



# OP-310

## Meter reading optical probe OP-310 with RS-232 output signal

The Optical Probe OP-310 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-310 with RS-232 output and an HP standard 22 pin connector is suitable for you, if you would to read out consumption data by a peripheral device such as a handheld device like here specifically the HP handheld, and generally communicates with the meter.

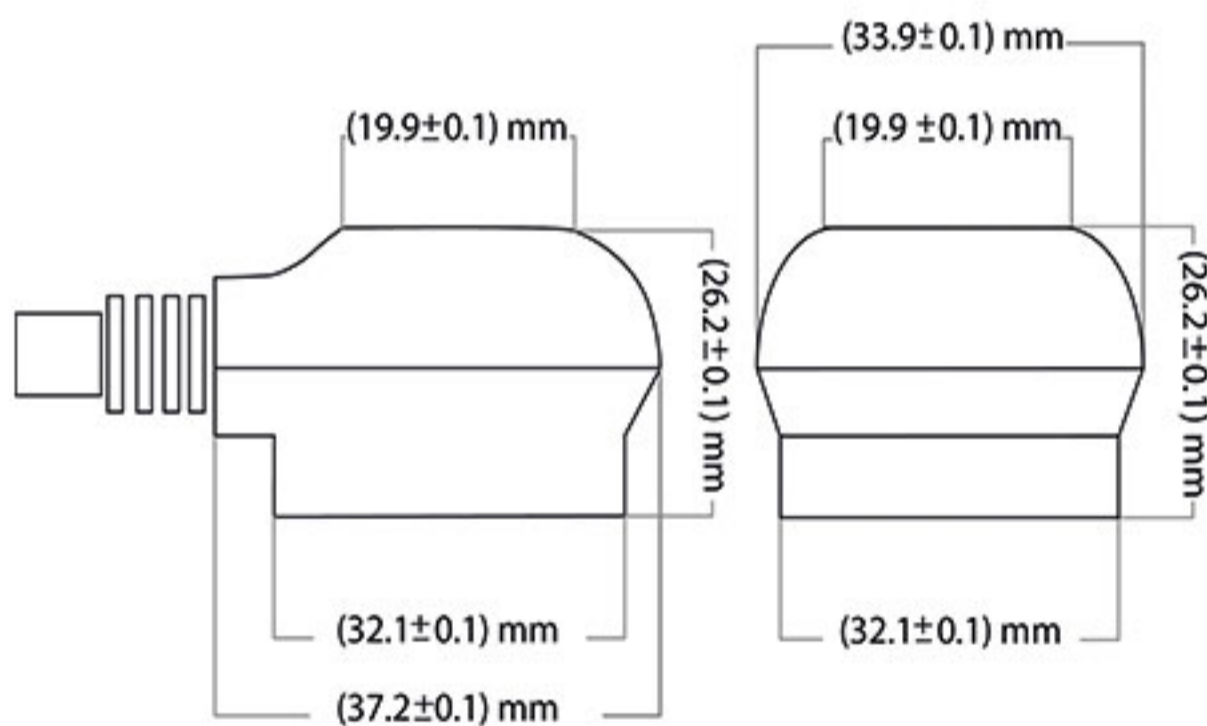
Specific adjustments is possible by order.

### Mechanical description of the optical probe OP-310

- Connector: serial HP Standard 22-pin 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. 95 gr.

### Electronical description of the optical probe OP-310

- 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 | Description                |
|-----|--------|-------|----------------------------|
| 7   | RXD    | □     | RS-232 Receive Data        |
| 8   | TXD    | ■     | RS-232 Transmit Data       |
| 9   | DTR    | ■     | RS-232 Data Terminal Ready |
| 11  | GND    | ■     | Ground                     |



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