



Wire	Signal	Color	Description
1	RXD		TTL Receive data
2	TXD		TTL Transmit data
3	VCC		3.5 to 5.5 Volt
4	GND		Ground

OP-500

Optical probe with TTL voltage level (0 to 3.3 V)

Overview

OP-500 is an IEC62056-21 optical head with TTL (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. OP-500 has a four-wire output which is suitable for use with microcontrollers.

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	3.5 V to 5.5 V
Consumed current	approx. 10 mA
Signal level	TTL voltage level (0 to 3.3 V)
Data baud rate	from 300 to 19200 bit/s
Wavelength	880nm
Echo filter	yes



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