

pH / CONDUCTIVITY / SALINITY METER CPC-505

- Laboratory meter in benchtop housing, powered by 12V power adapter.
- Meter is equipped with large easy-to-read backlight LCD display with brightness control.
- Measures pH and mV (redox), conductivity, salinity, temperature.
- The pH measurement circuit is isolated from the conductivity measurement circuit.
- Unification of the operating in all measuring functions makes working trouble free.

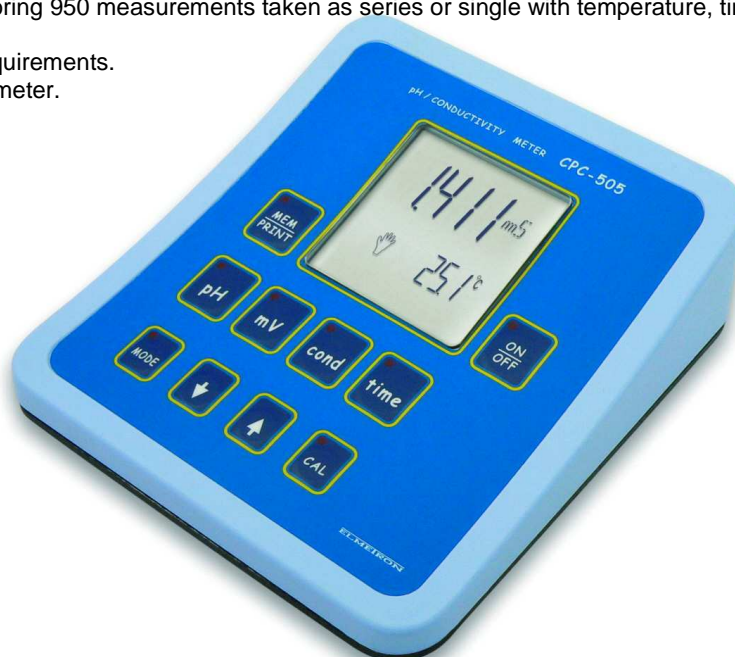
Characteristics of the pH measurement:

- Calibration: 1÷5 points.
- Memory of 3 electrodes characteristics makes changing them easy.
- Automatic buffers detection, their value may be changed by the user.
- Automatic correction of the temperature influence on sample solution (NIST) value.
- Automatic checking of the condition of electrode's membrane.
- Automatic or manual temperature compensation.
- Precise ORP (redox) measurement (accuracy 0.1 mV).

Characteristics of the conductivity measurement:

- Thanks to a wide conductivity measuring range they may be used for both ultra pure water and very salty samples measurements.
- 6 subranges switched automatically.
- Calibration by entering the constant K in range 0.01÷19.999 or in sample solutions.
- Works with conductivity cells equipped with platinum electrodes.
- Storing of 3 constant K of cells which cover the whole measuring range.
- Wide range of α coefficient (0÷10% / °C).
- Possibility of changing the reference temperature.
- Counting the salinity according to real characteristics for NaCl and KCl, what greatly increases the accuracy.
- Possibility of defining the TDS with use of conductivity measurement by entering the TDS coefficient in range 0.2÷1.0.

- Internal clock with date.
- Internal datalogger enables storing 950 measurements taken as series or single with temperature, time and date.
- USB output.
- The meters meets the GLP requirements.
- 24 months of warranty for the meter.



Function	pH, mV (CPC)	Conductivity	°C
Range	-2.000 ÷ 16.000 pH, ±1000.0 mV**	0 ÷ 1999.9 mS/cm, autorange	-50.0 ÷ 199.9
Accuracy (±1 digit)	±0.002 pH; ±0.1 mV	0.1%; > 20 mS/cm 0.25%	± 0.1 °C*
Temp. compens.	-5 ÷ 110.0 °C	-5 ÷ 70 °C	-
Constant K range	-	0.01 ÷ 19.999 cm ⁻¹	-
α coefficient		0 ÷ 10% / °C	
Input impedance	10 ¹² Ω	-	-
Dimensions (mm)	L = 200; W = 180; H = 20/50		
Weight	CC-505= 620 g		

* The total error of the temperature measurement depends on the kind of used probe

** Possibility of widening the range to 2000mV with small lowering of the accuracy to 0.2 mV

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