

MULTIFUNCTION PH METER

PCE-PHD 1-PH



- » **Automatic calibration**
- » **Low battery indication**
- » **Adjustable measurement rate**
- » **Manual or automatic temperature compensation**
- » **Compatibility with SD cards up to 16 GB**
- » **pH electrode and temperature sensor included**

This pH 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 pH Meter is used for laboratory and *in situ* testing of the pH value, redox, conductivity, salt content, oxygen level and temperature of water. Three-point calibration and automatic temperature compensation guarantee a high level of accuracy even with variable temperature measurements.

The pH meter is supplied with both a pH electrode and a temperature sensor. Additional electrodes are available for purchase separately, as is an optional mains adapter for power and a software kit with an RS-232 cable. The pH meter 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

pH	
Measuring range	0 ... 14 pH
Resolution	0,01 pH
Accuracy	±0.02 pH +2 digits
Electrode	
Designation	PE-03
Measuring range	1 ... 13 pH
Shank material	Epoxy resin
Shank length	160 mm
Shank diameter	12,3 mm
Cable length	1 m
Electrode	
Designation	Twin Pack 07
Measuring range	0 ... 60 °C
Shank length	110 mm
Shank diameter	4 mm
Cable length	1 m
Connection	3.5 mm jack plug (2-pin)

General technical data	
Temperature compensation	Automatically with additional temperature sensor 0 to 60°C / 32 to 140°F or manually from 0 to 100°C / 32 to 212°F
Display type	LCD
Display size	2,54 Inch
Storage medium	SD card
Storage capacity	16 GB
Memory capacity (additional information)	SD card from 1 GB to 16 GB possible
Storage interval from	1 s
Storage interval to	9 min.
Interface	RS232
Number of calibration points	3
Calibration	at pH4, pH7, pH10 using calibration solutions
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