

LABORATORY pH / ION METER CPI-502

- Measures accurately: pH, redox potential, ion concentration in pX, g/l, M/l, or ppm and temperature (°C).
- The meter is equipped with built-in thermal printer.
- Enables ion concentration measurements of monovalent, bivalent, negative and positive ions.
- The range of the meter enables work with all available ion selective electrodes (ISE), chosen adequately to the kind of measured ion, equipped with BNC 50 connector.
- Entering automatically the molar weight of a particular ion.
- Automatic unit conversion (e.g. mol/l to mg/l).
- Possibility of entering freely chosen values of ion standard solutions.
- Automatic and manual temperature compensation.
- The meter stores 3 characteristics of pH and ion selective electrodes independently.

pH measurement:

- Calibration of the pH electrode: 1 ÷ 5 points.
- Automatic pH buffer detection, their value may be set by the user.
- Automatic correction of the stored pH standard value influenced by the temperature change (compliant with NIST).
- Information about the pH electrode's condition.
- Depending on type of the chosen electrode making measurement in pure water, sewage, pastes, etc.
- Internal datalogger for up to 950 sets of results with temperature, time and date.
- Collecting series of readouts with intervals set by the user.
- RS-232 and Centronics output.
- Internal clock with date.
- The meter is equipped with smaller display than the CPI-505 model and does not have a backlight.



Function	pH	mV	Ion M/l	Ion g/l	Ion ppm	Ion pX	°C
Range	-2.000 ÷ 16.000	±1999.9 mV	0 ÷ 100	0 ÷ 1000	0 ÷ 1000 000	-2.00 ÷ 16.00	-50.0 ÷ 199.9
Resolution	0.001 or 0.01	0.1 mV	0.01 / 0.1%	0.01 / 0.1%	0.01 / 0.1%	0.001 / 0.01	0.1 °C
Accuracy (± 1 digit)	±0.002 pH	±0.1 mV	± 0.25%	± 0.25%	± 0.25%	± 0.002 pX	±0.1°C*
Input impedance	10 ¹² Ω						
Temp. compens. range	-5 ÷ 110.0 °C						
Dimensions (mm)	L=200, W=180, H=20/50						
Weight	720 g						
Printer	thermal, width: 60 mm						

* The final accuracy depends on the accuracy of the chosen probe.

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