

Lab Model Digital pH/Ion Meter

The Lab Model Digital pH/Ion Meter is a high-quality, bench-type lab pH meter designed to measure the entire



Lab Model Digital pH/Ion Meter
Combination pH Probe
Soaker Bottle & Soaker Solution
Automatic Temperature Compensation (ATC) Probe

pH scale (0-14). This meter has a millivolt range of +/-1000mV and easily converts from 115- to 230-volts AC power by use of a conveniently mounted switch. The unit provides accuracy and readability of 0.01 pH.

The automatic temperature compensation (ATC) range on this instrument runs from 0° to 100° Centigrade. The ATC probe (included with meter) plugs into the front panel of the meter and automatically adjusts the readout to measure temperature variations in the fluid. The analog recorder output may be continuously used in conjunction with a recorder to display and record the pH measurements.

Large dual display shows pH or mV, plus temperature

Three-point pH calibration with auto buffer recognition

ISO 9001 CERTIFIED

Laboratory Bench-type pH Meter provides stable, accurate measurements in pH, mV and temperature. Built-in memory function stores up to 50 pH, mV or relative mV readings with corresponding temperature. This meter is so easy to use; you'll be ready to take readings in minutes!

The Lab Model pH Meter features a large dual display that shows pH (or mV) and temperature readings, and a water-resistant membrane keypad. Slide-out instruction card (included) stores underneath the meter for quick reference.

The pH meter is supported by a full selection of Fann calibration buffers, electrodes and accessories.

Features

Selectable buffer sets

Switch from pH to mV readings with a button press

Features 0.1 mV resolution for ORP measurements

Selectable manual or automatic temperature compensation

Built-in memory function

Hold function, "Ready" indicator, and diagnostic error messages

Fully diagrammed manual, plus slide-out instruction card

Specifications

Power: 9 VDC, 500 mA; using AC adapter (included); choose from 110 VAC, 60 Hz or 220 VAC, 50 Hz models. AC adapter is CSA and UL listed.

Input impedance: $>10^{12} \Omega$

Temperature Compensation: Selectable manual or automatic from 0 to 100°C

Memory: up to 50 sets

Recorder output: ± 2000 mV (directly proportional to input)

Recorder output connector: mini pin (subminiature phono plug)

Display: Dual display of measurement with temperature and mode annunciators

Error messages: Diagnose operator error, electrode error, and meter error. Pull-out instruction card decodes message.

Type	pH	mV	Temperature
Range	0.00 to 14.00 pH	-1999 to +1999 mV	0 to 100°C
Resolution	0.01 pH	0.1 mV from ± 199.9 mV 1 mV beyond ± 199.9 mV	0.1°C
Accuracy	± 0.01 pH	± 0.2 mV from ± 199.9 mV ± 2 mV beyond ± 199.9 mV	0.3°C
Calibration	Up to 3 points (USA: 4.01; 7.00; 10.01 or NIST: 4.01, 6.86; 9.18); auto-buffer recognition	Offset up to ± 150 mV	Offset 0.1°C increments up to ± 5 °C

Order No. 209994—Lab Model Digital pH/Ion Meter, combination probe, soaker bottle w/solution, and Automatic Temperature Compensation (ATC) Probe

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