CONDUCTIVITY METER

PCE-PHD 1-LF



- **Real-time data logger**
- **Compatibility with SD cards up to 16 GB**
- **The stored data is saved directly as an Excel file on the SD card (no**
- **software needed for evaluation)**
- **RS-232 interface for online data transmission**
- **High precision**

PCE-PHD 1-LF Multifunction Conductivity Meter is a portable, easy-to-use measuring device with multiple capabilities for inspecting water quality. Offering extraordinary precision at an affordable price, the Multifunction Conductivity Meter is used for laboratory and *in situ* testing of the pH value, redox, conductivity, salt content, oxygen level and temperature of water.

Temperature compensation guarantee a high level of accuracy even with variable temperature measurements. PCE-PHD 1-LF is supplied with a conductivity electrode. Additional electrodes are available for purchase separately, as is an optional mains adapter for power and a software kit with an RS-232 cable. PCE-PHD 1-LF acts as a real-time data logger. All values can be stored directly on the included SD card in Microsoft Excel format or transferred to a PC by means of the RS-232 port. Thus, no additional software is required for evaluation of the data.

Specification

Conductivity	
Measuring range	0 ... 200 µS/cm
Resolution	0,1 µS/cm
Accuracy	±(2% FS +1 digit)
Conductivity	
Measuring range	0,2 ... 2 mS/cm
Resolution	0,001 mS/cm
Accuracy	±(2% FS +1 digit)
Conductivity	
Measuring range	2 ... 20 mS/cm
Resolution	0,01 mS/cm
Accuracy	±(2% FS +1 digit)
Conductivity	
Measuring range	20 ... 200 mS/cm
Resolution	0,1 mS/cm
Accuracy	±(2% FS +1 digit)
Electrode	
Measuring range	0 µS/cm ... 200 mS/cm
Temperature range	0 ... 60 °C
Shank length	120 mm
Shank diameter	22 mm

General technical data	
Temperature compensation	automatic, 0 to 60°C / 32 to 140°F
Display type	LCD
Display size	2,54 Inch
Storage medium	SD card
Storage capacity	16 GB
Storage interval from	1 s
Storage interval to	9 h
Interface	RS232
Calibration	at 1413 µS/cm
Menu language	English, English (GB)
Protection class (device)	IP20
(Rechargeable) battery	6 x 1,5 V AA battery , Alkali-manganese
Capacity	3000 mAh
Operating conditions	0 ... 50 °C , 0 ... 85 % RH
Storage conditions	0 ... 50 °C , 0 ... 85 % RH
Dimensions (L x W x H)	177 x 68 x 45 mm
Weight	490 g

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