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EC/TDS/NaCl and pH/mV Meter
for Laboratories

6 in 1 Bench Meter!

The HANNA HI 255 is a logging, microprocessor-based pH, ORP, Conductivity (EC), TDS, NaCl and temperature bench meter. A relative mV feature is also provided.

The autoranging feature of the EC and TDS functions automatically sets the instrument to the scale with the highest possible resolution.

An alarm time-out is available to alert the user that too much time has elapsed since last pH calibration.

- *Autoranging*
- *Good Laboratory Practice*
- *Logging function*
- *PC interface*

ORDERING INFORMATION

HI 255-01 (115V) and **HI 255-02** (230V) are supplied with HI 1131B glass body, combination pH electrode, HI 76310 conductivity /TDS probe, HI 7662 temperature probe, HI 76404 electrode holder, pH 4 and pH 7 buffer solutions, HI 7071S electrolyte solution, 12 Vdc power adapter and instructions.

ELECTRODES

HI 1131B	Refillable pH electrode with BNC connector and 1m (3.3') cable
HI 76310	4-ring platinum sensor conductivity probe
HI 7662	Temperature probe

SOLUTIONS

HI 5004	pH 4.01 buffer solution, 500 mL
HI 5007	pH 7.01 buffer solution, 500 mL
HI 5010	pH 10.01 buffer solution, 500 mL
HI 54710	pH 4.01, pH 7.01 and pH 10.01 buffer solution, 500 mL ea.
HI 7030L	12880 µS/cm calibration solution, 500 mL
HI 7031L	1413 µS/cm calibration solution, 500 mL
HI 7033L	84 µS/cm calibration solution, 500 mL
HI 7034L	80000 µS/cm calibration solution, 500 mL
HI 7035L	111800 µS/cm calibration solution, 500 mL
HI 7037L	Salinity solution, 500 mL
HI 70300L	Electrode storage solution, 500 mL
HI 7061L	Electrode cleaning solution, 500 mL

ACCESSORIES

HI 76404	Electrode holder
HI 710005	115 Vac/12 Vdc pwr adapter (US)
HI 710006	230 Vac/12 Vdc pwr adapter (EU)
HI 92000	Windows® compatible software
HI 920010	Serial cable for PC connection
HI 190M	Magnetic stirrer with ABS plastic cover, max 1000 rpm, Speedsafe™
HI 200M	Magnetic stirrer with AISI stainless steel cover, max 1000 rpm, Speedsafe™

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SPECIFICATIONS		HI 255
Range	pH/ORP	-2.00 to 16.00 pH; -2.000 to 16.000 pH / ±699.9 mV; ±2000 mV
	EC	0.00 to 29.99 µS/cm; 30.0 to 299.9 µS/cm; 300 to 2999 µS/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	-10 to 120.0 °C (pH); 0.0°C to 60.0°C (EC)
Resolution	pH/ORP	0.01 pH; 0.001 pH/ 0.1 mV (±699.9 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 (±699.9 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		±2000 mV
Calibration (pH)		automatic, at 1, 2 or 3 points, with 5 memorized buffers (pH 4.01, 6.86, 7.01, 9.18, 10.01)
Calibration (EC)		automatic, 1 point, with 6 memorized values (84.0 and 1413 µS/cm; 5.00, 12.88, 80.0 and 111.8 mS/cm)
Calibration (NaCl)		automatic, 1 point, with HI 7037L calibration solution
Temperature Compensation		manual or automatic, -10.0 to 120.0°C (14 to 248°F) for pH; 0.0 to 60.0°C (32 to 140°F) 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
pH Electrode		HI 1131B (included)
EC Probe		HI 76310 (included)
Temperature Probe		HI 7662 (included)
PC Connection		RS232 opto-isolated serial port
Data Logging		200 samples
Input Impedance		10^{12} Ohm
Power Supply		12 Vdc adapter (included)
Environment		0 to 50°C (32 to 122°F); RH max 95%
Dimensions / Weight		240 x 182 x 74 mm (9.4 x 7.2 x 2.9") / 1.1 kg (2.4 lbs.)

* with temperature compensation function disabled