

MO-BLE

Bluetooth LE Optical Probe

Wireless meter reading from iOS and Android apps over BLE 5.

OVERVIEW

MO-BLE connects the meter to your phone. Accessible directly from iOS and Android apps over Bluetooth 5 Low Energy, it opens a transparent serial channel via the Nordic UART Service (NUS). Press PAIR, pick the device in the app, start reading when RDY lights up. The rechargeable battery is sized for a full field day and charges over USB-C.

HIGHLIGHTS

- Bluetooth 5 Low Energy — works with iOS and modern Android apps
- Transparent serial bridge via Nordic UART Service (NUS)
- Rechargeable Li-Po battery, USB-C charging
- One-button pairing, RDY LED for link status
- Low power for long field sessions
- Encrypted link — LE Secure Connections
- Firmware updates over the app (OTA)

LED INDICATORS

- PWR** Device powered
- TX** Sending data to the meter
- RX** Receiving data from the meter
- RDY** Link established / paired

COMPATIBILITY

All electricity, gas and water meters with an IEC 62056-21 (IEC 1107) optical port. DLMS/COSEM and mode-E switching are carried transparently. Compatible with the TEDAŞ MASS ecosystem.

SPECIFICATIONS

Arayüz / Interface	Bluetooth 5 LE (NUS)
Platform	iOS · Android
Menzil / Range	~10 m
Baud	300 – 115200
Batarya / Battery	Li-Po, USB-C şarj / charge
Eşleşme / Pairing	PAIR tuşu / button
Optik / Optics	IEC 62056-21 kafa / head, 880 nm IR
Mıknatıs / Magnet	Halka tip / ring, ≥ 15 N
Sıcaklık / Temp.	-25 ... +70 °C
Gövde / Housing	ABS, siyah / black
Standartlar / Standards	IEC 62056-21 · IEC 1107 · DLMS/COSEM · MASS