

# Multifunction Conductivity Meter PCE-PHD-1-KIT1



**pH, conductivity, salt, oxygen and temperature measuring device/  
SD card memory (1 ... 16 GB), data is stored as an Excel file /  
large, easy-to-read display / RS-232 interface and  
optional software for direct transfer to the PC**

The conductivity meter PCE-PHD-1-KIT1 is a true all-rounder for checking water quality. The portable conductivity meter is used to control the water parameters pH, redox, conductivity, salinity, oxygen and is also very suitable for temperature measurement.

A 2-point calibration and an automatic temperature compensation guarantees high accuracy even with highly fluctuating measuring temperatures. The data logging meter is supplied with pH and conductivity probe. Different probes are available as accessories. All values can be stored directly on the SD card (1 ... 16 GB) as an Excel file or transferred via the RS-232 interface directly from the device to a PC. For this we optionally offer software and the suitable RS-232 interface cable as an accessory.

- ▶ optimal price/performance ratio
- ▶ real-time datalogger
- ▶ SD memory card (1 ... 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
- ▶ measures pH, redox (optional), conductivity, salinity, oxygen, and temperature
- ▶ high precision
- ▶ low-battery display
- ▶ large LCD display
- ▶ adjustable measuring rate
- ▶ easy to use
- ▶ robust housing
- ▶ incl. pH and conductivity electrode
- ▶ automatic calibration
- ▶ manual or autom. temperature compensation
- ▶ BNC connector
- ▶ suitable for laboratory and on-site measurement
- ▶ REDOX Elektrode (optional)

Subject to change

# Specifications

<b>pH Measurement</b>	automatic 10 ... 40 °C / 50 ... 104 °F
Measurement range	0.00 ... 14.00 pH
Resolution	0.01 pH
Accuracy	± 0.02 pH +2 digits
Calibration	2-point calibration (pH4, pH7)
Temperature compensation	Automatic with additional temperature sensor (0 ... 60 °C/ 32 ... 140 °F) or manual (0 ... 100 °C / 32 ... 212 °F)

## Redox Measurement

Measurement range	1999 ... 0 ... 1999 mV
Resolution	1 mV
Accuracy	± 0.5 % + 2 digits

## Conductivity Measurement

Measurement range	0 ... 200 µS/cm 0.2 ... 2.0 mS/cm 2 ... 20.0 mS/cm 20 ... 200 mS/cm
Resolution	0.1 µS/cm 0.001 mS/cm 0.01 mS/cm 0.1 mS/cm
Accuracy	± 2 % of the measurement range + 1 digit
Calibration	at 1413 µS/cm
Temperature compensation	Automatic (0 ... 60 °C / 32 ... 140 °F)

## Total dissolved solids (TDS) Measurement

Measurement range	0 ... 132 ppm 132 ... 1320 ppm 1320 ... 13200 ppm 13200 ... 132000 ppm
Resolution	0.1 ppm 1 ppm 10 ppm 100 ppm
Accuracy	± 2 % of the measurement range + 1 digit
Temperature compensation	Automatic (0 ... 60 °C / 32 ... 140 °F)

## Salt Content Measurement

Measurement range	0 ... 20 mg/l (in water) 0 ... 100 % (in air) 0 ... 50 °C / 32 ... 122 °F
Resolution	0.1 mg/l 0.1 % 0.1 °C

# More information

Manual



More product info



Similar products



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Accuracy	± 0.4 mg/l ± 0.7 % ± 0.8 °C
Calibration	In the air
Temperature compensation	Automatic (0 ... 50 °C / 32 ... 122 °F)
Electrode usable in the pH range	pH 4 ... pH 10

### Temperature Measurement

Measurement range	0 ... 60 °C / 32 ... 140 °F
Resolution	0.1 °C
Accuracy	± 0.8 °C

### General Specifications

Measurement rate	adjustable from 1second to 8 hours 59 minutes 59 seconds
Display	LC-Display 52 x 38 mm / 2 x 1.5"
Memory	flexible via SD cardmemory 1 ... 16 GB
Interface	RS-232
Software	available asaccessory (optional)
Power supply	6 x 1.5 V AA batteries / 9 V-power adapter (optional)
Operating conditions	0 ... +50 °C / < 85 % r.H.
Dimensions	177 x 68 x 45 mm / 7.0 in x 2.7 in x 1.8 in
Weight	490 g / 1.1 lbs

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