



pH 1100 Meter

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

See pages 25-30 for our complete selection of pH, ORP, and ion-selective electrodes

High resolution: 0.001 pH
High accuracy: ±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® 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



The pH 1100 meter includes built-in electrode stand and pull-out instruction card. 35620-00

ISO 9001:2000
 CERTIFIED SUPPLIER

CE 3 year warranty
 meter only

Specifications

Mode	pH	mV or relative mV	Temperature
Range	-1.000 to 14.000 pH	±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	±0.002 pH or ±0.01 pH	±0.2 mV	±0.3°C (±0.5°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 ±150 mV	Offset up to ±5.0°C (±9.0°F)
Connectors	BNC	BNC	Mini phono plug

Input impedance: 1 GΩ

Temperature compensation: manual or automatic from -5.0 to 105.0°C

Memory: up to 100 readings

Recorder output: ±1850.0 mV (proportional to input)

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

Computer requirements: 386 and above that can run Microsoft® Windows® 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

Catalog number	Description	Included
WD-35620-22	pH 1100 meter only	Meter, software, detachable electrode stand, and AC adapters
WD-35620-20	pH 1100 meter	Meter, double-junction glass body pH electrode, stainless steel temperature probe, software, detachable electrode stand, and AC adapters