Combination meter pH/mV/EC/TDS/NaCl

part no: HI 2550

High-performance multiparameter bench meter

The HI 2550 is a two-channel logging micro-processor based meter for measuring pH, ORP, conductivity, total dissolved solids, % sodium chloride and temperature.

With the added benefit of a relative mV feature, this high specification bench meter is perfect for use in professional laboratories.

- pH readings are automatically temperature compensated using an external temperature probe. To ensure maximum precision, the meter offers up to five point calibration with seven available memorised buffers.
- Measurement of mV with a resolution of up to 0.1mV can be taken using ORP electrodes through the pH channel input. It also uses ISE electrodes on the mV scale.
- Conductivity measurements can be compensated relative to a selected reference temperature. The EC calibration mode allows the user to choose from among six recognised conductivity standards and perform single-point calibration. The most suitable EC and TDS range is automatically selected. The HI 2550 also offers the ability to set and lock the range manually.
- GLP capabilities facilitate storage and retrieval of all data for pH, relative mV, EC and NaCl calibration and sample measurement. Data on maintenance and status of the electrode is also recorded.
- The built-in logging function allows measurements to be stored and transferred to a PC through a USB interface. Users can manually log up to 200 records and interval log up to 500 records.

Supplied with

- HI 1131B pH electrode
- HI 76310 EC/TDS probe
- HI 7662 temperature probe
- HI 76404N electrode holder
- Starter pack of buffer and cleaning solutions
- 12 Vdc adapter
- Working instructions

Solutions

Hanna manufactures a wide range of solutions for the care, cleaning and calibration of your electrodes.

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Practical wide-based bench meter with two input channels:

- Measuring up to seven parameters
- Simultaneous measurement of pH, EC and temperature using separate sensors (supplied)
- Offering extra wide temperature range

Model shown with 2 electrode holders for illustrative purposes only.

One electrode holder included as standard

pH and EC electrodes and temperature probe all supplied as standard

Wide screen LCD and rubberised keyboard with intuitive buttons:

- Up to five point calibration with seven standard and two custom buffers
- EC/ TDS autoranging, manual ranging and range lock
- HOLD button freezes readings on display
- Automatic temperature compensation for pH & EC
- Log on demand of up to 200 readings with USB connection for data download
- Interval logging of up to 500 samples

Specifications

Product Code		HI 2550
Range	pH/ORP	-2.00 to 16.00 pH; -2.000 to 16.000 pH / ±999.9 mV (ISE & ORP); ±2000 mV (ISE & ORP)
	EC	0.00 to 29.99 µS/cm; 30.0 to 299.9 µS/cm; 300 to 2999 mS/cm 3.00 to 29.99 mS/cm; 30.0 to 200.0 mS/cm; up to 500.0 mS/cm actual EC
	TDS	0.00 to 14.99 ppm; 15.0 to 149.9 ppm; 150 to 1499 ppm; 1.50 to 14.99 g/L; 15.0 to 100.0 g/L; up to 400.0 g/L actual TDS
	NaCl	0.0 to 400.0% NaCl
	Temperature	20.0 to 120°C (pH, EC range)
Resolution	pH/ORP	0.01 pH; 0.001 pH / 0.1 mV ±1000.0 mV; 1 mV (±2000 mV)
	EC	0.01 µS/cm; 0.1 µS/cm; 1 µS/cm; 0.01 mS/cm; 0.1 mS/cm
	TDS	0.01 ppm; 0.1 ppm; 1 ppm; 0.01 g/L; 0.1 g/L
	NaCl	0.1% NaCl
	Temperature	0.1°C
Accuracy (@20°C)	pH/ORP	±0.01 pH; ±0.002 pH / ±0.2 mV (±999.9 mV); ±1 mV (±2000 mV)
	EC	±1% of reading ±(0.05 µS/cm or 1 digit)
	TDS	±1% of reading ±(0.03 ppm or 1 digit)
	NaCl	±1% of reading
	Temperature	±0.4°C (excluding probe error)
Relative mV Offset Range		±2000 mV
Calibration	pH	1, 2, 3, 4, 5 point calibration, 7 standards, (1.68, 4.01, 6.86, 7.01, 9.18, 10.01, 12.45) & 2 custom buffers
	EC	automatic, 1 point, with 6 memorised values (84.0 & 1413 µS/cm; 5.00, 12.88, 80.0 &111.8 mS/cm)
	NaCl	automatic, 1 point, with HI-7037L calibration solution
Temperature Compensation		manual or automatic, -20.0 to +120.0°C for pH; -20.0 to +120.0°C for EC; (can be disabled for measuring actual EC and TDS values)
Temperature Coefficient		0.00 to 6.00%/°C (EC and TDS only); default value: 1.90%/°C
TDS Conversion Factor		0.40 to 0.80; default value: 0.50
Electrodes and probes		HI 1131B pH electrode included, HI 76310 EC probe included, HI 7662 temperature probe included
PC Connection		opto-isolated USB
Data Logging		200 samples
Log Interval Feature		500 records stability logging 5, 10 , 30 seconds 1, 2, 5, 10, 15, 30, 60, 120, 180 minutes
Power Supply		12 Vdc adapter (included)
Environment		0 to 50°C; RH max 95%
Dimensions / Weight		232 x 222 x 109 mm / 1.3 kg kit

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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.