



Signal	Color	Description
RXD	Green	RS-232 Receive data
TXD	Yellow	RS-232 Transmit data
VCC	White	+5 Volt or DTR
GND	Brown	Ground

OP-333

Optical probe with RS-232 output signal

Overview

OP-333 is an IEC62056-21 optical head with RS232 (no connector) output that communicates with all types of metering devices that are compliant with IEC62056-21 standard via infrared. This device can be used for onsite reading and configuring of all types of meters or other devices that are compatible with IEC62056-21 standard.

Mechanical description

Connector	without connector
Infrared filter against external light influences	
Dimensions (Ø x H)	approx. 32 x 26 mm
Magnetical holding force	> 15 N
Casing material	ABS
Cable	Length 2 m, Ø 4,5 mm, four-wire cable LAPP GERMANY
Weight	approx. 90 gr

Electronical Description

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	from 300 to 19200 bit/s
Wavelength	880nm
Echo filter	yes



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