



TP-BT-PLUS with Protective Case



TP-BT-Plus

Data Sheet



Android



iOS



Bluetooth SPP+BLE



Identification



Protection IP65

Tespro's TP-BT-PLUS Bluetooth optical probe is designed for efficient and versatile meter communication, supporting both Classic Bluetooth and Bluetooth Low Energy. Built with a low-power Chip set, it offers long-lasting battery life and fast charging via a Type-C interface. With IP54 protection, an LED indicator, and Bluetooth OTA update capability, it ensures stable performance in various environments.

The TP-BT-PLUS supports IEC, ANSI, and DL/T-645 protocols, making it suitable for global applications. In addition, it enables Automatic Meter Reading (AMR) functionality for convenient and reliable remote data collection. Certified by the Bluetooth SIG, the device combines quality, durability, and smart functionality in a compact form.



(1) USB Charger Adapter



(2)Charger Cable



(3)Safety Strap



(4)Bluetooth Adapter(Optional)



(5)Protective Case

Technical Specifications

Items	Features
Communication Interface	BLE and SPP dual-mode
Supported Standard	IEC-62056, ANSI, and DL/T-645 protocols, fitting global meter standards
Battery Feature	800 mAh (Optional)
Battery Charging Time	30 mins-2C PD Fast Charge
Computer Communication Port	Type C- USB 3.0/ OTG
Sensor Light Wave Length	~ 900 nm.
Number Of Keys	2 Keys (Power and reading)
LED Indicators	5 LEDS (Power/ Communication/ Charg/ BLE/ Reading)
Magnet Holding Power	N40/ N52 (Optional)
Maximum Data Rate	57600 in normal and max.115200 available
USB Connection Optical Probe Model	Supported(Add Data Cable)
Width & Height	31,5 mm / 33,5 mm
Weight	65 gr
Transparent Communication Mode	IEC 62056-21 Mode C / Mode E / User Mode
Smart Communication Mode	There is (IEC 62056-21 Mode C / Mode E)
Maximum Frame Length(MTU)	512 bytes
Silicone Protection	Yes (Included)
Safety Strap	Yes (Included)
Working Environment	-40 ° C - +70 ° C
Enclosure Material	PC
Protection Class	IP 65
Firmware And Configuration Update	OTA
Working Days	Max 100 hours
Standby Time	~ 1 Year
LED Flashlight	Yes (Include)
Auto power-off	Default auto power-off after 5 minutes (adjustable)
Automatic Meter Reading (AMR)	Support



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