

## WATERPROOF pH / CONDUCTIVITY / SALINITY METER CPC-411

- Measures: pH, mV (redox potential), conductivity, salinity and temperature.
- Large easy to read LCD display enables simultaneous readout of the measured function and temperature value.
- Used for work in the field and in the laboratory.
- Small size and low weight make working in the field easier.
- Waterproof housing (IP-66) facilitates work in difficult conditions.
- Very easy in use.

### In the pH measurement mode:

- Calibration in 1÷ 3 points in buffer solutions.
- Automatic detection of the pH buffer solution's value 4.00, 7.00, 9.00 pH (optionally: 4.00; 7.00; 10.00 pH).
- Automatic temperature compensation.
- Depending on the chosen electrode, makes measurement in clean water, sewage, pastes, etc.

### In the conductivity measurement mode:

- Enables measurements of clean water and samples with conductivity up to 100 mS/cm.
- 5 sub-ranges switched automatically (autorange).
- Salinity measurement converted into NaCl up to 60 g/l.
- Counting conductivity into salinity in NaCl according to the actual dependency, what greatly increases accuracy.
- Automatic temperature compensation.
- Temperature compensation coefficient  $\alpha = 2\%/^{\circ}\text{C}$  (constant).
- Reference temperature 25°C or 20°C for measurements made in honey.
- Cooperates with conductivity cells equipped with platinum electrodes.
- Possibility to measure electric admittance of tree seedlings – checking the vitality of seedlings with a special sensor.

### In the mV measurement mode:

- May be used for redox potential measurements.

### Other features:

- Stainless steel temperature probe with Pt-1000B sensor.
- Powered by 9V battery or 12V power adapter.
- Automatic switch off function preserves battery life.
- Warranty - 24 months.



Function	pH	mV	Conductivity	Temperature
Range	0.00 ÷ 14.00 pH	0 ÷ 1999 mV	0 ÷ 100 mS/cm	-50.0 ÷ 199.9 °C
Resolution	0.01pH	1 mV		0.1 °C
Accuracy (± 1 digit)	±0.01pH	±1 mV	±0.25%	±0.1 °C*
Temp. compensation range	-5 ÷ 110.0 °C	-	-5 ÷ 70.0 °C	
Input impedance	10 <sup>12</sup> Ω	10 <sup>12</sup> Ω	-	-
Power supply	9V battery, 12 V power adapter			
Dimensions (mm) / Weight	L=149, W=82, H=22 / 220 g			

\* The meter's accuracy. The total error of the temperature measurement depends also on the probe's error.

**ELMETRON<sup>®</sup>** Sp. j.

41-814 Zabrze ul. Witosa 10 POLAND

tel. +48 32 2738106 fax +48 32 2738114

[www.elmetron.com.pl](http://www.elmetron.com.pl) e-mail: [info@elmetron.com.pl](mailto:info@elmetron.com.pl)