



## PCE Instruments



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.





## PCE Instruments

### Specifications

<b>PH measurement</b> Measurement ranges Resolution Accuracy Calibration Temperature compensation	0.00 ... 14.00 pH 0.01 pH $\pm 0.02$ pH + 2 digits 3 points (pH 4, pH 7 y pH 10) automatic with additional temperature sensor (0 ... 60°C) or manual (0 ... 100 °C)
<b>Conductivity</b> Measurement ranges  Resolution  Accuracy Calibration Temperature compensation	0 ... 200.0 $\mu$ S/cm 0.2 ... 2.000 mS/cm 2 ... 20.00 mS/cm 20 ... 200 mS/cm  0.01 $\mu$ S/cm 0.001 mS/cm 0.01 mS/cm 0.1 mS/cm  $\pm 2$ % of the measurement range + 1 digit 1413 mS/cm automatic (0 ... 60 °C)
<b>Total dissolved solids (TDS)</b> Measurement range  Resolution  Accuracy Temperature compensation	0 ... 132 ppm 132 ... 1,320 ppm 1,320 ... 13,200 ppm 13,200 ... 132,000 ppm  0.1 ppm 1 ppm 10 ppm 100 ppm  $\pm 2$ % of the measurement range + 1 digit automatic (0 ... 60 °C)
<b>Salt content</b> Measurement range Resolution Accuracy Temperature compensation	0 ... 12 % (of weight) 0.01 % $\pm 0.5$ % of the measurement range automatic (0 ... 60 °C)
<b>Oxygen</b> Measurement range  Resolution  Accuracy  Calibration	0 ... 20 mg/l (in water) 0 ... 100 % (in air) 0 ... 50 °C  0.1 mg/l 0.1 % 0.1 °C  $\pm 0.4$ mg/l $\pm 0.7$ % $\pm 0.8$ °C  in the air