

## LABORATORY pH / CONDUCTIVITY / SALINITY METER CPC-511

- Accurate laboratory meter.
- 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.
- Very easy in use.

### In the pH measuring function

- 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).
- Meter shows information about the pH electrode condition (readout of the buffer and slope values)
- Automatic temperature compensation.
- Depending on the chosen electrode, makes measurement in clean water, sewage, pastes, etc.

### In the conductivity measuring function

- Measures conductivity in distilled water and other liquids up to 1000 mS/cm.
- 5 sub ranges switched automatically (autorange).
- Salinity measurement converted to NaCl up to 250 g/l or KCl up to 200 g/l.
- Converts conductivity into salinity according to real curve and not a constant coefficient.
- Determines estimated value of the total dissolved solids (TDS).
- Calibration, by entering the constant K of cell in range  $0.010 \div 19.999 \text{ cm}^{-1}$  or determining it with use of a standard solution.
- Possibility of entering the reference temperature value.
- Automatic temperature compensation.
- Constant  $\alpha$  temperature coefficient – 2 %/°C.
- Warranty for the meter: 24 months.
- Possibility of using following conductivity cells:  
**ECF-1 - PVC with metal electrodes, range:  $0 \mu\text{S/cm} \div 500 \text{ mS/cm}$ . ( $k=0,45 \text{ cm}^{-1}$ ) – standard in set**  
**CD-210 - glass with platinum electrodes, range:  $1 \text{ mS/cm} \div 800 \text{ mS/cm}$ . ( $k=10 \text{ cm}^{-1}$ ).**



### TECHNICAL DATA

Function	pH	mV	Conductivity	Temperature
Range	-2,00 ÷ 16.00 pH	± 1999 mV	0 ÷ 1000 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. Compens. range	-5 ÷ 110.0 °C	-	-5 ÷ 70.0 °C	
Input impedance	$10^{12}\Omega$	$10^{12}\Omega$	-	-
Power	Power adapter 12 V			
Dimensions (mm) / Weight	L = 200; W = 180; H = 20/50 / 600g			

\* Accuracy of the meter. To determine the measurement accuracy, the meter's and probe's error need to be considered.

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