WATERPROOF pH / ORP meter CPR-411

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

Characteristic features:

- Depending on the chosen electrode it may be used for measurements in clear or contaminated water in the field or in laboratory.
- The meter may be used for measurements in swimming pools.
- The model is equipped with BNC-50 connector for pH and redox electrodes and RCA (Chinch) connector for the temperature probe.
- The pH and redox combination electrodes are isolated from each-other.

- Small size and low weight make working in the field easier.
- Large easy to read display enables simultaneous readout of one measuring function and temperature value or two measuring functions (pH and redox).
- Calibration of the pH electrode in 1, 2 or 3 points (pH: 4.00, 7.00, 9.00, or 4.00, 7.00, 10.00).
- Automatic buffer detection.
- Automatic temperature compensation.
- Readout of the electrode's slope and offset.

- Memory for 50 results.
- Possibility of automatic calculation of the redox potential result, received with the chloride/silver electrode, to the hydrogen electrode.

- Waterproof housing (IP-66) enables work in difficult conditions.
- Battery powered, for work in laboratory a power adapter may be used (optional equipment).
- Automatic switch-off function to save the battery.
- 24-month warranty for the meter,12-month warranty for the electrode.
- Affordable price.

The offered electrode: **ERS-2** redox electrode for measurements in swimming pools

The standard set includes **CT2B-121** temperature sensor with **Pt-1000B** resistor, **ERS-2** redox electrode and **EPP-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 and maintained the electrode may be efficient for several years.

TECHNICAL DATA

Function	pH	Redox / mV	Temperature
Range	0.00 ÷ 14.00 pH	± 1999 mV	-50.0 ÷ 199.9 ºC
Resolution	0.01pH	1 mV	0.1 ºC
Accuracy (± 1 digit)	±0.01pH*	±1 mV*	±0.1 ºC**
Input impedance	$>10^{12}\Omega$	$>10^{12}\Omega$	-
Temp. compensation	-5 ÷ 110 ºC	-	-
Power supply	9 V 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.
**The accuracy of the meter only. The total error includes the meters and probe’s accuracy. In the range 0 ÷100 ºC the acceptable error of the probe with Pt-1000B resistor: ±0.8 °C, with Pt-1000A resistor: ±0.35 °C.

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