

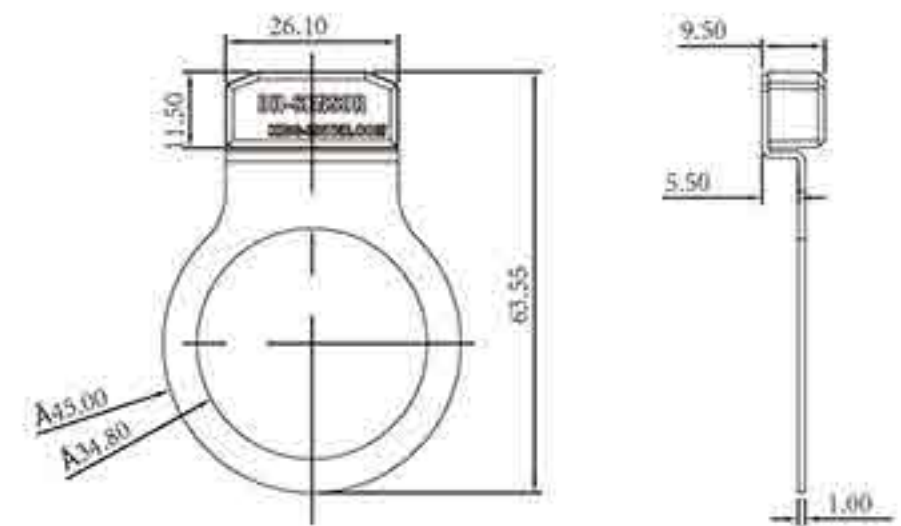
The sensor is directionally sensitive, that is when the cranks are rotated forward the pulse signal will be sent but when they are rotated backwards no signal will be produced. This is particularly useful in the cases when back braking or back pedalling is frequently used.

DH

The DH-Sensor contains two hall sensors, which when coupled with a standard 12 magnet disc provides a 12 pulse output. It is used to detect when the user is pedalling the e-bike.

The mounting brackets come in different sizes to fit with your crank axel and magnet disc.

Model	DH
Size	63.55mm × 45mm × 9.5mm
Function	Pedal assist 12 Signal
Voltage	5V
Certificate	CE / ROHS / IP65



FH

The FH-Sensor contains four hall sensors, which when coupled with a standard 12 magnet disc provides a 48 pulse output. It is used to detect when the user is pedalling the e-bike.

Model	FH
Size	59.5mm × 45mm × 9mm
Function	Pedal assist 48 Signal
Voltage	5V
Certificate	CE / ROHS / IP65



T281

The T281 has been designed for rapid installation. When coupled with its two part magnet disc it does not require the crank assembly to be disassembled as it can be snapped directly over the axle.

Model	T281
Size	60.77mm × 38.2mm × 21.9mm
Function	Pedal assist 12 Signal
Voltage	5V
Certificate	CE / ROHS / IP65

SSP-DH



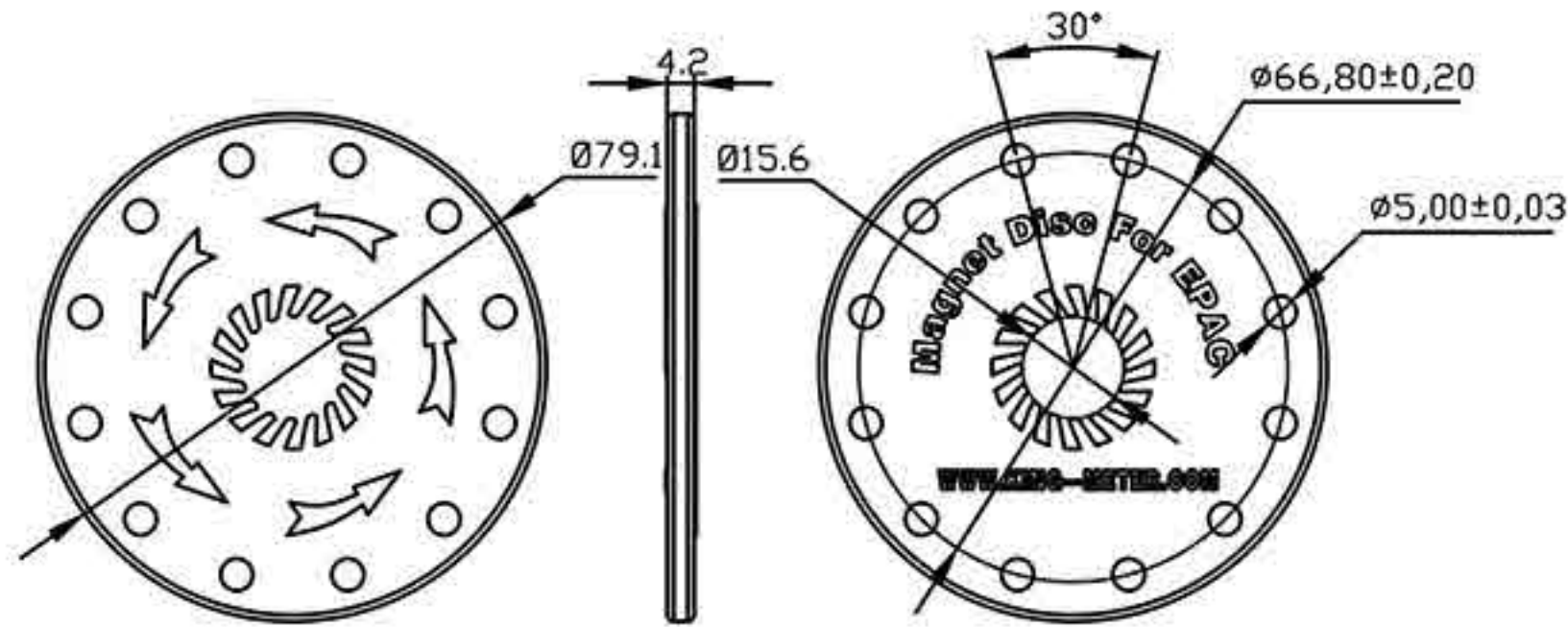
The SSP-DH offers increased reach when compared to either the FH-Sensor or DH-Sensor. Much like the T281, when coupled with a two part magnet disc it does not require the crank assembly to be disassembled to install.

Model	SSP-DH
Size	46.54mm×18.84mm×13.41mm
Function	Pedal assist 12 Signal
Voltage	5V
Certificate	CE / ROHS / IP65

MAGNET DISC

The magnet discs are used to fit with PAS sensor, they work fine on both left and right side of the crank axel.

Disc-01

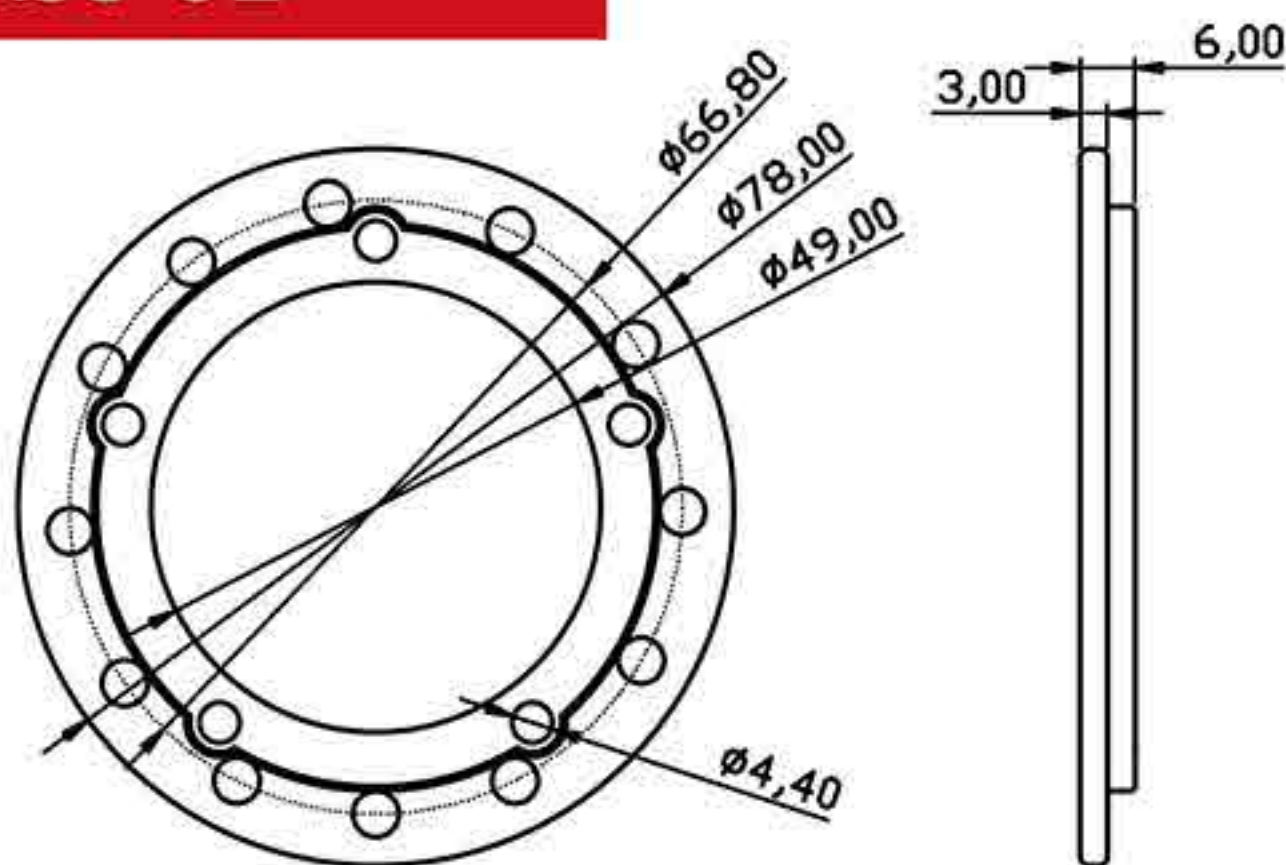


Diameter: 79.10mm

Inner diameter: 15.7mm

Thickness: 4.20mm

Disc-02

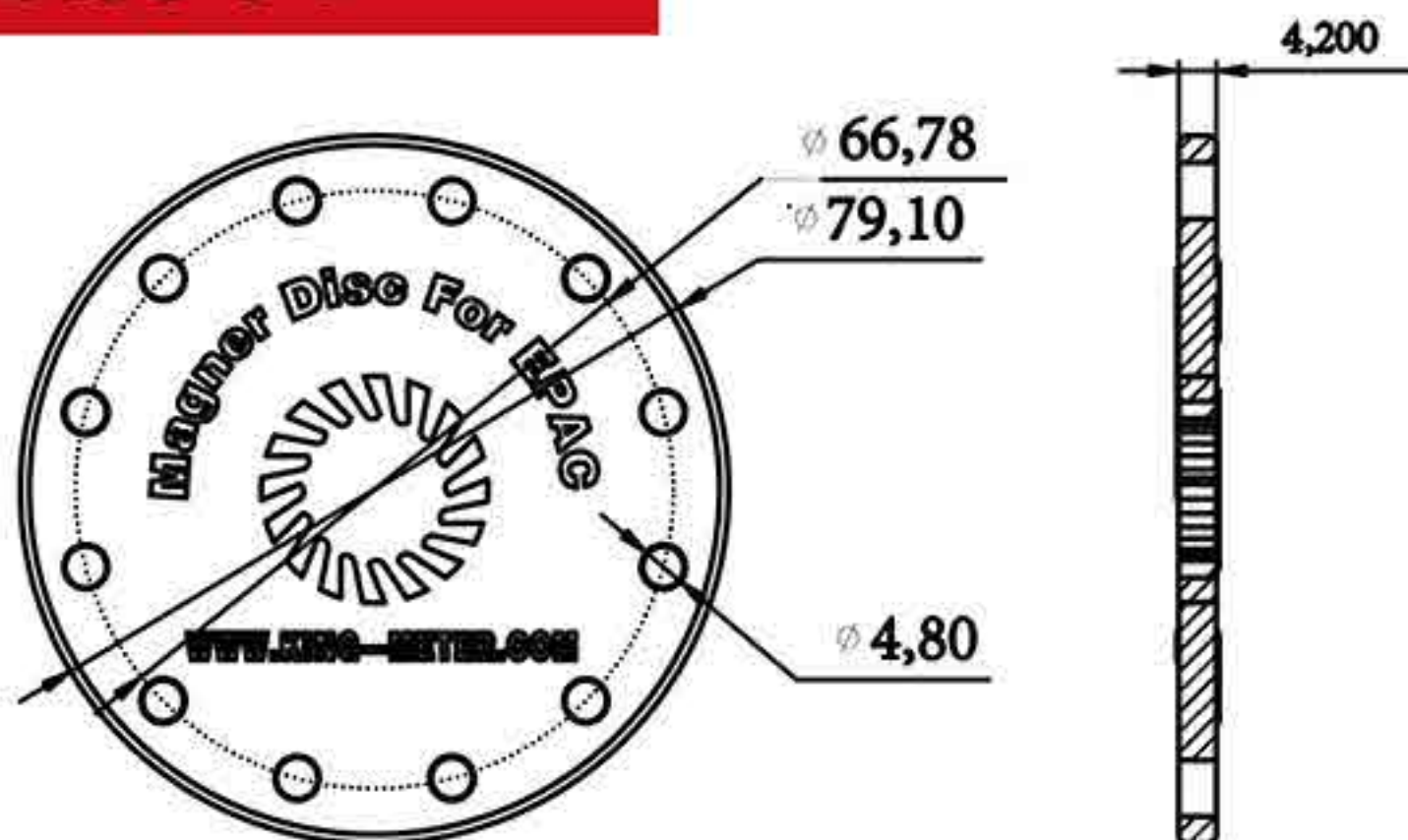


Diameter: 78mm

Inner diameter: 49mm

Thickness: 6mm

Disc-04

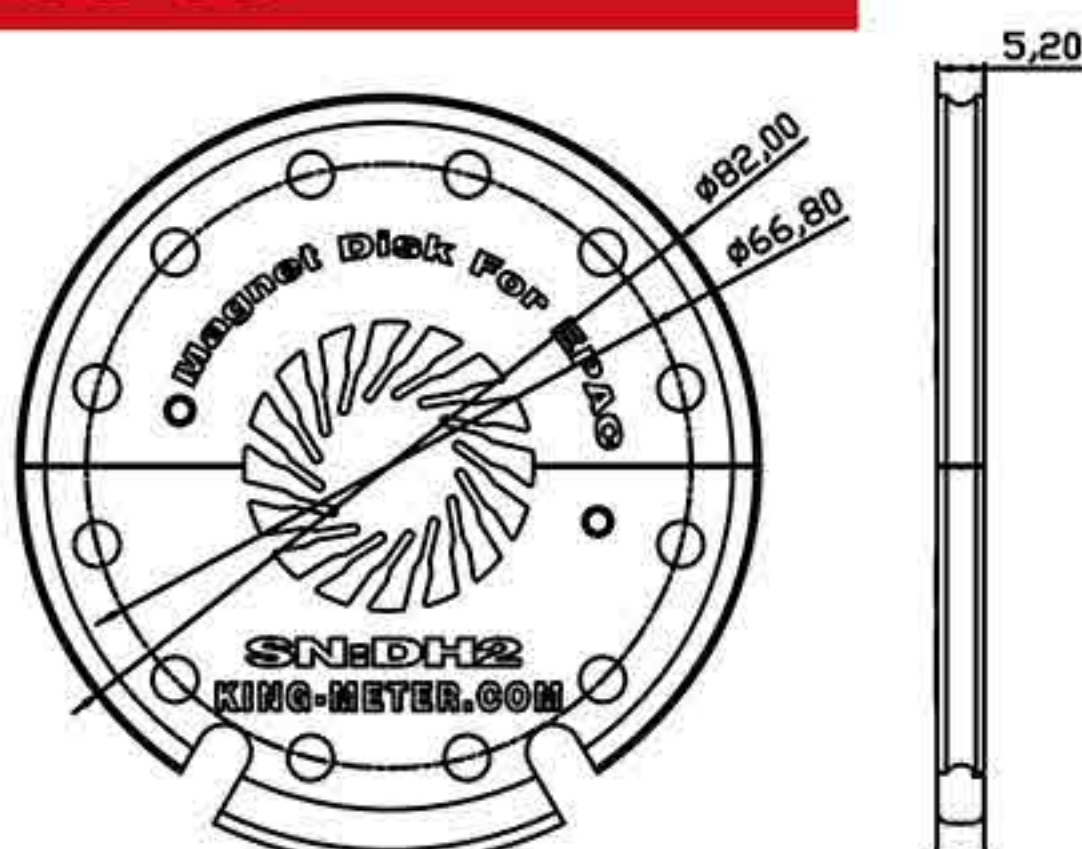


Diameter: 79.10mm

Inner diameter: 15.7mm

Thickness: 4.20mm

Disc-05

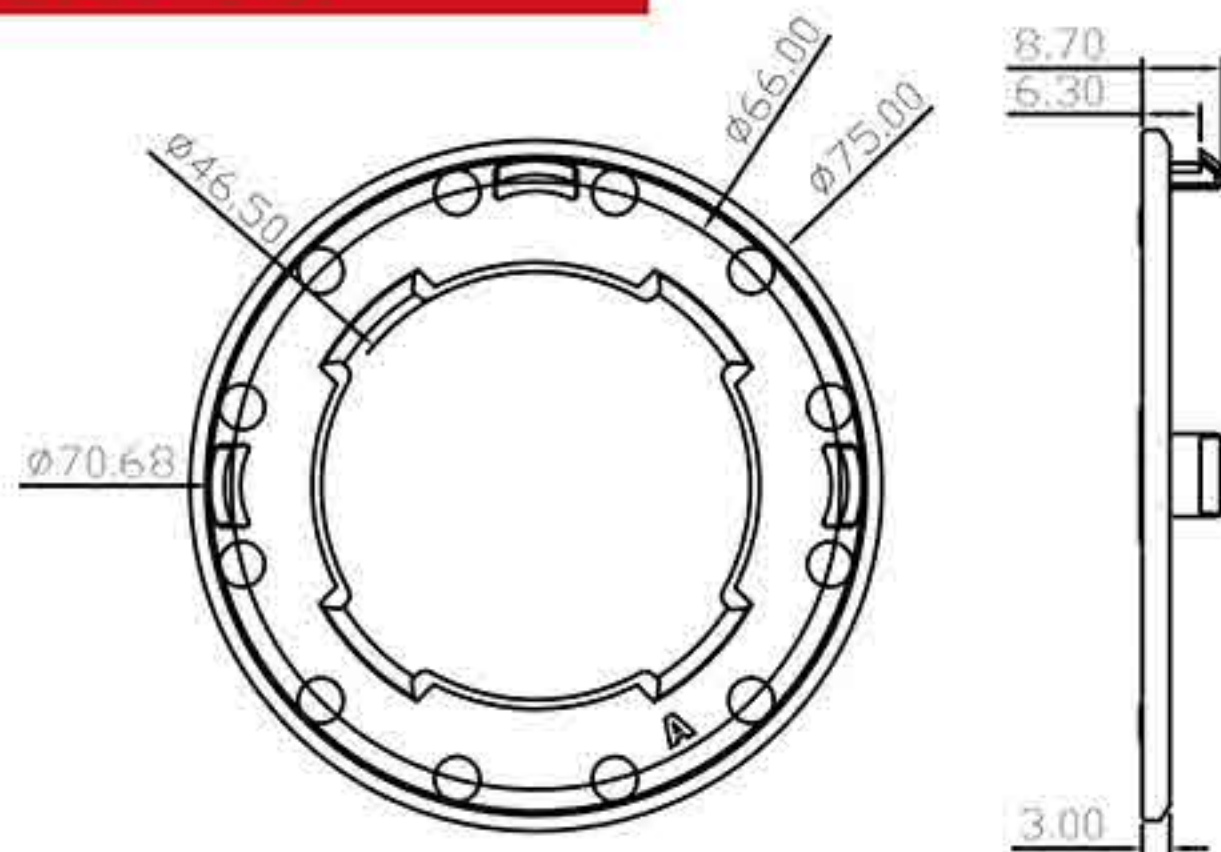


Diameter: 82mm

Reference circlediameter: 66.8mm

Thickness: 5.2mm

Disc-06

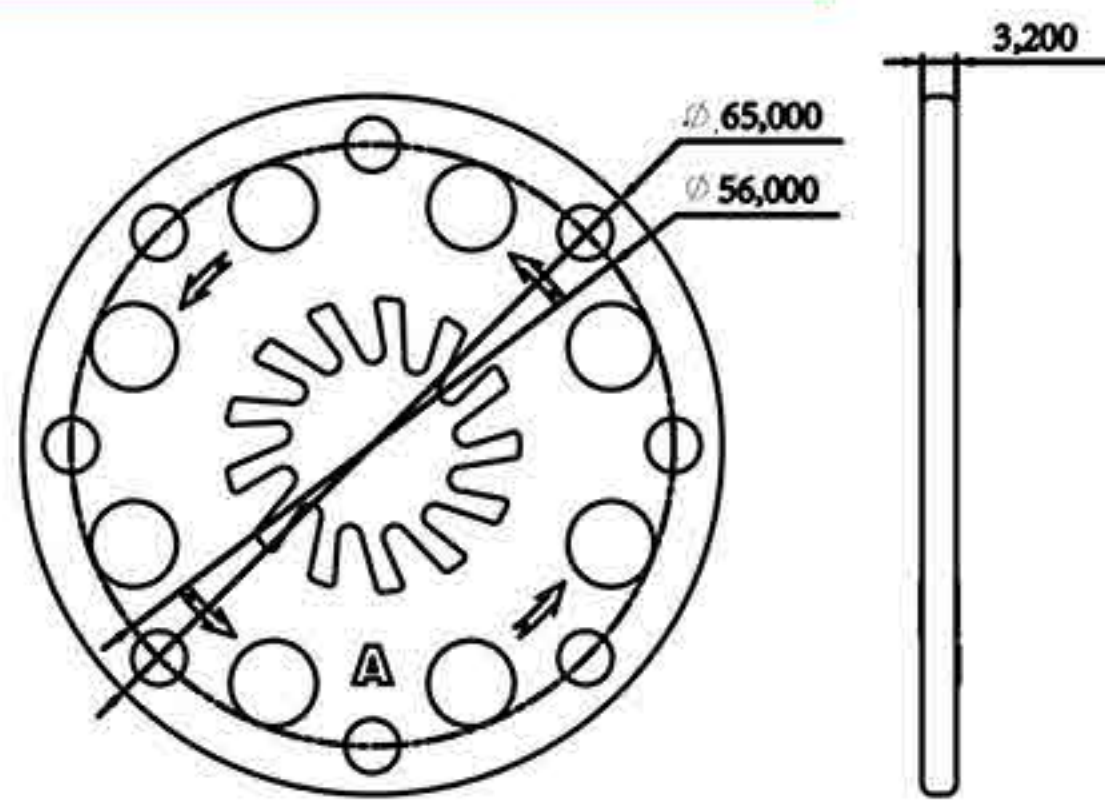


Diameter:75.0mm

Inner diameter: 46.5mm

Thickness:3.15mm

Disc-07

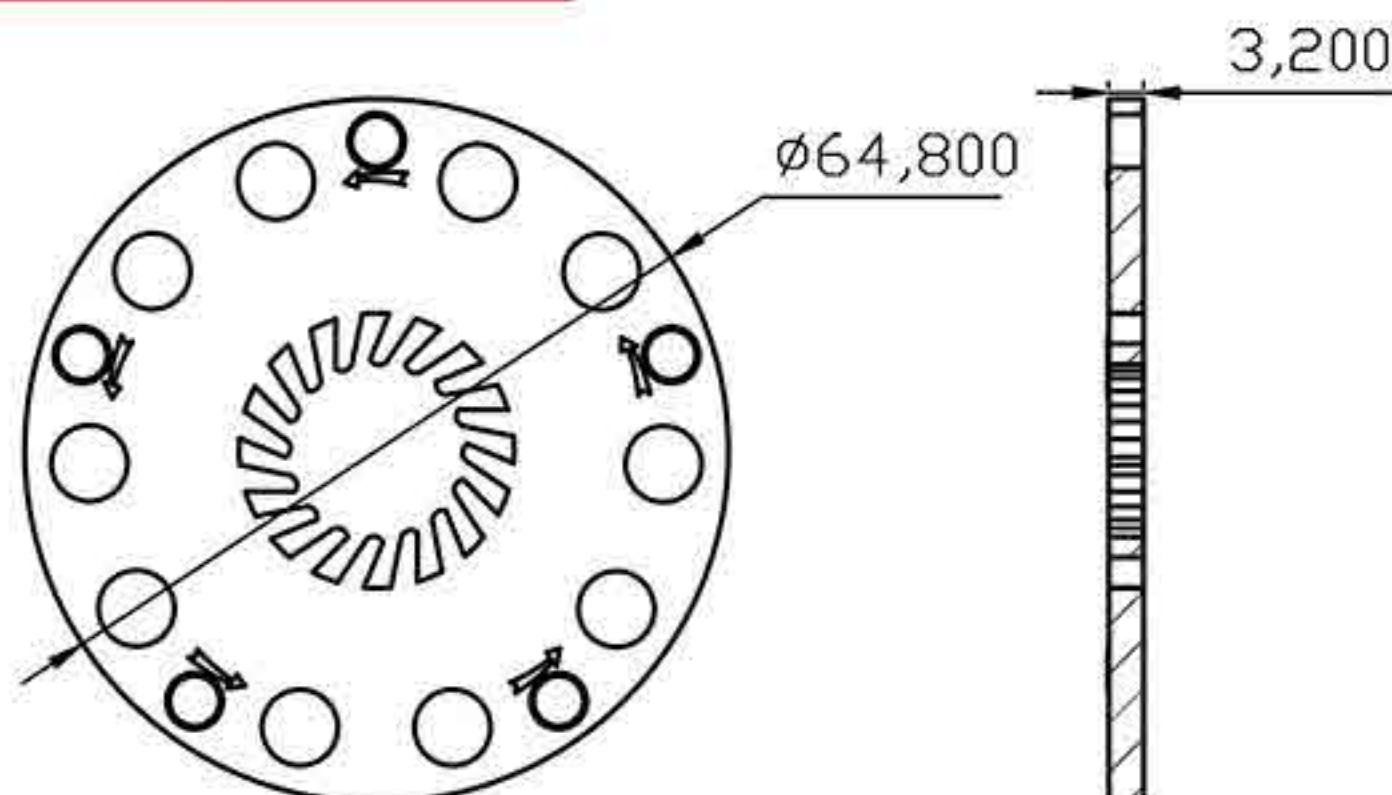


Diameter:65mm

Reference circlediameter: 56mm

Thickness:3.2mm

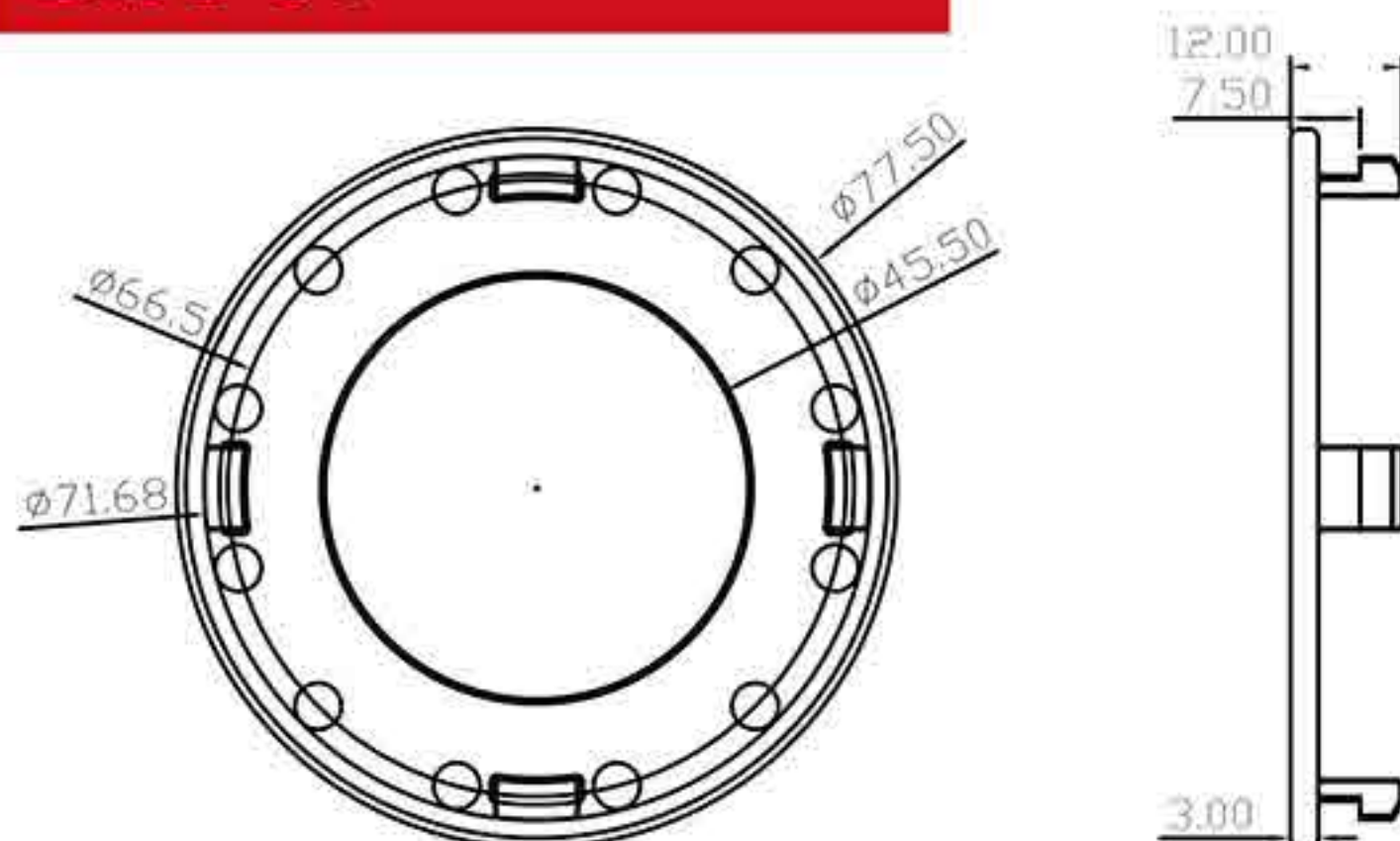
Disc-08



Diameter:64.8mm

Thickness:3.2mm

Disc-09

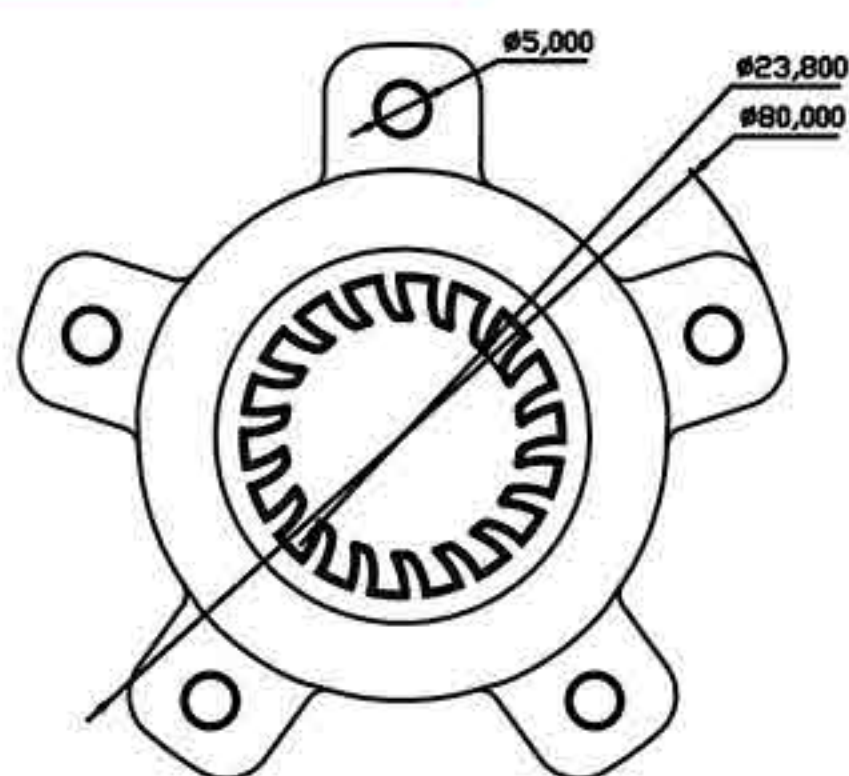


Diameter:77.5mm

Inner diameter: 45.5mm

Thickness:3mm

Disc-10

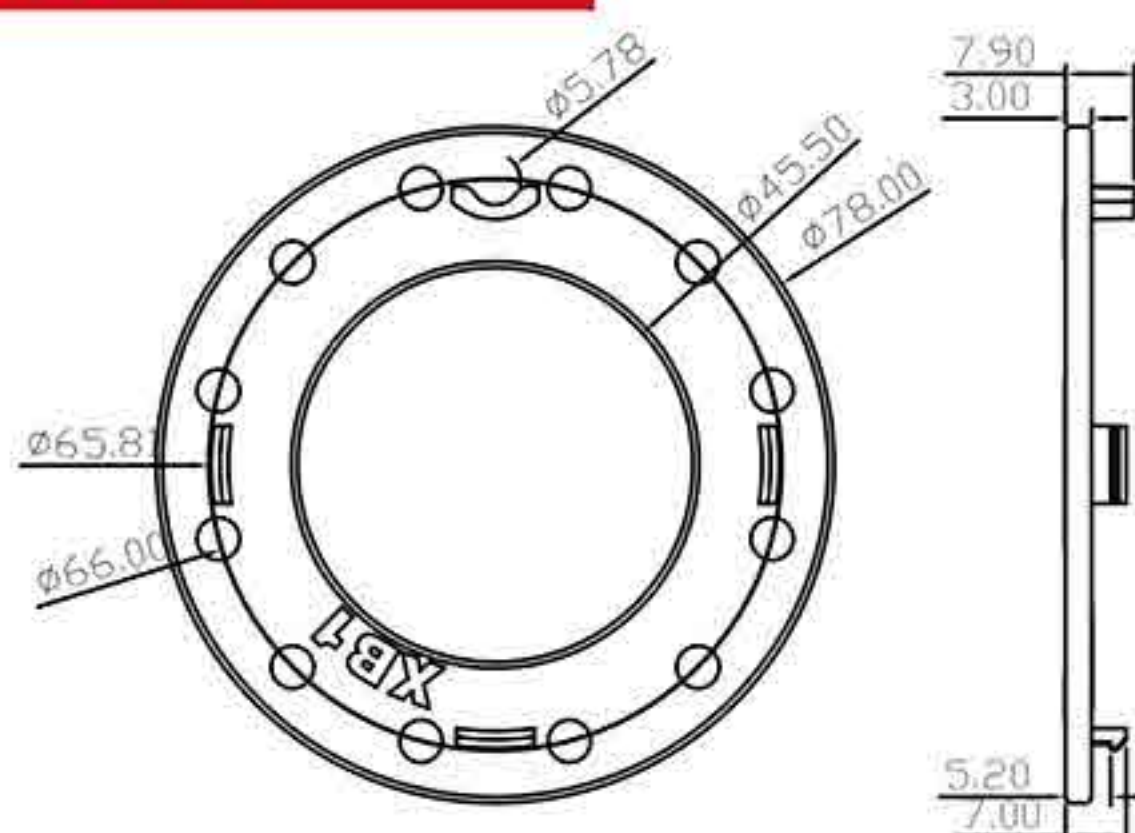


Diameter: 80mm

Inner diameter: 23.8mm

-

Disc-11

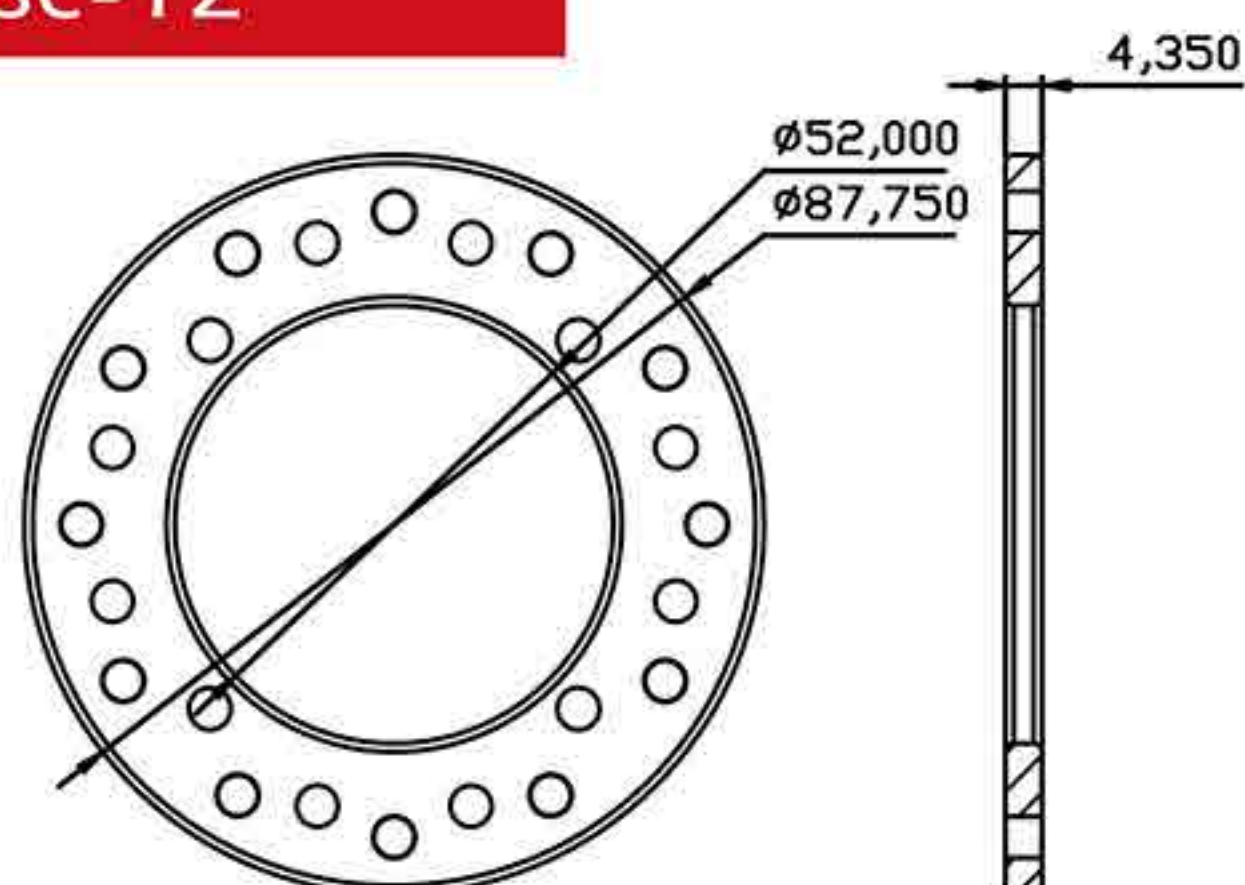


Diameter: 78mm

Inner diameter: 45mm

Thickness: 3mm

Disc-12

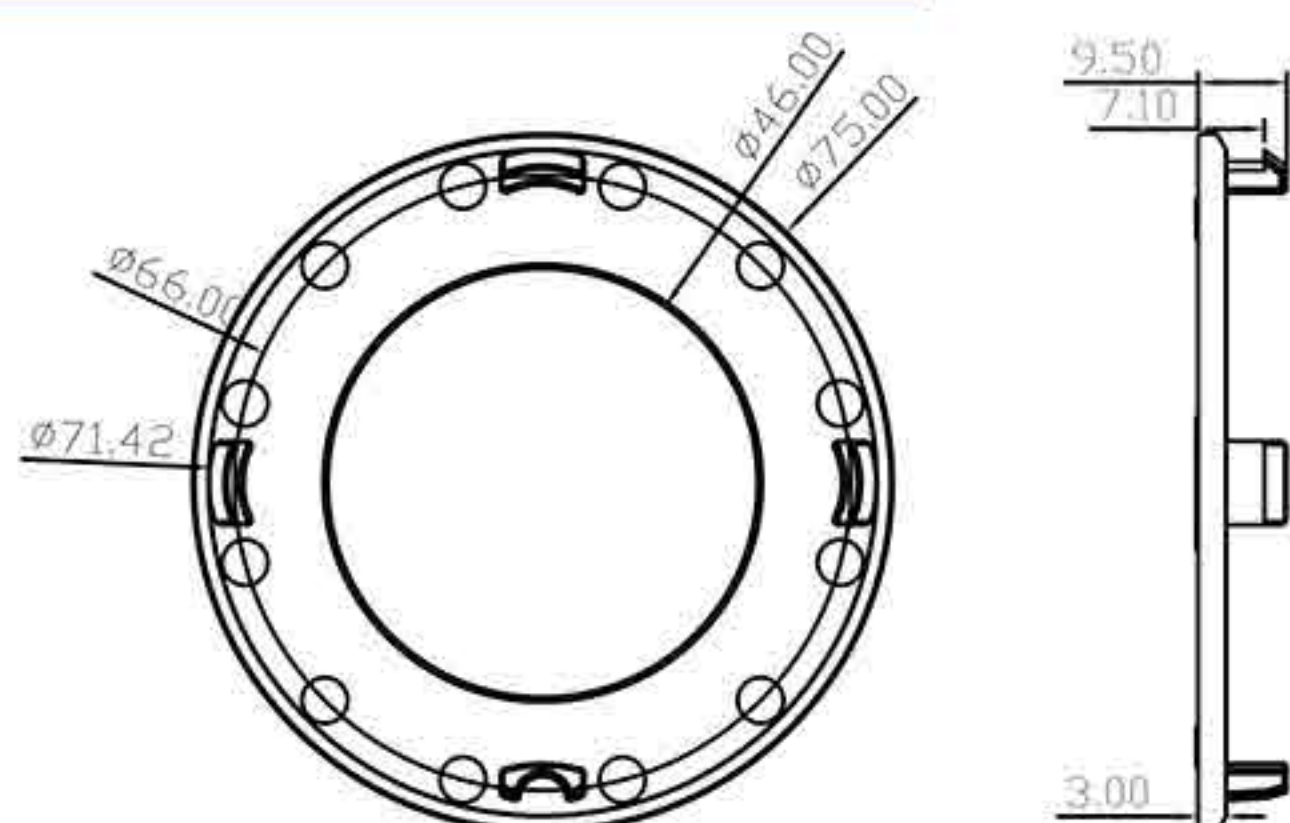


Diameter: 87.75mm

Inner diameter: 52mm

Thickness: 4.35mm

Disc-13



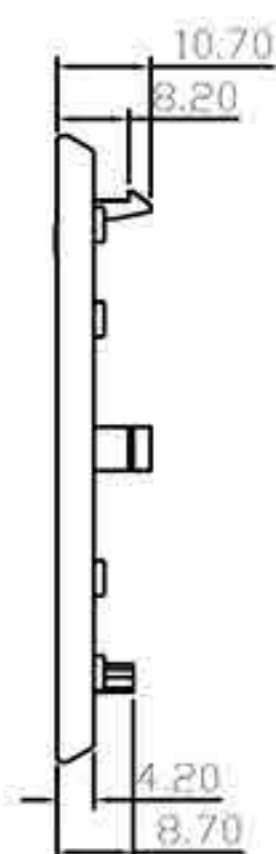
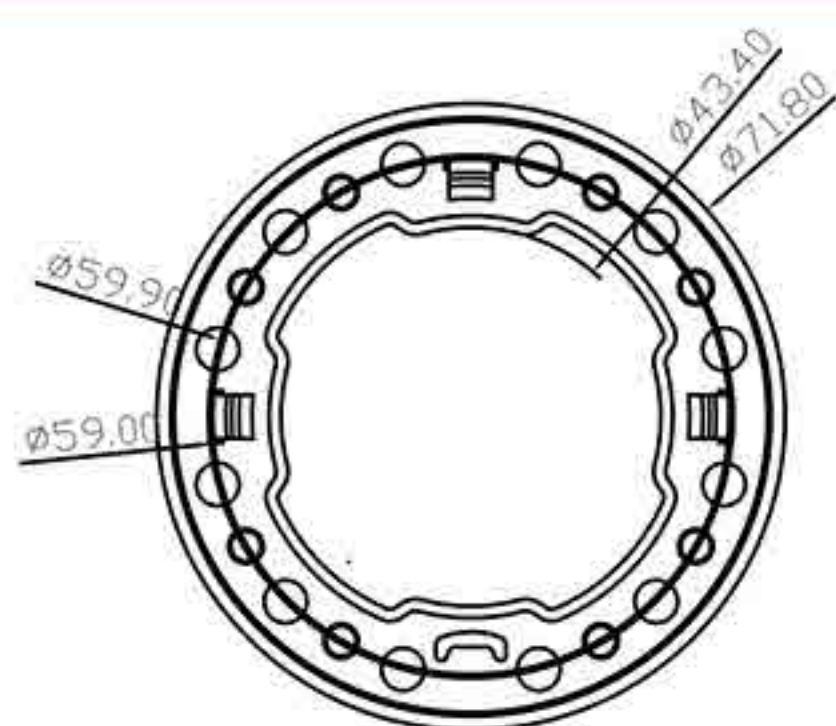
Diameter: 75mm

Reference circlediameter: 66mm

Inner diameter: 46mm

Thickness: 3mm

Disc-14



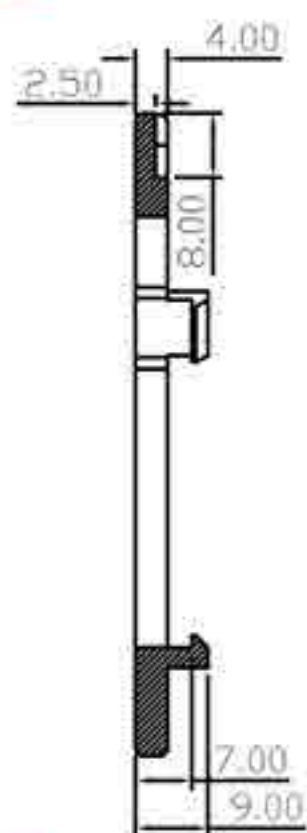
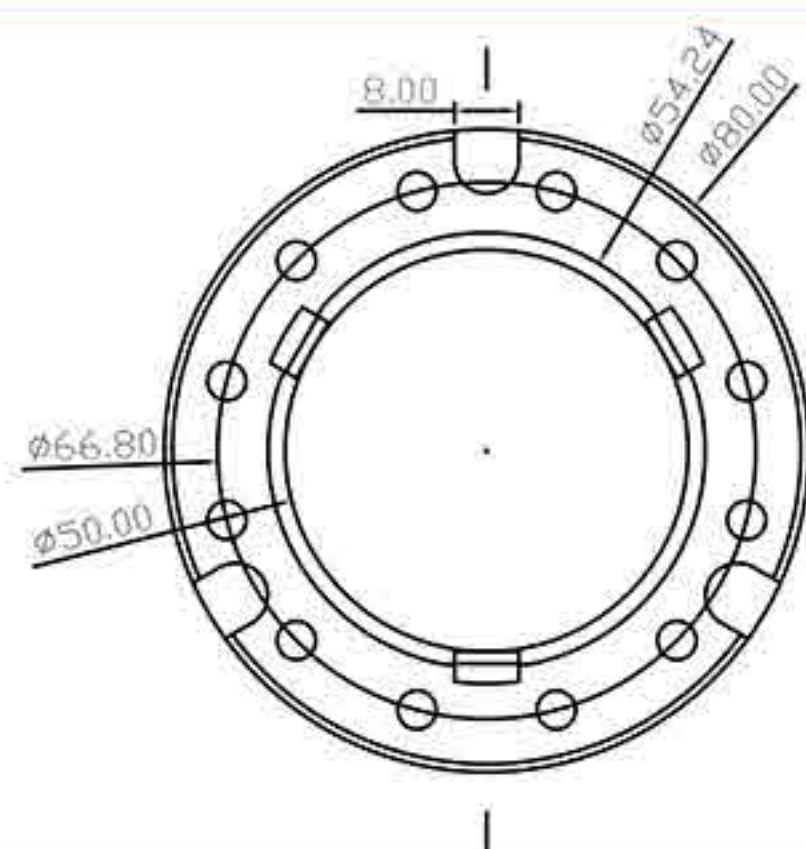
Diameter:71.8mm

Reference circlediameter: 59.9mm

Inner diameter: 43.4mm

Thickness:4.2mm

Disc-15



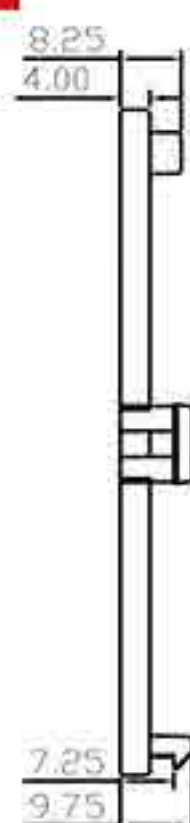
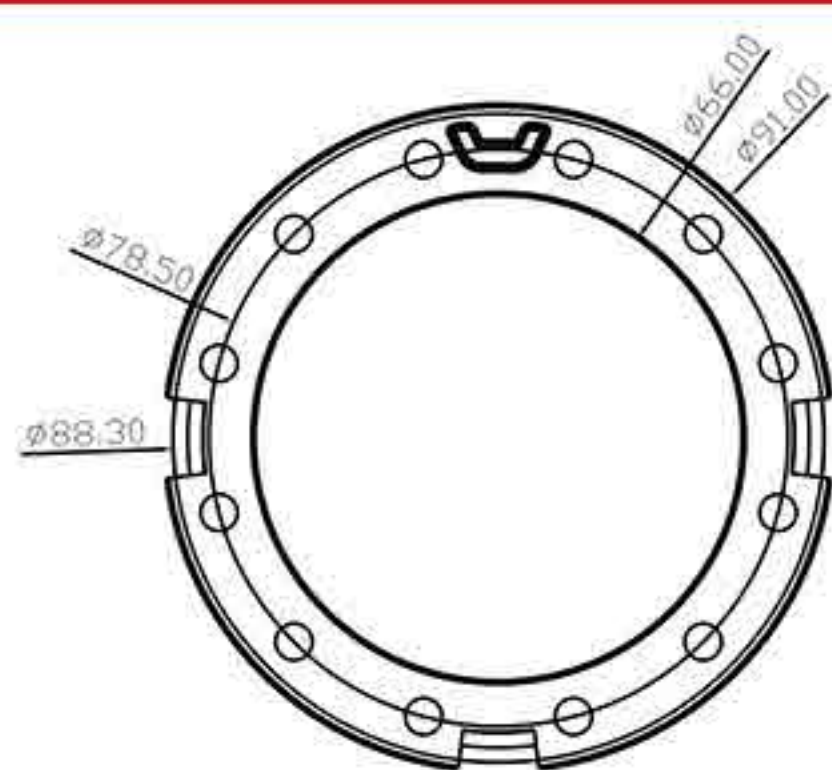
Diameter:80mm

Reference circlediameter: 66.8mm

Inner diameter: 54.24mm

Thickness:4mm

Disc-16



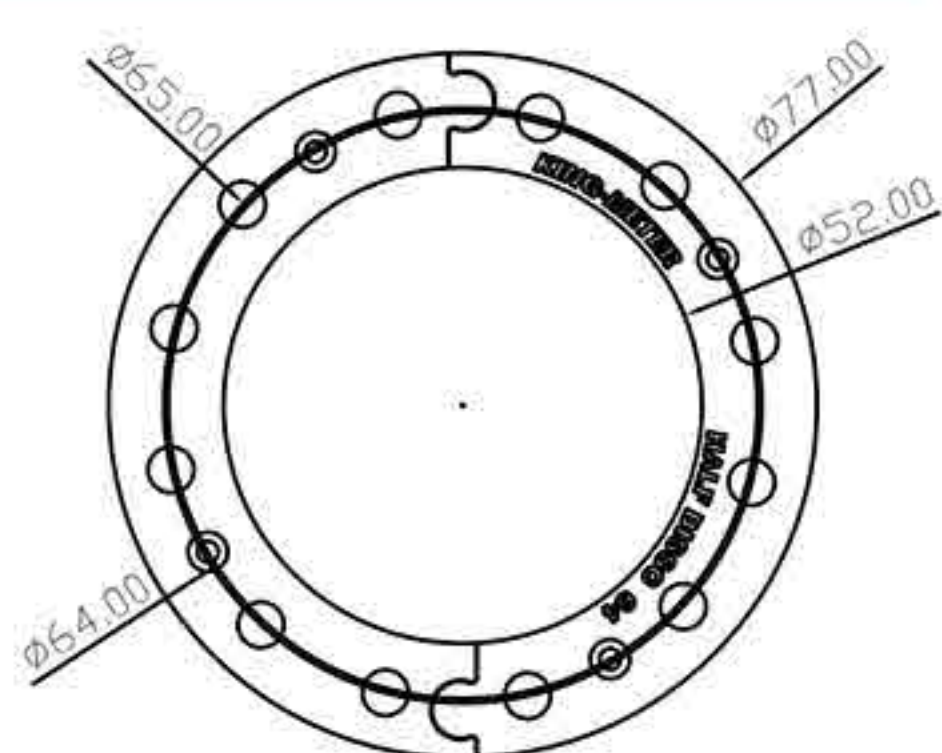
Diameter:80.17mm

Reference circlediameter: 78.5mm

Inner diameter: 66mm

Thickness:4mm

Disc-17



Diameter:77mm

Inner diameter: 52mm

Thickness:4mm



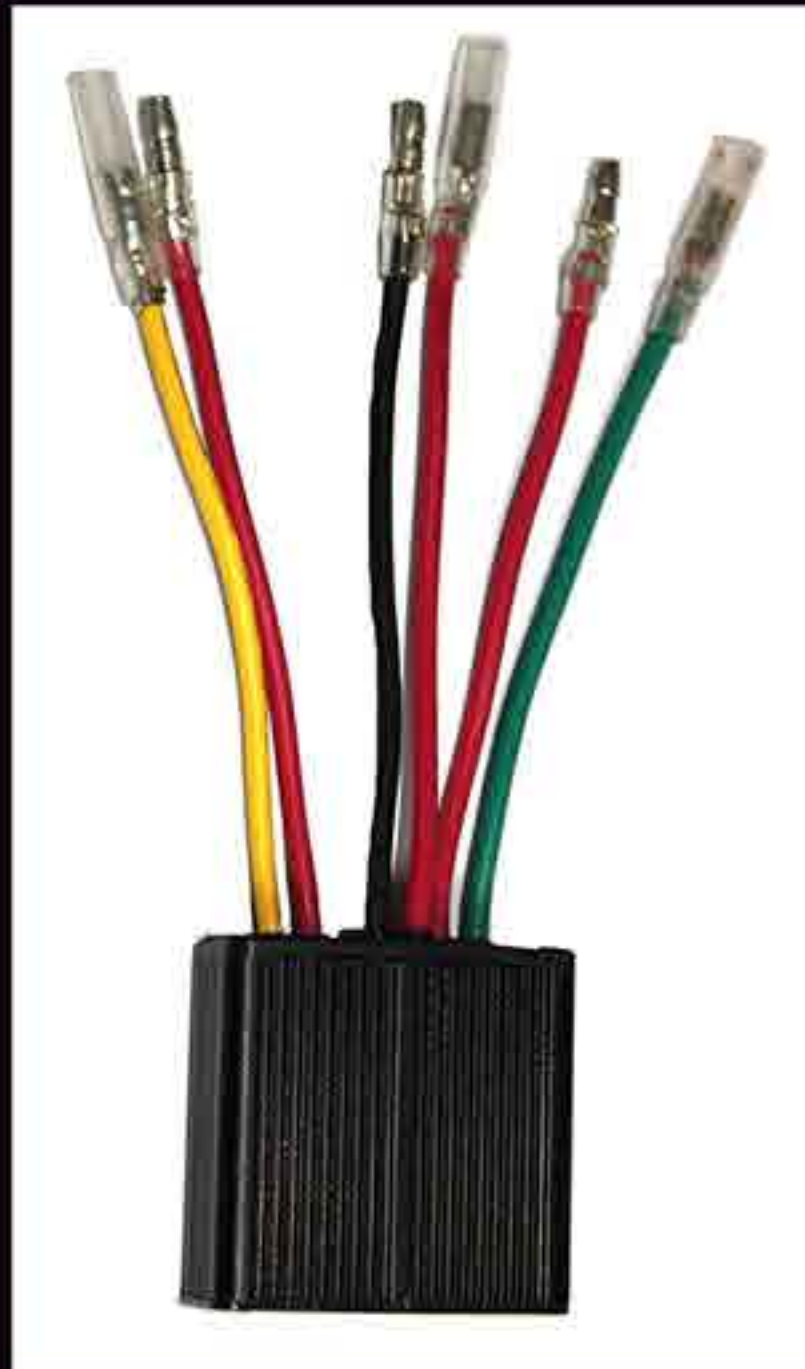
HWBS-3

The HWBS-3 is a cable brake sensor which is fitted onto the brake line and as such does not require specialised brake levers. The advantages this brings are multifaceted, it typically has a longer life than more traditional brake sensors and requires no maintenance, it has a low working power and voltage and is significantly cheaper and easier to replace in the event of a failure. The sensor operates using contactless magnetic signals so the installation of the sensor does not affect the physical operation of the brake. The integrated circuit contains a closed-loop control function which ensures signal stability even in extremely vibratory situations.

Model	HWBS-3
Size	67mm × 16.3mm × 12mm
Function	Hidden Wire Brake Sensor
Communication	-
Holder	-
Voltage	5V
Certificate	CE / ROHS / IP65

Double Battery Converter

Double battery converter can provide different solutions based on the battery system and customer requirement.



Basic Double Battery Converter

Battery A is default, when A is low power, switch to Battery B automatically.

The KM849 allows for the simultaneous use of two batteries. It can be used on 24V, 36V and 48V systems. The working principle is as the first battery drains and approaches its low voltage condition the KM849 will automatically switch to the second battery, effectively doubling the ride distance. There are 3 groups of lines for the KM849: Battery "A" input line, Battery "B" input line and Output which connects the batteries to the rest of the e-bike. Note: The line sequence can be customized.

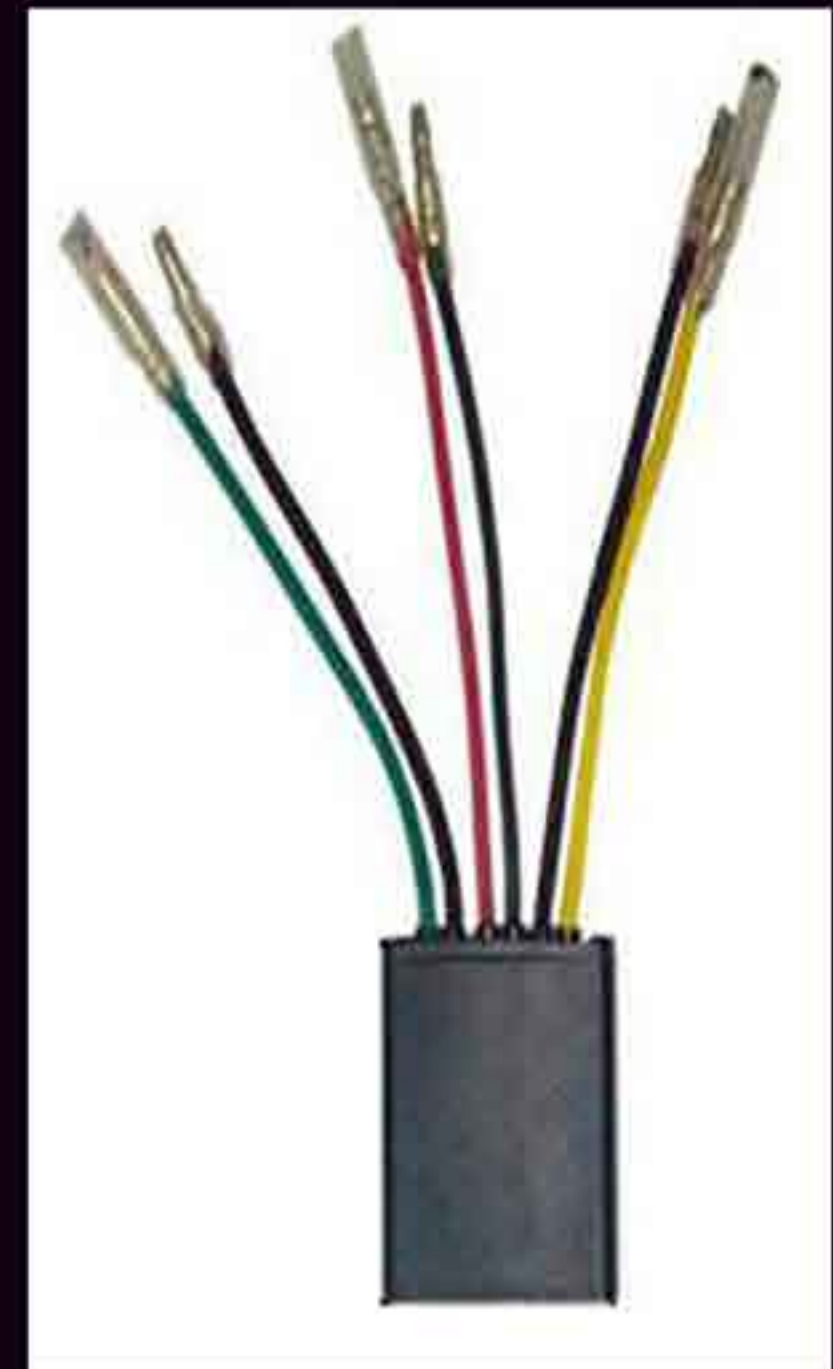
Voltage range	15V-55V
Current range	0-18A

High Power Double Battery Converter

Battery A is default, when A is low power, switch to Battery B automatically.

Function same with the Basic double battery converter, but with wider range of current, providing broader application.

Voltage range	15V-55V
Current range	0-25A



High Power Special Function Double Battery Converter

Power on self-test of two batteries and synchronous power supply.

It conducts self-test when power on, comparing the capacity of two batteries. The one with more remaining capacity will be used firstly. When the capacity of two batteries gets close, they will be used together to realize the function of synchronous power supply.

Communication Double Battery Converter

Communication function of Double battery converter is also available based on customer request. With this application, the e-bike display can show which battery (A or B) is in use, and which battery to discharge is also optional by operation of the display's buttons.

Disp-Pro

Reading & Updating firmware.

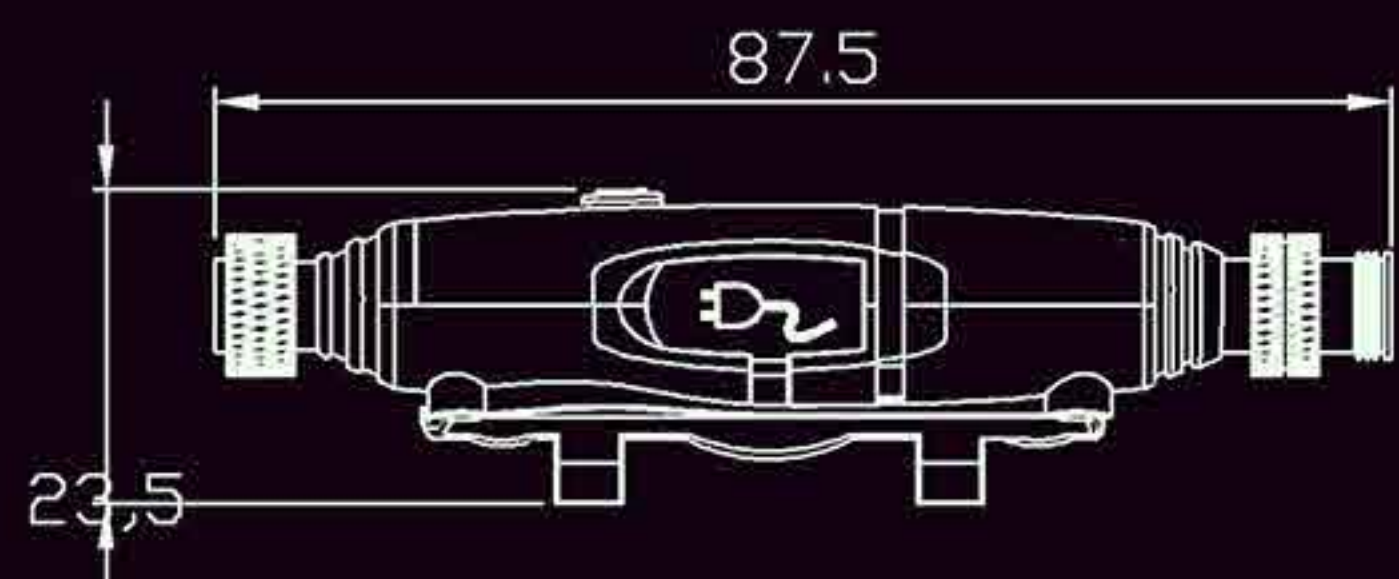
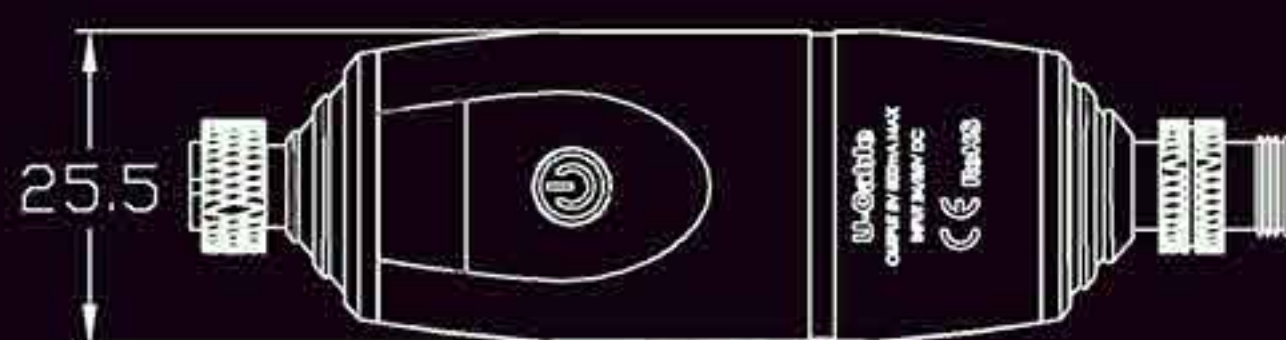


DISP-PRO is a programming tool for King-Meter displays. Powered and operated via USB, connected to a PC, it is compatible with all King-Meter displays.

U-CABLE

USB Charging function

The U-Cable has been developed by KING-METER to enable charging of phones and other portable electronics equipped with a USB port. It is placed on the line between the display and controller, via water proof connectors, and comes with a clip so it may be fixed to other cables nearby for a cleaner appearance.



DC

Change 24V/36V/48V into 6V

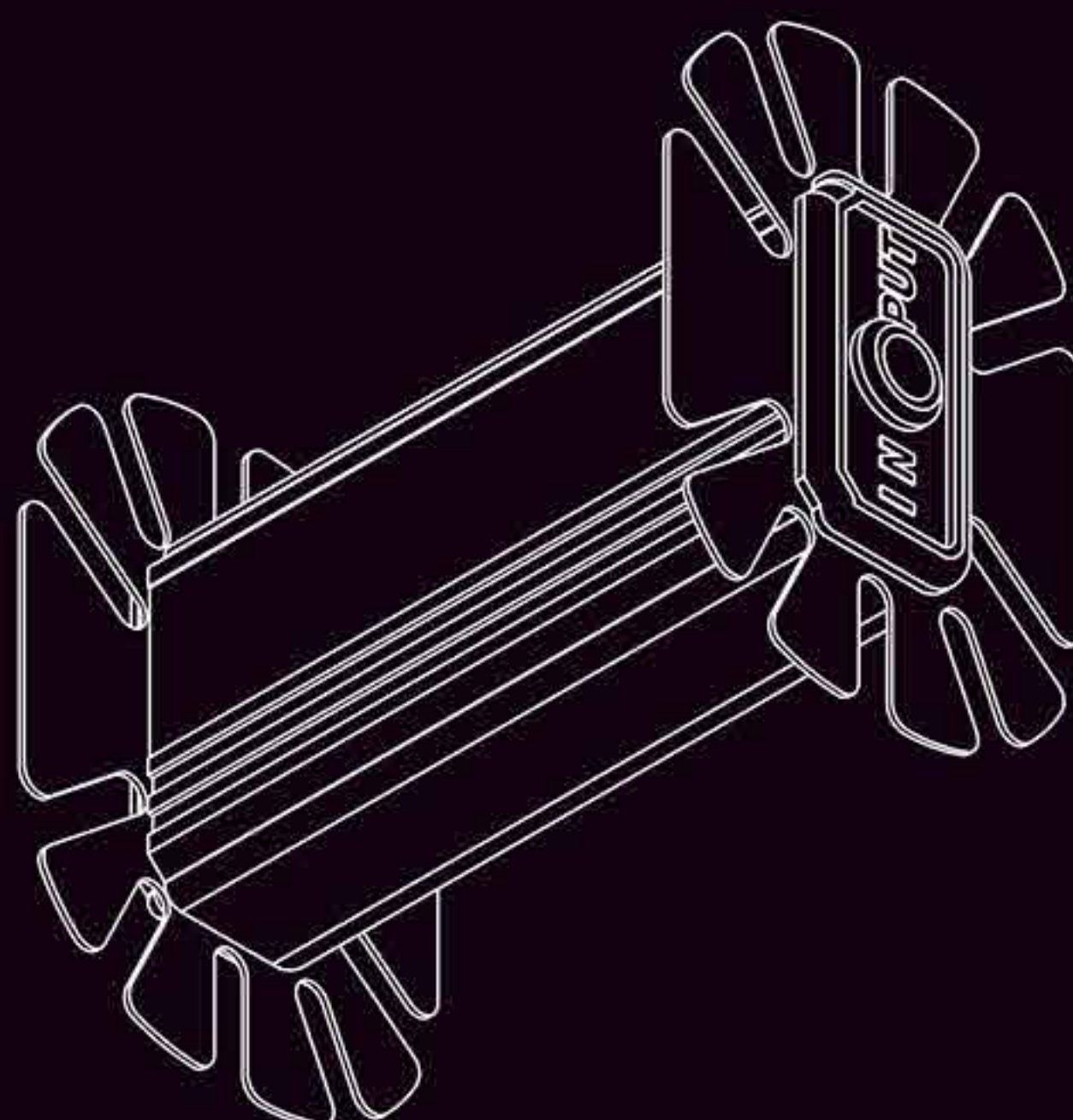
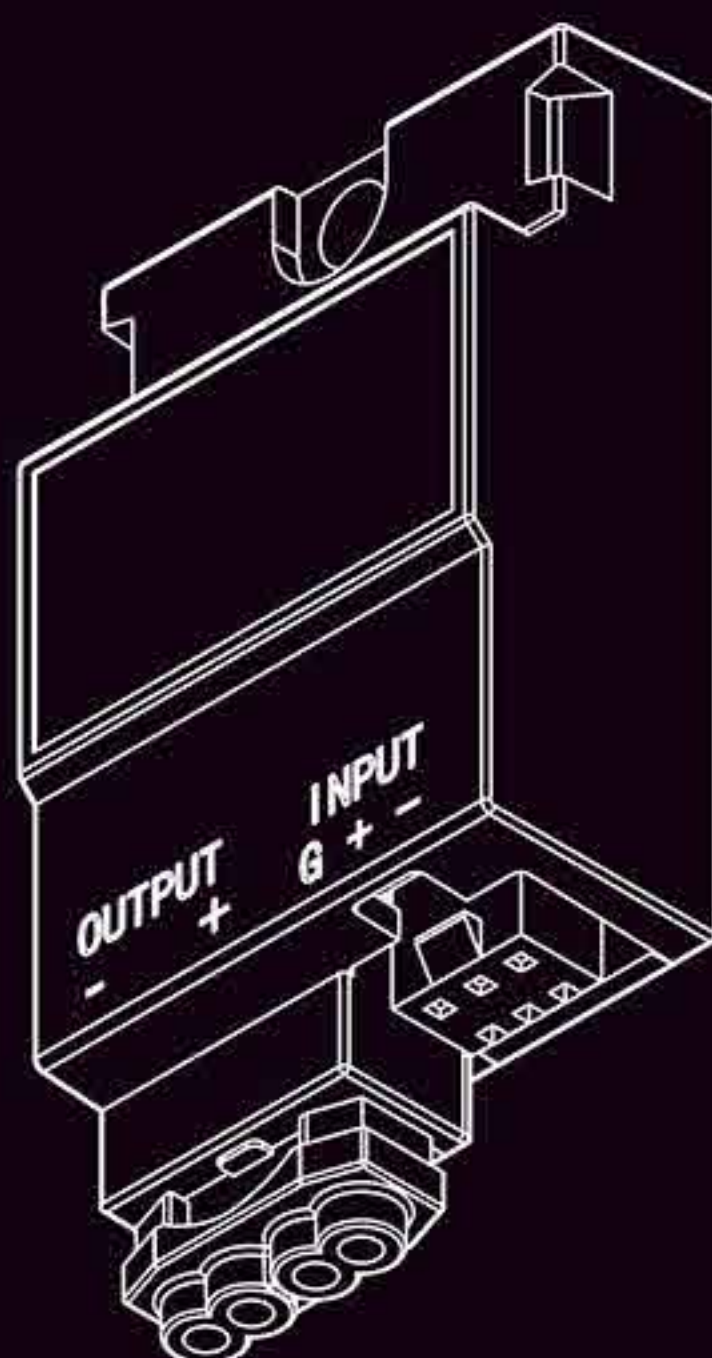
King-Meter products have a multitude of advantages, such as: Wide range of input voltages, Stable output voltages, Smart over current protection, Strong resistance to interference, etc.
Specific parameters are as follows:



DC6-1

45.1mm×29.1mm×15mm

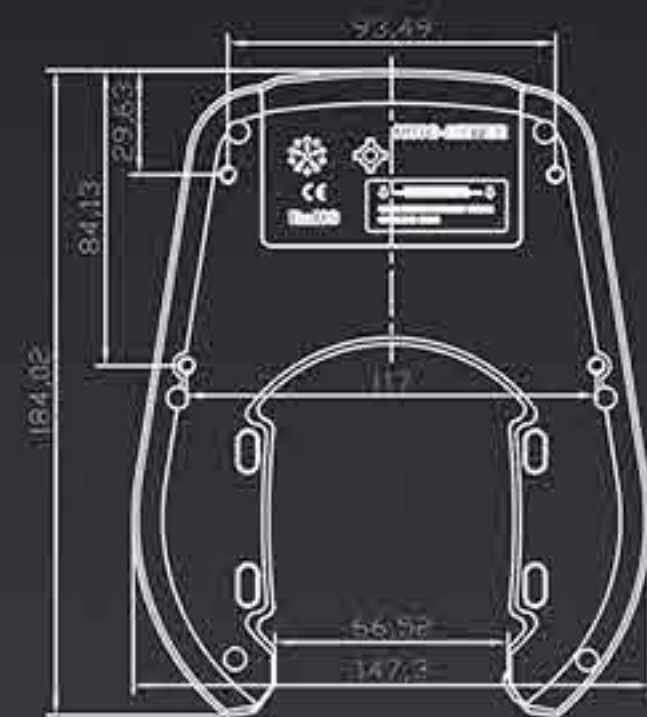
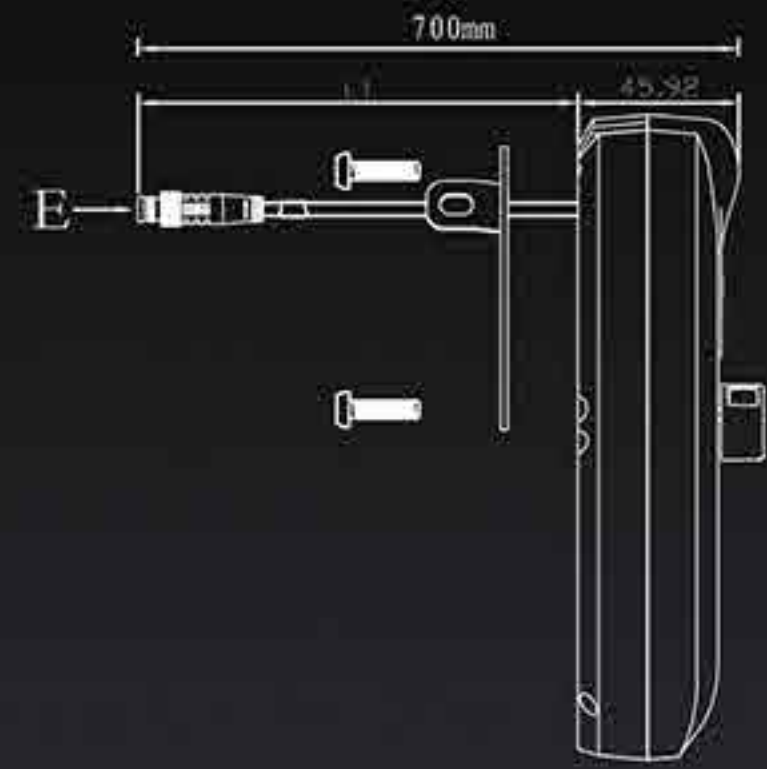
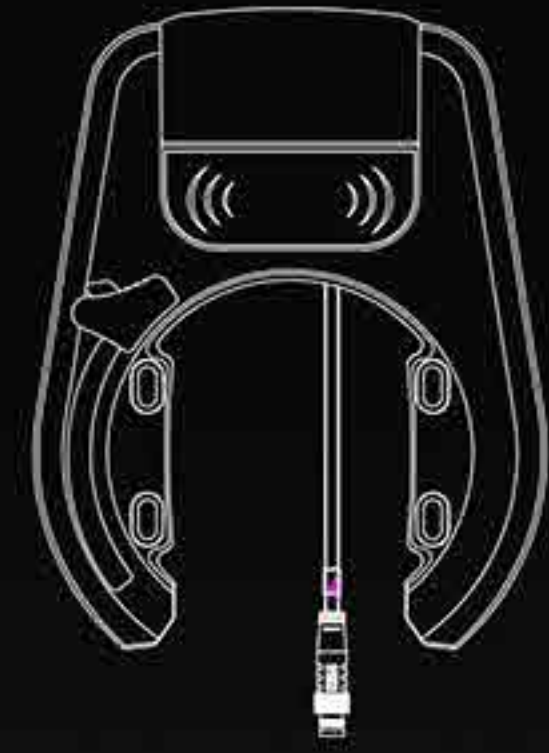
Range of input voltages	18V-55VDC
Output voltage range	5.6V-6VDC
Max switching power	75%
Max output current	550mA



DC6-3

42mm×19mm×10mm

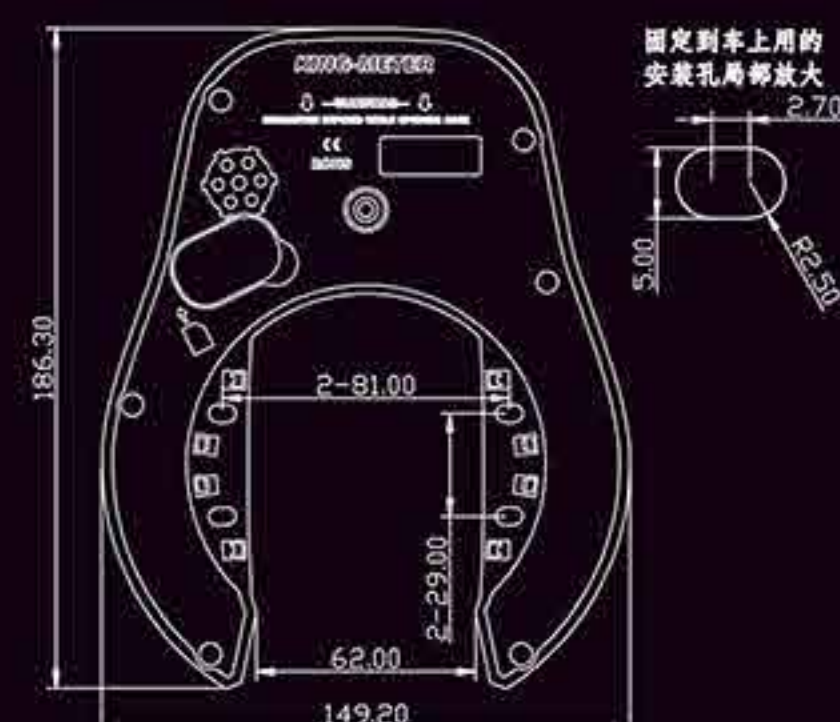
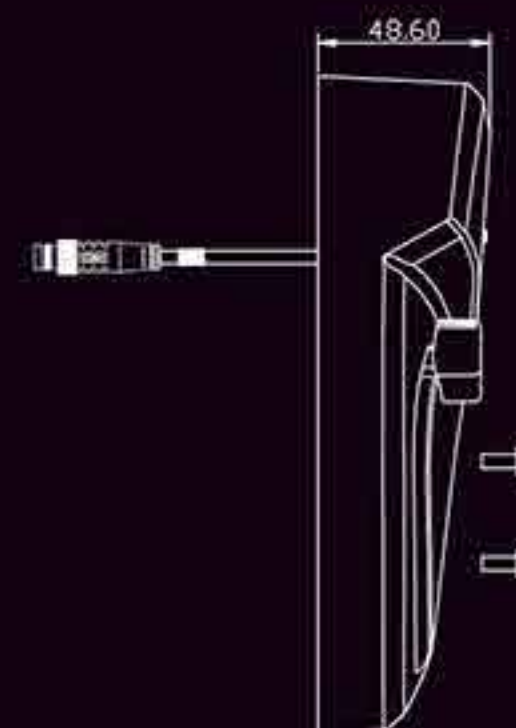
Min output current	50mA
Range of operational temperatures	-20°C– -80°C
Max output	6V/550mA



TBA LOCK II

Function:

- Aluminum housing
- GPS real-time location track
- RFID available
- Bluetooth unlock and firmware upgrade
- G-sensor detection fall down and collision
- Moving alarm
- "TBA lock eyes" APP configuration
- SIM card inside, cost 24 Euro/year for data flow
- LIN-BUS protocol connect to controller



Product Name	Function	
TBA-PADlock-BT	1. Bluetooth	5. LIN-BUS Communication
	2. Temporary parking	6. Input voltage: 18-60VDC
TBA-PADlock-BTGR	3. Scan code to unlock	7. Button wakeup
	4. Intruder alarm	
	For personal USE	NOT for sharing use
TBA-PADlock-BTGR	1. Bluetooth	8. Tracking location
	2. Temporary parking	9. Use RFID to unlock
TBA-PADlock-BTGR	3. Scan code to unlock	10. Scan code to unlock
	4. Intruder alarm	11. Electronic fence
TBA-PADlock-BTGR	5. LIN-BUS Communication	12. Fall down alarm
	6. Input voltage: 18-60VDC	13. Moving alarm when locked
TBA-PADlock-BTGR	7. GPS/GPRS	14. Button wakeup
		15. Replace SIM card outside
	For sharing use only	