

HI122

pH Benchtop Meter

with Built-in Printer

- **CAL Check™**
 - Alerts users of calibration status
- **Five-point calibration**
 - Five pH calibration points using standard or custom buffers
- **Logging**
 - Automatic data logging of 1000 records and log-on-demand
- **GLP features**
 - Meets Good Laboratory Practices
- **Direct printing**
 - Built-in impact printer

On-board printing and CAL Check™ in One Instrument

HI122 benchtop instrument features a built-in printer and CAL Check™. CAL Check™ monitors electrode response time and condition, and provides enhanced diagnostic messages during calibration.

Built-in Impact Printer

The built-in impact printer incorporated into the HI122 uses regular paper that does not fade with time. The information related to measurements being taken can be printed while in measurement, log-on-demand or internal logging modes. This model also allows users to print detailed information in four languages for specific help screens and instrument set-up.

Logging

Users can log-on-demand up to 50 samples and automatically log data up to 1000 points with flexible starting and stopping criteria.

GLP Capabilities

HI122 provides GLP capabilities that allow for the retrieval of all data regarding pH, mV, EC and salinity calibration as well as data regarding the maintenance and status of the electrode.

Calibration

This meter uses Hanna's "P" series of electrodes. Calibration can be performed up to five points using the standard seven buffers, or by using two custom buffer values. The buffer(s) used during calibration are displayed on the LCD even when in measurement mode.



Specifications

HI122

pH	Range	-2.00 to 16.00 pH; -2.000 to 16.000 pH
	Resolution	0.01 pH; 0.001 pH
	Accuracy @25°C	±0.01 pH; ±0.002 pH
	Calibration	automatic, up to five point calibration standard with seven buffers (1.68, 4.01, 6.86, 7.01, 9.18, 10.01, 12.45) and two custom buffers
mV	Temperature Compensation	automatic or manual from -20.0 to 120°C (-4.0 to 248.0°F)
	Range	±999.9; ±2000 mV
	Resolution	0.1 mV; 1 mV
Temperature	Accuracy @25°C	±0.2 mV (±699.9 mV); ±0.5 mV (±999.9 mV); ±1 mV (±2000 mV)
	Relative mV Offset Range	±2000 mV
	Range	-20.0 to 120.0°C (-4.0 to 248.0°F)
Additional Specifications	Resolution	0.1°C (0.1°F)
	Accuracy @25°C	±0.4°C (±0.7°F)
	pH Electrode	HI1131P glass body pH electrode with BNC + pin connectors and 1 m (3.3') cable (included)
	Temperature Probe	HI7662-T temperature probe with 1 m (3.3') cable (included)
	Log-on-demand	50 samples (25 per channel)
	Interval Logging	5 second to 180 minutes, 1000 samples (500 per channel)
	Input Impedance	10 ¹² Ohm
	PC Connection	RS232 serial port, opto-isolated
	Printer	built-in dot matrix printer, with 44 mm plain paper
	Power Supply	12 VDC adapter (included)
Ordering Information	Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
	Dimensions	280 x 203 x 84 mm (11.0 x 8.0 x 3.3")
	Weight	1.9 kg (4.2 lbs.)
	HI122-01 (115V) and HI122-02 (230V) are supplied with HI1131P pH electrode, HI7662-T temperature probe, HI70004 pH 4.01 buffer solution sachet, HI70007 pH 7.01 buffer solution sachet, HI7082 3.5M KCL electrolyte solution (30 mL), (5) paper rolls, 12 VDC adapter and instructions.	

pH and ORP electrodes begin on page 3.77; pH and ORP solutions begin on page 3.100