

MO-USB

USB Optical Probe

Plug-and-play meter reading over a USB virtual COM port.

OVERVIEW

MO-USB is the shortest path between a computer and a meter. Plugged into a USB port it appears as a standard serial port (virtual COM); whatever reading software you use treats it like any COM port. It carries the IEC 62056-21 handshake, the 300-baud opening and the baud switch losslessly at the physical layer; DLMS/HDLC and MASS frames pass transparently. On the bench, in the lab or in the field with a laptop: plug in, pick the port, read.

HIGHLIGHTS

- USB virtual COM port on Windows, Linux and Android (OTG)
- Works with all IEC 62056-21 reading software once the driver is installed
- Bus powered — no external supply required
- Magnetic ring for precise alignment on the meter optical port
- TX/RX LEDs for live traffic monitoring
- IEC 62056-21 handshake and baud switching carried losslessly
- ESD-protected data line, rugged cable exit

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	USB 2.0 Full Speed (Type-A)
Platform	Windows · Linux · Android (OTG)
Baud	300 – 115200 (oto / auto)
Besleme / Power	5 V (USB bus)
Kablo / Cable	1.8 m
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