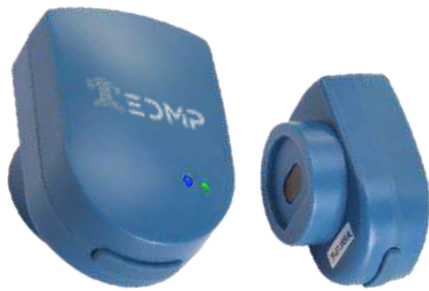


OptiLink (Bluetooth)

Bluetooth Low Energy Optical Probe for Data Communication



The EDMP **OptiLink (Bluetooth)** is a dual-purpose communication probe designed for secure and efficient interaction with EDMP smart meters. It supports both Classic Bluetooth and BLE low-power modes, allowing wireless pairing with PCs, laptops, and handheld devices, while also functioning as a USB optical head when connected via charging cable.

Fully compliant with IEC 62056-21 and supporting DLMS protocols, it enables meter reading, programming, and diagnostics at data rates up to 57,600 bps. Powered by a rechargeable 800 mAh battery with up to 100 hours of operation, the probe features LED indicators for power, communication, charging and BLE status, ensuring reliability and ease of use in field applications

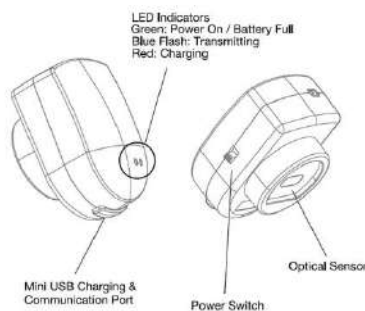


OptiLink (Bluetooth)

Technical Specifications

Design	Dual-purpose: Bluetooth communication + USB optical head (via charging cable)
Standards Compliance	IEC 62056-21 compliant; Supports DLMS for data and parameter reading/writing; ANSI, DL/T-645 protocols, Fitting global meter standards
Bluetooth Versions	Bluetooth 2.1 to 5.4 dual-mode (Classic & BLE low-power)
Battery	- Capacity: 800/1000 mAh - Charging Time: 30mins 2C PD Fast Charge
Communication	- Port: Type C- USB 3.0/ OTG - Duration: Max 100 hours - Interface: BLE and SPP dual-mode
Sensor Light Wavelength	~900 nm
Communication Rate (Max)	57600 in normal and max.1 15200 available
Maximum Frame Length	512 bytes
Communication Mode	- Transparent: IEC 62056-21 Mode C / Mode E /User Mode, ANSI C12.18 / ANSI C12.18-2006 type2 - Smart: IEC 62056-21 Mode C / Mode E
Duration of Communication	Max 100 hours
Battery Life	Up to 20 hours of continuous operation (fully charged)
Communication Distance	Up to 10 meters
Auto Power Off	Default auto power off after 5 mins (Configurable)
Indicators	- Power LED - Communication LED - Charging LED - BLE LED
Operating Temperature	-40°C to +70°C
Protection Class	IP65
Dimensions & Weight	Dimensions: 31.5 mm Diameter / 33.5 mm Height; Weight: 65gr

Design



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