



OP-345

Meter reading optical probe OP-345 with RS-232 output signal

The Optical Probe OP-345 with RS-232 output is an interface that communicates with a peripheral device such as an electric meter, water meter, heating meter or gas meter via infrared waves. Any other device that supports the European standard IEC 62056-21 (IEC 1107) is compatible with this product.

The Optical Probe OP-345 with RS-232 port and RJ-10 connector is suitable if consumption data is supposed to be read out by a peripheral device such as a handheld or a muc device.

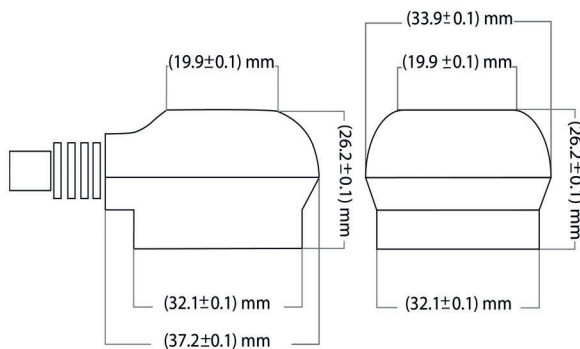
Specific adjustments are possible based on requirements.

Mechanical description of the optical probe OP-345:

- Connector: RJ-10
- infrared filter against external light influences
- Dimensions (Ø x H): approx. 32 x 26 mm
- Magnetic holding force: > 15 N
- Casing material : ABS
- Cable length: 1,5 m
- Cable: Ø 4,5 mm, four-wire cable
- Weight: approx. 85 gr.

Electronic description of the optical probe OP-345:

- Standard: IEC 62056-21 (IEC 1107)
- Power supply: no power supply required. Supplied from RS-232 interface
- Consumed current: approx. 5 mA (Transmitting operation)
- Signal level: Compatible with EIA-232 (RS-232)
- Data baud rate : 19200 bit/S
- Wavelength: 880nm
- Echofilter: yes



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Pin	Signal	Color	Description
1	VCC	Red	+5 Volt or DTR
2	GND	Black	Ground
3	TXD	Green	RS-232 Transmit Data
4	RXD	White	RS-232 Receive Data

