

SONDA OPTICAL PROBE

ENABLING AN ACCURATE METER READOUT.

Sonda 5



Sonda 6



Sonda optical probes are an essential part of the Iskraemeco smart metering solution, as they are designed for local communication with the meter. Sonda is a reliable, field-proven product utilized in many metering projects worldwide. It uses an optical interface to communicate with the meter (e.g. electric meter, gas meter, water meter, etc.) and connects via USB interface to handheld devices, laptops and desktop computers.

FEATURES

- Based on Open standard IEC 62056-21.
- Proven in the field – utilized in metering project worldwide for more than 15 years and during the development of Iskraemeco meters.
- Universal connector USB to connect to computer or handheld units.
- Powered by USB (doesn't require batteries or external power supply).
- No Power reading – Sonda 6 enables reading of MT880 meters also, when the meter is not powered.
- High data rates up to 115,200 bps.

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TECHNICAL SPECIFICATIONS		
Connector	USB 1.1 and 2.0 Type-A	USB 1.1 and 2.0 Type-A
Protocol	IEC 62056-21 (former IEC 1107)	IEC 62056-21 (former IEC 1107)
Data rate	max 115,200 bps	max 57,600 bps
Operating mode	Half-duplex	Half-duplex
No-Power reading	-	+ (with MT880)
Operating voltage	5v, Power by USB	5v, Power by USB
Cable length	2m	2m
Wave length	880 nm	875 nm
Magnetic Force	> 6 N	> 14,7 N
Consumption	Max 25 mA	Max 25 mA (switch position 0), Max 250 mA (switch position 1)
Material (body)	ABS	ABS
Dimensions (HxWxD)	34x47x13 mm with circular extension (diameter: 31 mm, height: 7 mm)	32x32x31 mm
Weight	Approx. 60 gr	Approx. 66 gr