CONDUCTIVITY METER

PCE-PHD 1-PH-ICA



- **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**
- **BNC connector**
- **incl. ISO-Calibration Certificate**

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	±0.02pH +2 digits
Electrode	
Designation	PE-03
Measuring range	1 ... 13 pH
Shank material	Epoxidharz
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 NEW	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 Typ	LCD
Display size	2,54 Inch
Storage medium	SD card
Storage capacity	16 GB
Memory capacity Additional information	Possible from 1 GB to 16 GB SD card
Storage interval from	1 s
Storage interval until	9 min.
Interface	RS232
Number of calibration points	3
Calibration	at pH4, pH7, pH10 using calibration solutions
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

PCE Americas Inc. dba PCE Instruments
1201 Jupiter Park Drive, Suite 8
Jupiter, FL 33458
USA

Phone: +1-561-320-9162
info@pce-americas.com