

pH meter CP-661

CP-661 is distinguished by a large 5" colour graphic touch screen.

The meter can be used for accurate measurements of pH, mV and temperature.

This pH meter enables simultaneous measurements displaying and storing of 2 functions (pH and temperature).



- Depending on the kind of applied electrode it may be used for clean water, sewage, soil, pastes, meat, cheese and other measurements.
- Calibration of the pH electrode in 1 ÷ 3 points with possibility of choosing the buffers value in a given range.
- Range of the entered calibration points:

1 point	0.000 ÷ 6.000 pH,
2 point	6.800 ÷ 7.100 pH,
3 point	8.000 ÷ 14.000 pH.
- Automatic detection of buffer solutions and standard solutions entered in the meters memory.
- Automatic correction of the pH standard solution value along with the temperature changes for NIST standards, what eliminates the necessity of the standard solution temperature adjustment.
- The NIST standard solutions entered in the meters memory are phthalate, phosphate and borax or bicarbonate (chosen when the meter is ordered). The solutions in 20°C have following values: 4.001 pH, 6.881 pH, 9.225 pH or 10.064 pH.
- Possibility of storing characteristics of 3 electrodes enables their quick replacement, useful when using different types of electrodes specific for different types of samples.
- Automatic control of the electrode's condition.
- Possibility of viewing the electrode's parameters (buffer and slope).
- Precise redox potential measurement (accuracy 0.1mV).
- The pH and conductivity measurement circuits are isolated, so there is no interference during simultaneous measurements

- Automatic or manual temperature compensation.

Other features:

- Internal clock with date.
- Collecting up to 500 data sets in the internal data-logger with temperature, time and date, single collecting and taking series of measurements of all measured functions.
- Non-volatile memory of the stored results and calibration data
- HOLD function to freeze the actual measurements results on the screen.
- Stabilised reading signalisation.
- Storing the calibration validity date and signalling it to the user.
- Possibility of choosing the language of the displayed information : English, German, French, Italian, Spanish, Portuguese.
- Possibility of connecting with a PC by a USB connector
- Software for data transmission and collection delivered in set.
- Up to 10 last Calibration Reports transfer to a PC for printout.
- Powered with 5V/1000mA USB power adapter.
- The meter meets the GLP requirements.
- 24 months of warranty for the meter.



TECHNICAL DATA

Function:	pH	Redox / mV	Temperature
Range	-6.000 ÷ 20.000 pH	±2000.0 mV	-50.0 ÷ 200.0°C
Resolution	0.001 pH or 0.01 pH	0.1 / 1 mV	0.1 °C
Accuracy (± 1 digit)	±0.005 pH*	±0.1 mV*	±0.1 °C**
Temperature compensation	-5 ÷ 110 °C	-	-
Input impedance	>10 ¹² Ω	>10 ¹² Ω	-
Power	Adapter 5 V / 1000 mA		
Size / weight	175 x 140 x 52 mm / 420 g		

* Accuracy of the meter.

** Accuracy of the meter, total accuracy is a sum of meter and temperature sensor accuracy.
In the range 0 ÷ 100 °C the maximal acceptable error of the used temperature sensor with Pt-1000S ±0.27 °C.