# 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**
- **Low battery indication**
- **Large LC display**
- **Adjustable measuring rate**
- **Easy to use**
- **Robust housing**

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

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| **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 |

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|---|---|
| **General technical data** | |
| Temperature compensation NEW | automatic, 0 to 60°C / 32 to 140°F |
| Display Typ | LCD |
| Display size | 2,54 Inch |
| Storage medium | SD card |
| Storage capacity | 16 GB |
| Storage interval from | 1 s |
| Storage interval until | 9 h |
| Interface | RS232 |
| Calibration | at 1413 µS/cm |
| Menu language | English (US), English (GB) |
| Protection class (device) | IP20 |
| Battery/battery | 6 x 1,5 V AA Battery (1,5V) , Alkali-Manganese |
| Battery 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 |