

WATERPROOF pH-METER CP-401

- The actually offered meter was modified, what resulted in offering new functions which make the work much easier and fulfil more requirements of the customers.
- Used for accurate pH, temperature and redox potential (mV) measurements.
- Useful for measurements in the field and laboratory.
- Waterproof housing (IP-66) facilitates working in difficult conditions.
- Low weight and small size make working in the field easier.
- Meter is equipped with easy to read backlight LCD display with brightness control.
- "HOLD" function to freeze the result on the display.
- Signalisation of the result stabilisation "READY" with symbol and sound.
- Possibility of sending to a PC a report of calibration - up to 10 last calibrations.
- Possibility of making measurements in clean water, sewage, soil, meat, cheese, paints etc., depending on the kind of applied pH electrode.
- Calibration of the pH electrode : 1 ÷ 5 points.
- Automatic detection of buffer solutions, their values may be changed by the user in the given range.
- Automatic correction of the pH sample solution value changes, along with the temperature changes for NIST standards.
- Automatic or manual temperature compensation.
- Storage of 3 electrodes characteristics enables to replace them quickly – feature very useful during field work.

NEW
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- The date of calibration of each pH electrode stored by the meter, with possibility of signalisation of the moment when next calibration should be done.
- Automatic evaluation of the of electrode's condition.
- NEW** • Readout of the pH electrode condition and data - the zero shift and slope percentage may be checked.
- Precise Redox potential measurement (accuracy 0.1 mV).
- Clock with date.
- Reminding about the calibration date exceeding.
- Auto switch off function, with time set by user, to protect the batteries against discharging.
- Internal data-logger for up to 4000 sets of results collected in series or singly with temperature time and date.
- The results and calibration data are stored in non-volatile memory.
- NEW** • Possibility of connecting with a PC by a micro USB output and micro USB – USB cable delivered in set.
- The meter meets the GLP requirements
- 24 months of warranty for the meter.
- **CP-401** pH-meter received a Golden Medal on EUROLAB international fair.

TECHNICAL DATA

Function	pH	mV	°C
Range	-2.000 ÷ 16.000 pH	±1999.9 mV	-50.0 ÷ 199.9 °C
Resolution	0.001 pH or 0.01 pH	0.1mV	0.1 °C
Accuracy* (± 1 digit)	±0.002 pH*	±0.1 mV	±0.1 °C*
Input impedance	10 ¹² Ω		
Temp. compensation range	-5 ÷ 110.0 °C		
Power	rechargeable battery 2 x AA 1.2V, USB power adapter 5V/1000 mA		
Dimens. (mm) / Weight	L=149, W=82, H=22 / 220 g		

* Accuracy of the meter. The total error is dependent on the sum of probe's and meter's errors.