



# OP-300

## Meter reading optical probe OP-300 with RS-232 output signal

The Optical Probe OP-300 with RS-232 output is an interface that communicates with a peripheral device such as an electric meter, water meter, heat meter or gas meter via infrared. Any other device that supports the European standard IEC 62056-21 (IEC 1107) is compatible with this product.

The Optical Probe OP-300 with RS-232 port and a D-Sub 9 pin Female connector is suitable if consumption data is supposed to be read out by a peripheral device such as a handheld device.

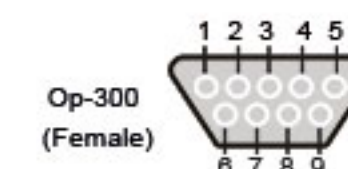
Specific adjustments is possible by order.

### Mechanical description of the optical probe OP-300

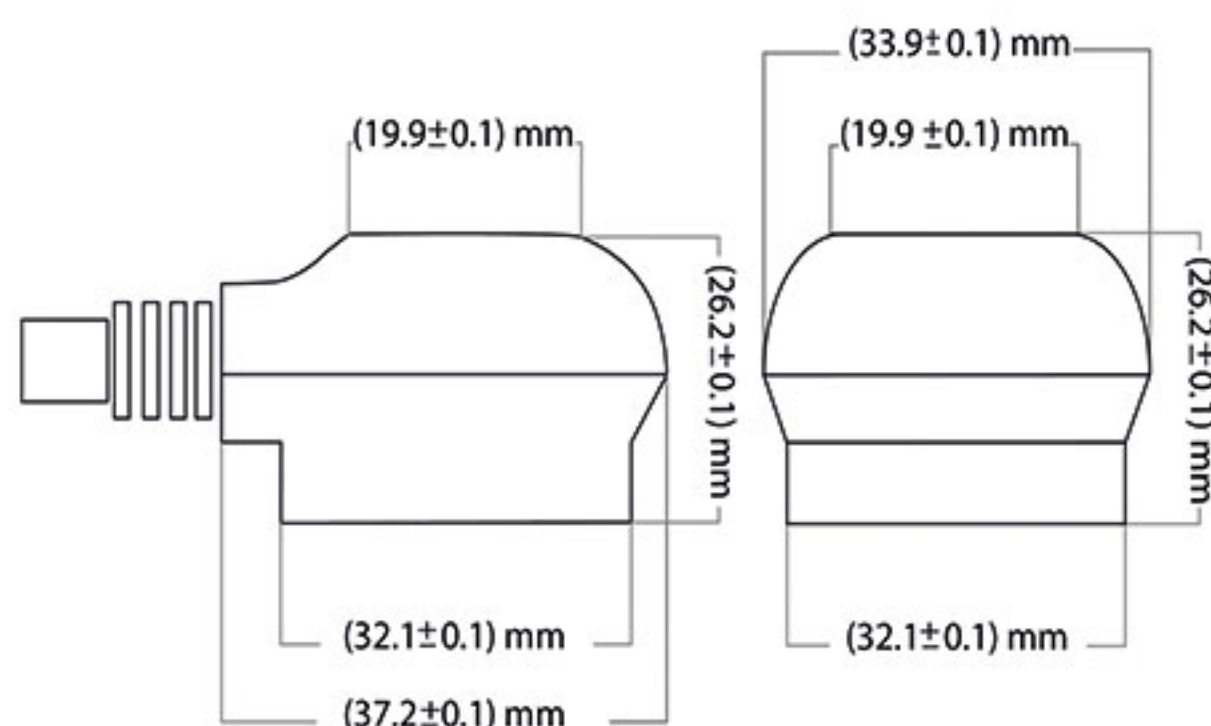
- Connector: a serial DB-9 female connector
- infrared filter against external light influences
- Dimensions (Ø x H): approx. 32 x 26 mm
- Magnetic holding force: > 15 N
- Casing material : ABS
- Cable: length 2 m, Ø 4,5 mm, four-wire cable (LAPP KABEL GERMANY)
- Weight: approx. 110 gr.

### Electronic description of the optical probe OP-300

- 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



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



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