

## WATERPROOF pH-METER CP-411

Used for pH, mV (redox potential) and temperature measurements.

### Characteristic features:

- Large easy to read LCD display enables simultaneous readout of the measuring function and temperature value.
- Waterproof housing (IP-66) enables work in difficult conditions.
- Small size and low weight make working in the field easier.
- Two kinds of power source, battery or optional power adapter, enable working in the field or long lasting work in laboratory.
- Calibration of the pH electrode in 1 to 3 points.
- Automatic buffer detection 4.00; 7.00; 9.00 pH. (Optionally 4.00; 7.00; 10.00 pH).
- Automatic temperature compensation.
- Depending on the kind of connected pH electrode may be used for measurements of clean water, waste water, meat, cheese, pastes, soil etc.
- Readout of the electrode's slope and offset.
- Possibility of automatic calculation of the redox reading in relation to the chloride/silver electrode to the hydrogen electrode.
- Wide temperature measurement range.
- Easy-in-use.
- Memory of 50 results.
- Equipped with separate stainless steel temperature sensor (Pt-1000B).
- Powered by battery (9V) or power adapter (12 V / 100 mA – option).
- Long-lasting work on 1 battery.
- Automatic switch off function to save the battery.
- 24 months of warranty for the meter.

NEW



The standard set includes **CT2B-121** temperature sensor with **Pt-1000B** resistor and **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 (diaphragma) 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.



*IJ44A electrode for measurements in liquid with sediments, sewage, paste and soil*

## TECHNICAL DATA

Function	pH	REDOX / mV	Temperature
Range	0.00 ÷ 14.00 pH	± 1999 mV	-50.0 ÷ 199.9 °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 <sup>12</sup> Ω	10 <sup>12</sup> Ω	-
Power	9V battery, 12 V / 100 mA power adapter (option)		
Weight	210 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.

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