LABORATORY CONDUCTIVITY / SALINITY METER CC-511

CC-511 is a simple laboratory measuring device for measurements of conductivity, salinity, TDS and temperature.

Characteristic features:

- Large, easy to read display enables simultaneous readout of the measured function and temperature .
- Measures conductivity in distilled water and other liquids up to 1000 mS/cm.
- 5 sub ranges switched automatically (auto-range).
- Salinity measurement converted to NaCl or KCl.
- Converts conductivity into salinity according to real characteristic and not a constant coefficient.
- Determines estimated value of the total dissolved solids (TDS).
- Calibration by entering the constant K of cell in range 0.010 ÷ 19.999 cm^{-1} or with use of a standard solution.
- Automatic temperature compensation.
- Constant α coefficient (temperature coefficient) 2 %/ºC.
- Possibility of entering the reference temperature value.
- Memory of 50 results.
- IP64 ingress protection.
- Warranty for the meter: 24 months.

The set includes **CT2B-121** temperature probe with **Pt-1000B** resistor and accurate **ECF-1** conductivity cell. Measuring range: 0 ÷ 400 mS/cm is sufficient for conductivity measurements in majority of liquids of maximal concentration, e.g. aqueous soil extracts and water with grease or oil. Metal electrodes are easy to clean. Plastic housing protects from mechanical damage.

TECHNICAL DATA

Function	**Conductivity**	**Salinity**	**Temperature**
Range	0 ÷ 1000 mS/cm, auto-range – 5 subranges	NaCl 0 ÷ 250 g/l KCl 0 ÷ 200 g/l	-50.0 ÷ 199.9 ºC
Accuracy (± 1 digit)	±0.25 %*	±2%*	±0.1 ºC**
Temperature compensation	-5 ÷ 70 ºC	-5 ÷ 70 ºC	-
α coefficient	constant 2 %/ºC	constant 2 %/ºC	-
K constant	0.010 ÷ 1.999 cm^{-1}	-	-
Temperature sensor	Pt-1000B		
Power	12 V / 100 mA power adapter		
Dimensions (mm)	L = 200; W = 180; H = 20/50		
Weight	620g		

*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 ^{0}C, with Pt-1000A resistor: ±0.35 ^{0}C.

ELMETRON ® **Sp. j.**
41-814 Zabrze . Witosa 10 POLAND
tel. +48 32 2738106
www.elmetron.pl e-mail: info@elmetron.com.pl