HI2216

0.001 Resolution Meter

pH/ORP/ISE/°C

- Two-point ISE Calibration
  - Up to two-point ISE calibration with five standard solutions
- Five-point pH Calibration
  - Up to five-point pH calibration with seven standard buffers
- GLP Features
  - Meets Good Laboratory Practices
- Automatic Temperature Compensation (ATC)
- Logging
  - Manually log up to 200 records and interval log up to 500 records
- Connectivity
  - PC interface via USB

The HI2216 is a pH, ORP, ISE and °C meter with five point pH calibration and 0.001 pH resolution.

This instrument provides GLP capabilities to allow for the storage and retrieval of all data regarding pH, ORP, and ISE calibration.

The HI2216 can perform measurements using ORP electrodes in the mV scale and ISE electrodes in the ppm scale through the pH/mV/ISE channel input. A relative mV feature is also provided.

Specifications		HI2216
pH	Range	-2.0 to 16.0 pH; -2.00 to 16.00 pH; -2.000 to 16.000 pH
	Resolution	0.1; 0.01; 0.001
	Accuracy	±0.1 pH; ±0.01 pH; ±0.002 pH
	Calibration	automatic, up to five-point calibration with seven standard buffers available (1.68, 4.01, 6.86, 7.01, 9.18, 10.01, 12.45) and two custom buffers
	Temperature Compensation	automatic or manual (with HI7662 temperature probe) from -20.0 to 120.0 °C (-4.0 to 248.0°F)
mV	Range	±999.9 mV; ±2000 mV
	Resolution	0.1 mV (±999.9 mV); 1 mV (±2000 mV)
	Accuracy	±0.2 mV (±999.9 mV); ±1 mV (±2000 mV)
	Relative mV Offset	±2000 mV
ISE	Range	0.001 to 19990 ppm
	Resolution	0.001 ppm; 0.01 ppm; 0.1 ppm; 1 ppm; 10 ppm
	Accuracy	±0.5% FS
	Calibration	automatic, one or two points with five available buffers (0.1, 1, 10, 100, 1000 ppm)
Temperature*	Range	-20.0 to 120.0 °C (-4.0 to 248.0°F)
	Resolution	0.1 °C
	Accuracy	±0.2°C
Additional Specifications	pH Electrode	HI1131B glass body pH electrode with BNC connector and 1 m (3.3') cable (included)
	Temperature Probe	HI7662 temperature probe, stainless steel with 1 m (3.3') cable (included)
	Input Impedance	10^{12} ohm
	PC Connectivity	opto-isolated USB
	Data Logging	log-on-demand up to 200 records; autologging up to 500 records
	Logging Interval	5, 10, 30 seconds, 1, 2, 5, 10, 15, 30, 60, 120, 180 minutes stability logging ("StAb")
	Power Supply	12 VDC adapter (included)
	Environment	0 to 50°C (32 to 122°F); RH max 95%
	Dimensions / Weight	235 x 222 x 109 mm (9.2 x 8.7 x 4.3") / 1.3 kg (2.9 lb.)
Ordering Information	**HI2216-01** (115V) and **HI2216-02** (230V) is supplied with HI1131B pH electrode, HI7662 temperature probe, HI76404N electrode holder, HI70004 pH 4.01 buffer solution sachet, HI70007 pH 7.01 buffer solution sachet, HI7082S 3.5 KCl electrolyte solution (30 mL), HI700601 cleaning solution sachet, 12 VDC adapter and instructions.	

(*) Reduced to actual sensor limits

pH and ORP electrodes begin on page 3.77; pH and ORP solutions begin on page 3.100; ISE electrodes and solutions begin on page 4.22

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