

LABORATORY pH METER CP-511

Easy in use laboratory meter used for pH, mV (redox potential) and temperature measurements.

Characteristic features:

- Large easy to read LCD display.
- Simultaneous readout of the measuring function and temperature value.
- Calibration of the pH electrode: 1 ÷ 3 points (4.00, 7.00, 9.00 or 4.00, 7.00, 10.00).
- Automatic buffer detection.
- Automatic temperature compensation.
- Depending on the kind of applied pH electrode may be used for measurements of clean water, waste water, meat, cheese, pastes, soil etc.
- Possibility to check the electrode condition (buffer and slope).
- Memory of 50 results.
- Wide temperature measurement range.
- IP64 ingress protection.
- 24 months of warranty for the meter.



The standard set includes **CT2B-121** temperature probe 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. 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	°C
Range	-2.00 pH ÷ 16.00 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	-5 ÷ 110.0 °C	-	-
Input impedance	>10 ¹² W	>10 ¹² W	-
Power supply	12 V 100mA power adapter		
Weight	560g		
Dimensions (mm)	L = 200; W = 180; H = 20/50		

*The accuracy of the meter only.

**The accuracy of the meter only. The total error includes the meters and probe's accuracy.

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.

ELMETRON® Sp. j.

41-814 Zabrze . Witosa 10 POLAND

tel. +48 32 2738106

www.elmetron.pl e-mail: info@elmetron.com.pl