



PORTABLE PH-METER PH-250

This instrument is light, functional and very robust. It has been designed to work in harsh conditions, both in industry and in the field or lab. Two instruments in one. Depending on the sensor connected, it can be a pH-meter or a thermometer.

Main Features:

Double-LCD display screen, for simultaneous readings of pH, or mV and temperature. With icons indicating battery, calibration, unit, etc. status.

Two instruments in one: a pH-meter and a thermometer. As a pH-meter it measures pH and °C and, by replacing the pH electrode with a temperature probe with a Pt 1000 sensor, it turns into a precision thermometer for up to 600 °C.

Automatic calibration with 1, 2 or 3 buffers, which can be pH 2.00, 4.01, 7.00, 9.21 and 10.90, values at 25°C. Error messages for incorrect calibrations.

The instrument automatically switches itself off if no keys are pressed for 5 minutes. This function can be disabled by the user. Uses very little electricity. With the instrument on, the batteries will last approximately 1000 hours. IP 65 Protection. Dust- and water-proof.

Sensors connector (IP 67 protection) for connecting pH electrodes with or without an integrated temperature sensor. Any Pt 1000 temperature probe can also be connected to it. “Long life” membrane keypad, guaranteed for up to 6 million strokes per key. Carry-case, holds everything you need to work in comfort.



Advantages of the PH 250

- Very easy use
- Shock-resistant
- Ergonomic design
- Long-life batteries
- Industrial-use keypad

Limitations

All portable instruments, even watertight ones, are at risk from condensation when exposed to fast temperature variations.

Certificates

Supplied with the EC Declaration of Conformity as per directive EMC 89/336/EC, and specifications certificate.

Technical specifications

	pH	Thermometer
Measuring ranges	-2.00...16.00 pH (or ± 1500 mV)	-20...150 °C or -200... 600 °C
Resolution	0.01 pH, 1 mV	0.1 °C, between -99.9 and 199.9 1°C above 200°C
Measuring error (± 1 digit)	≤ 0.01 pH, ≤ 1 mV	$\leq 0.2^\circ\text{C}$, between -99.9 and 199.9 $\leq 1^\circ\text{C}$ above 200°C
Reproducibility (± 1 digit)	± 0.01 pH, ± 1 mV	$\pm 0.1^\circ\text{C}$, between -99.9 and 199.9 $\pm 1^\circ\text{C}$ above 200°C
Input impedance	> 1012 Ohm (Ω)	
Keyboard Material	PET with protective treatment	
Case material	ABS	
Sensors connector	MP-5, five-contact multipin IP67	
Degree of protection	IP 65	
Power supply	Two 1.5V, type AA batteries, autonomy of over 1000 h	
Electrical safety	EN 61010-1, EN 61010-1/A2	
EMC	Meets EC, EN 61326, EN 61326/A1	
Physical parameters	Weight 200 g - Dimension 160 x 75 x 50 mm	
Operating conditions	0... 50°C, < 80 % RH non condensing	

Endorsed electrode:

The most robust puncture electrode, unique on the market:

- Stainless steel external body.
- Can measure with the membrane in any position.
- With built-in temperature probe

Advantages:

The advantages of a pH electrode with integrated temperature sensor are that a single puncture is sufficient to measure pH and temperature and can be done with a single hand.

Applications

Measurements in semi-solids: cheeses, meats, fish, fruits, bread dough, etc. This electrode can also be used for measurements in aqueous samples.

Limits:

- pH < 2
- Temperatures exceeding 60 °C

WARNINGS

On hard samples it's advisable to first use a s.s. punch to create a passage.

OPZIONI:

- PH-250/1: Spare probe (pH + temperature)
- PH-250/4: Buffer pH 4,01 - 250 ml
- PH-250/7: Buffer pH 7,00 - 250 ml
- PH-250/9: Buffer pH 9,21 - 250 ml



The Company reserves the right to modify the technical data and characteristics at any time w