



OP-BT Bluetooth Optical Probe

For Meter Communication



OP-BT Bluetooth Optical Probe serves as an interface, communicating via infrared waves with utility meters, or any other device equipped with an optical port.

- Supports transparent mode.
- Automatically detects baud rate, by support of Mode E & Mode C.
- Supports both Bluetooth Connection and USB connection.
- The infrared optical filter can block ambient light interference without compromising the device's sensitivity to IR.
- Transmission power adjustable.
- High-capacity battery guarantees 100-day in hibernate mode.
- Battery life extended with battery protection feature.
- Supports Bluetooth renaming.
- Simple firmware upgrade by Bluetooth or USB cable.



OP-BT-ANSI
Complied with ANSI C12.18



OP-BT-IEC
Complied with IEC 62056-21
Smart Baud Rate
Supports Mode E & Mode C



75 Working Hours
10,000 Meters
/single charge



Bluetooth 5.0
BLE & SPP



Water proof
Dust proof

Support Android, iOS, Windows, MacOS, Linux



Certifications



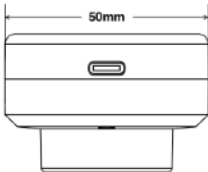
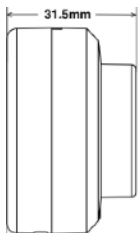
Bluetooth Product Line

	OP-BTS	OP-BT	TP-BT
			
Sub-models	OP-BTS-IEC: IEC 62056-21 OP-BTS-ANSI: ANSI C12.18	OP-BT-IEC: IEC 62056-21 OP-BT-ANSI: ANSI C12.18	TP-BT-IEC: IEC 62056-21 TP-BT-ANSI: ANSI C12.18
Features			
Screen	Connection status, baud rate, battery status, storage status, and quick settings.	N/A	N/A
Flashlight	Available	N/A	N/A
Storage	Available	N/A	N/A
Baud Rate Settings	On device or iOS/Android App	From iOS/Android application	N/A
Transmission power settings	On device or iOS/Android App	From iOS/Android application	N/A
Battery Protection	Available	Available	N/A
Reset Serial Port	Available, from device menu	Available, on device	N/A
Select Standby Time	Available, from device menu	N/A	N/A
Select Screen Brightness	Available, from device menu	N/A	N/A
Rename Bluetooth Name	From iOS/Android application	From iOS/Android application	Requires uplink cable from manufacture
Upgrade Firmware	Via Bluetooth or USB cable	Via Bluetooth or USB cable	Requires uplink cable from manufacture
Technical Specification			
Bluetooth Standard	5.0 BLE + SPP	5.0 BLE + SPP	4.0 BLE + SPP
Connector	USB-C (Type-C)	USB-C (Type-C)	Mini-USB
LED Indicator	2 (Power, Battery, Bluetooth Status, RX, TX)	3 (Power, Battery, Bluetooth Status, RX, TX)	2 (Power, Battery, RX, TX)
Data Storage	16MB	N/A	N/A
Battery	1050mha	1050mha	800mha
Working Hours			
Standby Hours	72h	80h	59h
maximum Working Hours time	68h	75h	39h
Continuous Conversation time	58h	64h	27h
Hibernate Mode	100 days	100 days	N/A

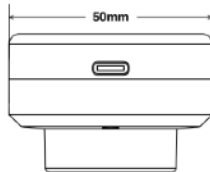
Technical Specifications

Standard:	OP-BT-IEC: IEC 62056-21(IEC 61107) OP-BT-ANSI: ANSI C12.18 Type 2 DLMS
Bluetooth Standard:	Bluetooth 5.0, BLE + SPP, 2.4G
Communication Speed:	300bps ~ 57,600bps
Default Baud Rate:	9600bps, supports IEC dynamic baud rate,
Max Bluetooth Communication Range:	10 Meters
Magnet Attachment:	Magnetic Force, N4.0 Complied with IEC 62056-21(IEC 61107) or ANSI C12.18
Indicators:	3 (Power/Battery, Bluetooth Status, RX, TX)
Weight:	59gr
Battery:	Li-Po, 3.7V, 1050mAh
Battery Charging:	4.5 Hours , 2.5 Hours(fast charge)
Standby Hours:	80h
Working Hours:	75h
Continuous Conversation :	64h
Hibernate Mode:	100 days
IR Radiation Wavelength:	940nm
IR Communication Distance:	0 ~ 80mm
IR Sensor Wavelength:	700~1100nm
Voltage:	3.7 ~ 4.2V
Power Adapter:	AC 85 ~ 220V, DC 5V
Cable Length:	1 meter
Casing Material:	Polycarbonate
Protection Class:	IP67
Working Temperature:	-30°C ~ 80°C
OS compatibility:	iOS, Android, Linux, Microsoft Windows, Mac OS X, Windows CE
USB & Driver:	USB Type-C, 2.0 standard
Firmware:	Upgradable, via bluetooth or USB cable

Dimensions



OP-BT-IEC



OP-BT-ANSI