

# pH 1100 Meter

Advanced features, high performance, and optimal versatility while maintaining a user-friendly interface

pH/ORP Measurement  
Benchtop Meters



High resolution: 0.001 pH  
High accuracy:  $\pm 0.002$  pH

Backlit two-line,  
dot matrix display  
provides clear instructions for setup,  
measurement, and calibration

Up to five customizable  
calibration points  
choose your own, or select  
US Standard or NIST buffer sets

Displays last calibration  
date and time

High/low set point alarms  
signal readings outside your preset  
limits

Calibration due alarm  
user-defined interval ensures regularly  
scheduled recalibration for ISO and  
GLP compliance

Stores up to 100 readings with  
date and time  
store readings either manually or on  
programmable real-time intervals

Features RS-232 output and  
FREE DAS for Windows<sup>®</sup>  
software; analog recorder  
output

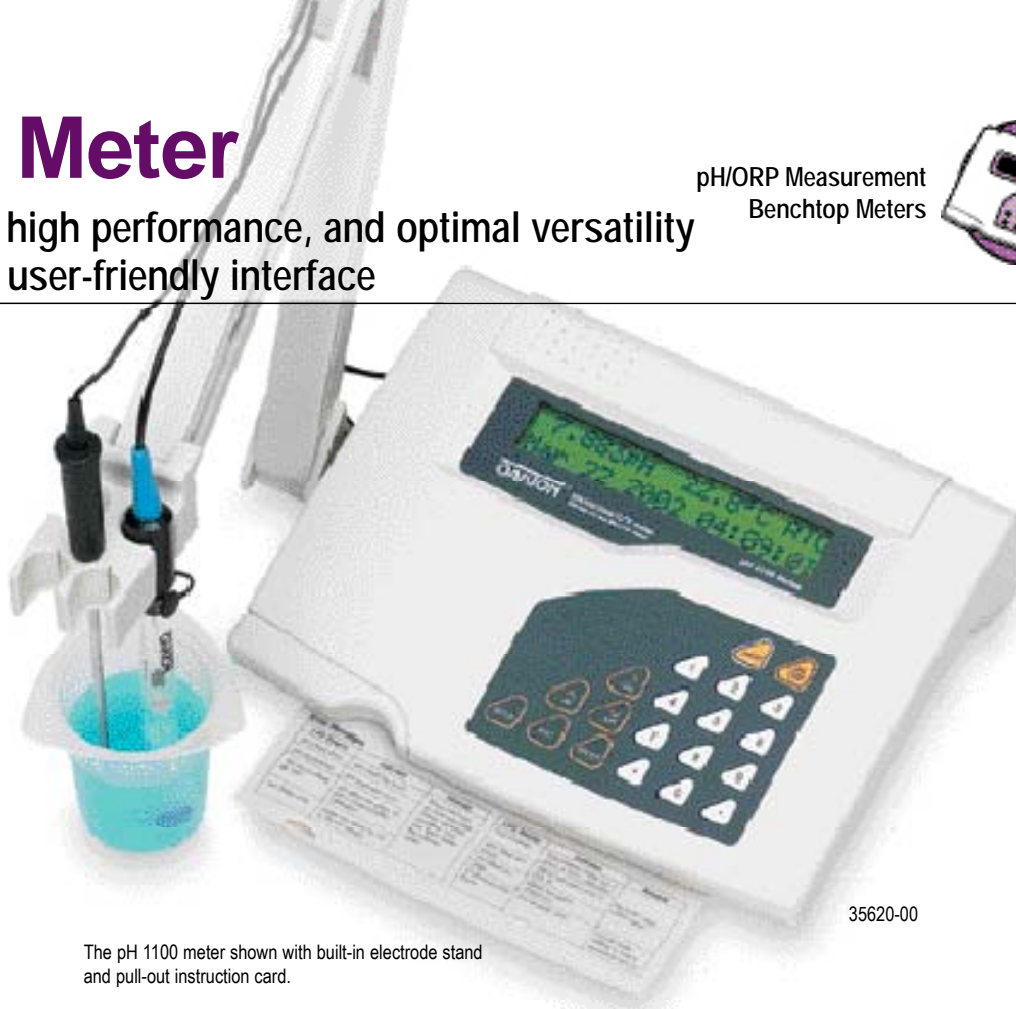
Built-in real time clock  
with timer alarm

°C/°F selectable

Manual or automatic  
temperature compensation  
(ATC)

Calculates electrode slope  
and offset automatically

Detachable electrode holder;  
quick reference instruction  
guide



35620-00

The pH 1100 meter shown with built-in electrode stand  
and pull-out instruction card.

## Specifications



Mode	pH	mV or relative mV	Temperature
Range	-1.000 to 14.000 pH	$\pm 1850$ mV	-5.0 to 105.0°C (23.0 to 221.0°F)
Resolution	0.001 pH or 0.01 pH (selectable)	0.1 mV	0.1°C or °F
Accuracy	$\pm 0.002$ pH or $\pm 0.01$ pH	$\pm 0.2$ mV	$\pm 0.3^\circ\text{C}$ ( $\pm 0.5^\circ\text{F}$ )
Calibration	Up to five customizable calibration points, or select buffer sets USA (1.68, 4.01, 7.00, 10.01, 12.45); NIST (1.68, 4.01, 6.86, 9.18, 12.45); Bf1 (1.68, 4.01, 7.01, 9.18, 12.45); or Bf2 (1.68, 4.01, 6.86, 10.01, 12.45)	Offset up to $\pm 150$ mV	Offset up to $\pm 5.0^\circ\text{C}$ ( $\pm 9.0^\circ\text{F}$ )
Connectors	BNC	BNC	Mini phono plug

Input impedance: 1 G $\Omega$

Temperature compensation:

manual or automatic from -5.0 to 105.0°C

Recorder output:  $\pm 1850.0$  mV (proportional to input)

RS-232 specifications: selectable baud rate, stop bit, and parity

Memory: Up to 100 readings

Computer requirements: 386 and above that can run Microsoft Windows<sup>®</sup> 95 or higher, hard disk with approx 500 KB free disk space, EGA monitor or above, 9-pin serial port connecting cable, mouse.

Printer requirements: accepts serial output as per RS-232 specifications

Output connectors:

Recorder: mini-pin (submini phono plug)

RS-232/printer: 9-pin female

Display: backlit alphanumeric LCD, 2 lines, 20 characters

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

Operating temperature: 0 to 50°C, noncondensing humidity

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

Dimensions:

Meter: 7.2"D x 9.2"W x 2.5"H (18 x 23 x 6.4 cm)

Boxed: 10"D x 15.5"W x 3.5"H (25 x 39 x 9 cm)

Weight:

Meter only: 1.25 lb (0.6 kg);

Boxed: 3 lb (1.4 kg)

## Ordering Information

Cat. no.	Description	Included
WD-35620-22	pH 1100 meter only	Meter, VAC adapters, software, and instructions
WD-35620-20	pH 1100 meter	Meter, double-junction glass body pH electrode, stainless steel temperature probe, AC adapters, software, and instructions