



OP-700

Bluetooth Optical Probe

Overview

Bluetooth optical probe (OP-700) is a 2-way optical interface compliant with IEC62056-21 international standard for data transmission with all types of IEC meters. Data transmission between meter and the probe is done via infra-red and data transmission between the probe and the reader device is via bluetooth.

General Specifications

▶ Radio Type	Bluetooth Module Ver. 2.0 + EDR
▶ Magnetical Holding Force	More than 15 N
▶ Casing Material	ABS
▶ Dimensions (Ø x H)	72.2x42.2x37 mm
▶ Weight	75 gr
▶ Standard	IEC62056-21 mode C, E
▶ Wavelength	880 nm

Electronical Specifications

▶ Supply Current	5 V
▶ Supply Voltage	200 mA (RMS)
▶ Data Transfer Rate (BAUD RATE)	default: 300 Adjustable to 600,1200,2400,4800,9600,19200 Auto secondary baud rate detection
▶ Battery	Li-ion, 3.7V, 650mAh 14 hours sending state 17 hours idle
▶ Maximum Effective Range	10 m
▶ Propagation Delay	Less than 1 micro seconds in 25 degree Celcius
▶ Sunlight Rejection	✓
▶ High Speed Echo Rejection	✓
▶ ECO filter	✓



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