OP-210
Optical probe with USB output signal

Overview

OP-210 is an IEC62056-21 optical head with USB (USB Type A) 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-210 is compatible with different operating systems such as Mac, Windows, Windows Mobile, Linux, etc. use. The driver for this purpose is included.

Mechanical description

Connector	USB type A
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 consumption	approx. 25 mA (communication process)
Operating voltage	5 V from the USB interface
Data baud rate	from 300 to 19200 bit/s
Electrical interface	USB 1.0
Communication	Half duplex
Wavelength	880nm
Echo filter	yes

Pin	Signal	Description
1	VCC	+5 Volt
2	D-	Data -
3	D+	Data +
4	GND	Ground

GERMAN METERING GmbH

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