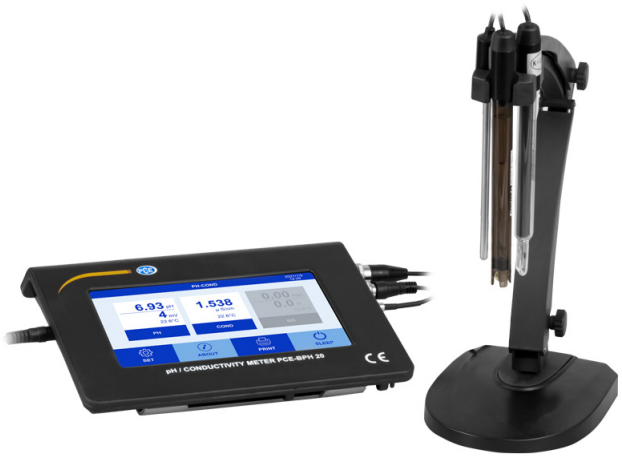
# Environmental Meter PCE-BPH 20



**Tabletop environmental meter with bluetooth interface / Data storage / Touchscreen / Measurement data can be exported to USB stick / pH, ORP, conductivity / Analysis software / With automatic and manual temperature compensation**

The table-top environmental meter can be used to quickly and precisely analyze liquid samples. This includes the measurement of pH, temperature, redox, conductivity, TDS, salinity and resistance. Thus, for example, water, alkalis, milk, wine and many other liquids can be checked for their quality with the table pH meter. The temperature probe is used for automatic temperature compensation when measuring a sample with the table pH meter. However, manual input of the temperature for temperature compensation is also possible with the table pH meter.
In addition to pH and temperature measurement, the table environmental meter also has a conductivity measurement function. With the help of this function, in addition to the conductivity, the salt content of a liquid can also be determined. Because of the additional probe, the pH value as well as the conductivity can be determined and evaluated simultaneously.
Another special feature of the table-top environmental meter is the multi-point calibration. This makes it possible to calibrate the table pH meter's probes to several measuring points. This ensures that the measurement result is as precise as possible. Because of its high accuracy, the table-top pH meter is used, for example, for the analysis of samples in a laboratory. The table pH meter is also used in general educational institutions such as universities or vocational schools.
The tabletop environmental meter is a measuring device with a large touchscreen and an easy-to-use user interface. With the electrode stand supplied with the pH meter table, all of the electrodes that can be connected can be positioned appropriately in the sample. This has the particular advantage that the operator can fully concentrate on the analysis of the measured values and on the operation of the table pH meter, which prevents errors.
The table environmental meter has several data interfaces. With the USB-A data interface, the measurement data stored by the table pH meter can be exported directly to any mass data storage device. The data is stored directly from the table pH meter in XML data format on the mass data storage device. The table pH meter can be connected directly to a PC via the USB-B data interface. The software supplied with the table pH meter enables a live view for further analysis of the measurement data. An optional printer can be connected via the Bluetooth interface on the table pH meter. It is therefore also possible to print out the current measured value directly from the table pH meter.

- Large 7" touchscreen
- Bluetooth and USB interfaces
- Exchangeable probes
- pH, redox, conductivity
- Direct connection to a PC
- 3-point calibration

Subject to change

# Specifications

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|---|---|
| **Measuring range pH** | -2.000 ... 19.999 pH |
| Resolution | 0.1 / 0.01 pH |
| Accuracy | electrode: ±0.02 pH |
| Input current | ≤1×10^-12 A |
| Input resistance | ≥3×10^12 Ω |
| Measurement stability | ±0.01 pH/3h |
| Temperature compensation | 0 ... 100 °C / 32 ... 212 °F (automatic / manual) |
| **Measuring range mV** | -1999.9 ... 1999.9 mV |
| Resolution | 1 mV |
| Accuracy | ±0.03 % of measuring range |
| **Measuring range temperature** | -10 ... 110 °C / 14 ... 230 °F |
| Resolution | 0.1 °C |
| Accuracy | 5 ... 60 °C (41 ... 140 °F): ±0.4°C<br>rest: ±0.8 °C |
| **Measuring range conductivity** | 0 ... 19.99 µS/cm<br>20.0 ... 199.9 µS/cm<br>200 ... 1999 µS/cm<br>2.00 ... 19.99 mS/cm<br>20.0 ... 1999.9 mS/cm |
| Resolution | 0.01 / 0.1/ 1 µS/cm, 0.01 / 0.1 mS/cm |
| Accuracy | measuring device: ±0.5 % of measuring range<br>in combination with measuring electrode: ±1.0 % of measuring range |
| Temperature compensation | 0 ... 100 °C / 32 ... 212 °F (automatic / manual) |
| Adjustable electrode constant | 0.1 / 1 / 10 cm^-1 |
| Adjustable reference temperature | 25 °C / 77 °F, 20 °C / 68 °F, 18 °C / 64 °F |
| **Measuring range TDS** | 0 ... 100 g/l |
| Resolution | 0.001 mg/l |
| Accuracy | measuring device: ±0.5 % of measuring range<br>in combination with measuring electrode: ±1.0 % of measuring range |
| Temperature compensation | 0 ... 100 °C / 32 ... 212 °F (automatic / manual) |
| Adjustable electrode constant | 0.1 / 1 / 10 cm^-1 |
| Adjustable reference temperature | 25 °C / 77 °F, 20 °C / 68 °F, 18 °C / 64 °F |

# More information

**More product info**

**Similar products**

Subject to change

| | |
|---|---|
| **Measuring range salinity** | 0 ... 100 ppt |
| Resolution | 0.1 ppt |
| Accuracy | measuring device: ±0.5 % of measuring range<br>in combination with measuring electrode: ±1.0 % of measuring range |
| Temperature compensation | 0 ... 100 °C / 32 ... 212 °F (automatic / manual) |
| Adjustable electrode constant | 0.1 / 1 / 10 cm^-1 |
| Adjustable reference temperature | 25 °C / 77 °F, 20 °C / 68 °F, 18 °C / 64 °F |

| | |
|---|---|
| **Measuring range resistance** | 0 ... 100 MΩ cm |
| Resolution | 0.001 / 0.01 / 0.1 / 1M Ω·cm |
| Accuracy | measuring device: ±0.5 % of measuring range<br>in combination with measuring electrode: ±1.0 % of measuring range |
| Temperature compensation | 0 ... 100 °C / 32 ... 212 °F (automatic / manual) |
| Adjustable electrode constant | 0.1 / 1 / 10 cm^-1 |
| Adjustable reference temperature | 25 °C / 77 °F, 20 °C / 68 °F, 18 °C / 64 °F |

| | |
|---|---|
| Data memory | 300 pH measuring points<br>300 conductivity 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<br>USB B<br>Bluetooth |
| Power supply | Primary: 230 ... 240 V / 50 Hz<br>Secondary: 12 V DC / 1 A |
| Operating conditions | 5 ... 35 °C / 41 ... 95 °F, < 85 % RH not condensing |
| IP protection class | IP 54 |
| Dimensions | 175 × 220 × 40 mm / 68.9 x 86.6 x 15.7" |
| Weight | ca. 310 g / 10.9 lb |