

# Environmental Meter PCE-BPH 10



**Environmental meter with automatic temperature compensation / Data storage for 300 measured values / USB interfaces for mass data storage and PC connection / Large touchscreen / Exchangeable probes / Stand for positioning the probes / Measuring range up to +19.999 pH**

With the table-top environmental meter it is possible to carry out quick and precise analysis of the pH concentration of liquid samples. For example, with the pH meter it is possible to check alkaline solutions, water, wine, milk and many other liquids for the pH content. The table pH meter has a measuring range of -2 ... +19.999 pH. With the temperature probe of the pH meter it is also possible to determine the temperature of the sample. This is particularly important as the pH measurement is highly temperature dependent. This means that both manual and automatic temperature compensation is possible with the pH meter.

The pH meter has a large 7" touchscreen and an easy-to-use user interface. With the supplied electrode stand, the pH electrode and the temperature sensor on the table pH meter can be positioned appropriately in the samples. This has the particular advantage that the user can now fully concentrate on analyzing the measured values and operating the pH meter. This also prevents errors.

Another special feature of the table-top pH meter is the multi-point calibration. This allows the pH meter to be calibrated to several reference points. This ensures that the measurement result is as accurate as possible. This is why the pH meter is also used in the analysis of samples in laboratories. The pH meter is also used in universities, vocational schools and other educational institutions. The multi-point calibration itself can be carried out with the optionally available pH buffer solutions.

The tabletop pH meter has a USB-A interface as a data interface. The measurement data stored on the pH meter can be transferred to any mass data storage device. The data from the pH meter are saved in XML data format. In addition to the USB-A interface for connecting mass data storage devices, there is also the USB-B connection for connecting the pH meter directly to a PC. The memory can now be read from the pH meter using the software. A live view via the software of the pH meter is also possible. A Bluetooth interface is also built into the pH meter. This allows the optional printer to be wirelessly connected to the pH meter.

- ▶ Measuring range between -2 ... +19.999 pH
- ▶ USB and Bluetooth interface
- ▶ Live viewing software
- ▶ Memory for 300 measured values
- ▶ 3 point calibration
- ▶ Automatic temperature compensation

Subject to change

# Specifications

<b>Measuring range pH</b>	<b>-2.000 ... +19.999 pH</b>
Resolution	0.1 / 0.01 pH
Accuracy	Electrode: $\pm 0.02$ pH
Input current	$\leq 1 \times 10^{-12}$ A
Input resistance	$\geq 3 \times 10^{12}$ $\Omega$
Measurement stability	$\pm 0.01$ pH/3h
Temperature compensation	0 ... 100 °C / 32 ... 212 °F (automatic / manual)

<b>Measuring range mV</b>	<b>-1999.9 ... +1999.9 mV</b>
Resolution	1 mV
Accuracy	$\pm 0.03$ % of measuring range

<b>Measuring range temperature</b>	<b>-10 ... +110 °C / 14 ... 230 °F</b>
Resolution	0.1 °C
Accuracy	5 ... 60 °C (41 ... 140 °F): $\pm 0.4$ °C Rest: $\pm 0.8$ °C

Data memory	300 pH measuring points
Content of a memory point	date and time, measured value with unit and temperature
Display	7" touchscreen
Resolution	1024 x 600 pixels
Interfaces	USB A, USB B, Bluetooth
Protection class	IP32
Power supply	Primary: 230 ... 240 V / 50 Hz Secondary: 12 V DC / 1 A
Operating conditions	5 ... 35 °C / 41 ... 95 °F, < 85 % r.h. not condensing
Dimensions	175 x 220 x 40 mm / 68.9 x 86.6 x 15.7"
Weight	ca. 310 g / 10.9 lb

# More information

More product info



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