WATERPROOF CONDUCTIVITY / SALINITY / TDS METER CC-451

- **CC-451** measures conductivity, salinity, TDS and temperature. May be used in the field and laboratory.
- Colour, graphic touchscreen enables simultaneous readout of the conductivity / salinity / TDS and temperature value.
- Easy-in-use.
- Waterproof housing (IP-66) enables work in difficult conditions.
- Small size and low weight make working in the field easier.
- Measures conductivity in liquids up to 1000 mS/cm.
- 6 sub ranges switched automatically (auto-range).
- Measures salinity with conversion to NaCl and KCl.
- Converts conductivity into salinity according to real characteristics and not a constant coefficient.
- Determines estimated value of the total dissolved solids (TDS), variable coefficient introduced by user in range 0.20 ÷ 1.00.
- 1-point calibration by entering the constant K of the cell or by determining it with use of a standard solution.
- Automatic temperature compensation.
- Constant α coefficient (the temperature compensation coefficient) – 2 %/ºC.
- The reference temperature may be chosen between 25ºC or 20ºC.
- Memory of 200 results with time and date.
- Available 7 different languages: English, German, French, Spanish, Portuguese, Italian, Polish
- Calibration time reminding.

- **CC-451** in standard set is supplied with a **ECF-1** conductivity cell and a temperature sensor with a **Pt-1000B** resistor. The conductivity cell is designed for measurements both in clean water and liquids with deposits or fats. Its measuring range is up to 400 mS/cm. Plastic housing protects the cell from mechanical damage. It is possible to unscrew the measuring cell cover, what enables its easy cleaning. Metal electrodes may be cleaned with use of a brush in case of measurements in liquids with deposits.
- Powered by rechargeable batteries or power adapter.
- 24 months of warranty for the meter.
- The standard set includes the meter, conductivity cell, temperature sensor and a protective case.

TECHNICAL DATA

Function	Conductivity	Salinity	Temperature
Range	0 ÷ 1000.0 mS/cm, auto-range - 6 subranges	NaCl 0 ÷ 296 g/l KCl 0 ÷ 239 g/l	-50.0 ÷ 200 ºC***
Accuracy (± 1 digit)	±0.25 %* up to 19.99 mS/cm ±0.5%*above 20 mS/cm	±2.00%*	±0.1 ºC**
Temperature compensation	-5 ÷ 70 ºC		-
α coefficient	constant 2 %/ºC		-
K constant	0.010 ÷ 20.000 cm⁻		-
Power supply	2 x AA 1.2 V rechargeable battery, 5 V / 1000 mA power adapter		
Dimensions (mm)	L = 149; W = 82; H = 22		
Weight	245 g		

*The accuracy of the meter only.
**The accuracy of the meter only. The total error includes the meter's and probe's accuracy.
In the range 0 ÷100 ºC the acceptable error of the probe with Pt-1000B resistor: ±0,8 ºC., with Pt-1000A resistor ±0,35ºC