Auto-ranging EC, TDS, NaCl, Temperature Meter

with 4-ring Platinum Probe

Good Laboratory Practice

Good Laboratory Practice (GLP) is a set of functions that allows storage and retrieval of data regarding the status of the system. After a successful calibration, the meter automatically stores the date and time of calibration, the calibration solution used and the resulting cell constant value. All this information can be recalled by the user.

Data Transfer to PC

Connect the meter to a PC through the RS232 serial port. Use the HI 920010 (9 to 9-pin) connection cable and HI 92000 Windows® compatible software (optional).

- 4-ring EC probe with internal temperature sensor
- Automatic (ATC), Manual (MTC) or No Temperature Compensation (NoTC)
- Auto-ranging
- Good Laboratory Practice
- PC compatible

ORDERING INFORMATION

HI 2300-01 (115V) and **HI 2300-02** (230V) are supplied with HI 76310 conductivity probe, 12 Vdc power adapter and instruction manual.

ELECTRODES

HI 76310 4-ring Pt sensor EC probe with built-in temperature sensor and 1 m (3.3') cable

SOLUTIONS

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 7039L 5000 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 710005 115 Vac/12 Vdc pwr adapter (US)

HI 710006 230 Vac/12 Vdc pwr adapter (EU)

HI 920010 Cable for PC connection

HI 92000 Windows® compatible software

SPECIFICATIONS		HI 2300
Range	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 mg/L (ppm); 15.0 to 149.9 mg/L (ppm); 150 to 1499 mg/L (ppm); 1.50 to 14.99 g/L (ppt); 15.0 to 100.0 g/L (ppt); up to 400.0 g/L (actual TDS)*, with 0.80 conversion factor
	NaCl	0.0 to 400.0%
	Temperature	-9.9 to 120.0°C
Resolution	EC	0.01 µS/cm; 0.1 µS/cm; 1 µS/cm; 0.01 mS/cm; 0.1 mS/cm
	TDS	0.01 mg/L; 0.1 mg/L; 1 mg/L; 0.01 g/L; 0.1 g/L
	NaCl	0.1%
	Temperature	0.1°C
Accuracy	EC	±1% of reading ± (0.05 µS/cm or 1 digit)
	TDS	±1% of reading ± (0.03 mg/L or 1 digit)
	NaCl	±1% of reading
	Temperature	±0.4°C
Calibration	EC	automatic, 1 point with 6 memorized values (84, 1413, 5000, 12880, 80000, 111800 µS/cm)
	NaCl	1 point, with HI 7037 calibration solution
	Temperature	2-point, at 0 and 50°C (32 and 122°F)
Temperature Compensation		automatic or manual, 0 to 60°C (32 and 140°F)
Temperature Coefficient		selectable from 0.00 to 6.00%/°C (EC and TDS only)
TDS Conversion Factor		selectable from 0.40 to 0.80 (default value: 0.50)
Probe (included)		HI 76310, 4-ring platinum, internal temperature sensor
Auto-off		after 5 minutes of non-use (can be disabled)
Power Supply		12 Vdc power 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

HI 92000 — PC Software

HANNA® instruments