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YSI 1200 Laboratory pH Instrument

Simple, Accurate Lab-Grade pH, mV and Temperature



Parameters:

pH

mV

Temperature

The YSI pH1200 is an accurate and reliable laboratory instrument for the measurement of pH and mVs. An autolock feature will hold the readings on the display once they reach stabilization. Simple 1-, 2- or 3-point calibration routine with automatic buffer recognition plus a sensor efficiency function to ensure the most accurate data. The instrument can be powered by batteries or through AC power. The pH1200 also features an easy-to-use keypad with a large, easy-to-read backlit display ideal for the lab.

- Laboratory grade pH/mV/temperature sensors
- Large, backlit display and easy-to-use keypad
- ATC temperature sensor or manual input
- 1-, 2- or 3-point calibration with automatic buffer recognition of US or NIST buffers
- Sensor efficiency check function helps ensure data integrity
- Autolock mode holds stable readings on the display
- Accepts U.S. (7.00, 4.01, 10.01) or National Institute of Standards and Technology (6.86, 4.00, 9.18) buffer sets
- Single-junction lab grade with built-in temperature or double-junction piercing tip or flat-glass electrodes available
- Battery or AC wall power
- 2-year instrument warranty

The pH1200 provides quality laboratory pH or mV data with expected YSI quality. Shown here with the 170 electrode stand.



YSI 170 Electrode Stand

- Holds three standard size electrodes
- Easily attach electrodes and leave them secured
- Hands-free, simplified sampling
- Plastic swing arm and quick vertical/horizontal adjustment
- Weighted base



pH1200 Specifications (Instrument)

Temperature	Range	0.0 to 100°C (32 to 212°F)
	Resolution	0.1°C
	Accuracy	±0.2°C
pH	Range	0.00 to 14.00 units
	Resolution	0.01 unit
	Accuracy	±0.01 units
mV	Range	-1999 to +1999 mV
	Resolution	0.1 mV
	Accuracy	±0.05% ±1 digit

pH1200 Additional Specifications

Operating range

Temperature	0 to 50°C (32 to 122°F)
Relative Humidity	up to 85%

Water rating IP65 water resistant; splash resistant

Size 150 mm x 203 mm x 72 mm (5.9 in. x 8.0 in. x 2.8 in.)

Weight with battery 504 grams (1.1 lb.)

Input Impedance >10¹³Ω

Power Four 1.5 volt C-size alkaline batteries or 115/230V AC adapter

pH temp compensation Auto/Manual 0.0 to 100.0° C (32 to 212°F)

pH buffer recognition Auto recognition US (4.01, 7.00, & 10.01) or NIST (4.00, 6.86, & 9.18); user-selectable

pH offset recognition ±1.50 pH

pH slope recognition ±30%

Connector (pH/temp) BNC, 8 pin DIN

Autolock feature Yes; if the difference between a reading at one second and the tenth second is less than 0.01 pH or 0.2 mV the instrument will "lock" the tenth reading

Electrode Efficiency Yes; recommended to replace electrode when the efficiency is <75%

Backlit Display Yes

pH1200 Ordering Information (order items separately)

601200	Model 1200 Laboratory pH Instrument with 115/230V AC adapter
601201	pH/mV electrode, lab-grade with 1-m cable
601203	pH/mV/Temperature combination electrode (120 mm length/12 mm diameter (4.7 in/0.47 in), Glass sensor, 1-m (3-ft) cable, 0 to 80°C (32 to 176°F) operating temperature)
601202	Temperature probe, stainless steel with 10K thermistor
605080	pH piercing tipped double-junction electrode; 1-m (3-ft) cable
605081	pH flat glass double-junction electrode; 1-m (3-ft) cable
605170	Electrode stand
603824	Assorted case of pH buffers; 2 pints each of pH 4, 7, and 10 buffers

YSI

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