

WATERPROOF pH-METER CP-451

- Used for pH, mV (redox potential) and temperature measurements.
- Colour, graphic touchscreen - enables simultaneous readout of the pH or mV and temperature value.
- Easy-in-use.
- Waterproof housing (IP-66) enables work in difficult conditions.
- Small size and low weight make working in the field easier.
- Long lasting work in laboratory possible with use of the power adapter.
- Calibration of the pH electrode in 1 to 3 points (pH: 4.00, 7.00, 9.00).
- Automatic buffer detection.
- Automatic temperature compensation.
- Calibration time reminding.
- Readout of the electrode's slope and offset.
- Memory of 200 results.
- Available 7 different languages: english, german, french, spanish, portuguese, italian, polish
- Powered by rechargeable batteries or power adapter.
- 24 months of warranty for the meter.
- The standard set includes the meter, the pH electrode, power adapter and a protective case .



The standard set includes **CT2B-121** temperature sensor with **Pt-1000B** resistor, **EPS-1** pH electrode for measurements in clear water, which should not be used in other types of liquid.

Measurements in liquid with sediment should be made with use of **IJ44A** pH electrode, which enables measurements in various samples of both pure and contaminated liquids and semi-solids. Its unusual construction ("intermediate junction") protects the real junction (diaphragm) of the electrode against clogging, ensures stable measurements in these types of liquids or semi-liquid mass, in which other electrodes stop working quickly. When properly handled, the electrode's lifetime is longer than the standard electrodes.



TECHNICAL DATA

| Function | pH | REDOX / mV | Temperature |
|--------------------------|--|--------------------|----------------|
| Range | 0.00 ÷ 14.00 pH | ± 2000 mV | -50.0 ÷ 200 °C |
| Resolution | 0.01pH | 1 mV | 0.1 °C |
| Accuracy (± 1 digit) | ±0.01pH* | ±1 mV* | ±0.1 °C** |
| Temp. compensation range | -5 ÷ 110.0 °C | - | - |
| Input impedance | 10 ¹² Ω | 10 ¹² Ω | - |
| Power | 2 x AA 1.2 V rechargeable battery, 5 V / 1000 mA power adapter | | |
| Weight | 240 g | | |
| Dimensions (mm) | L=149, W=82, H=22 | | |

*The accuracy of the meter only.

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In the range 0 ÷ 100 °C the acceptable error of the probe with Pt-1000B resistor: ±0.8 °C, with Pt-1000A resistor ±0.35 °C