

HI 8730 • HI 8731 • HI 8732

EC, TDS and Temperature Meters

Versatile, Watertight Meters



Designed for QC and Production

HI 8730, HI 8731 and HI 8732 are complete, versatile and watertight conductivity meters that are lightweight and easy to maintain.

HI 8730 measures EC in the 0 to 1990 $\mu\text{S}/\text{cm}$ range, TDS from 0 to 1990 ppm, and temperature from 0 to 70°C.

HI 8731 measures EC and TDS with extended ranges (from 0 to 6000 $\mu\text{S}/\text{cm}$ and from 0 to 3000 ppm, respectively) and temperature from 0 to 70°C.

HI 8732 measures EC in the 0 to 4 mS/cm range, TDS from 0 to 1999 ppm and temperature from 0 to 70°C.

Each desired measurement mode features its own key for quick selection.

Conductivity measurements are automatically compensated for temperature changes with a fixed coefficient of 2%/°C.

Designed to require little maintenance, the HI 761285 probe features a built-in temperature sensor.

These meters can be calibrated at one point for EC or TDS, while the temperature range is factory calibrated.

- *Automatic Temperature Compensation*
- *Probe is easy to maintain and features a built-in temperature sensor*

SPECIFICATIONS		HI 8730	HI 8731	HI 8732
Range	EC	0 to 1990 $\mu\text{S}/\text{cm}$	0 to 6000 $\mu\text{S}/\text{cm}$	0.00 to 4.00 mS/cm
	TDS	0 to 1990 ppm	0 to 3000 ppm	0 to 1999 ppm
	Temperature	0 to 70.0°C		
Resolution	EC	10 $\mu\text{S}/\text{cm}$	10 $\mu\text{S}/\text{cm}$	0.01 mS/cm
	TDS	10 ppm	10 ppm	1 ppm
	Temperature	1°C	0.1°C	0.1°C
Accuracy (@20°C)	EC/TDS	±2% F.S.		
	Temperature	±1 °C	±0.5 °C	
Calibration	EC/TDS: Manual 1 point through knob; Temp: Factory calibrated			
TDS Factor		0.5	0.5	Variable, 0.56 to 0.72
Probe	HI 761285 (included)			
Temperature Compensation	Automatic, 0 to 50°C (32 to 122 °F) with $\beta=2\%/^{\circ}\text{C}$			
Environment	0 to 50°C (32 to 122°F); RH max 100%			
Battery Type / Life	(1) 1.9V / approx. 250 hours			
Dimensions	164 x 76 x 45 mm (6.4 x 3.0 x 1.8")			
Weight	205 g (8.8 oz.)			

ORDERING INFORMATION

HI 8730, HI 8731 and **HI 8732** are supplied with conductivity probe with built-in temperature sensor, calibration solution sachets, battery and instructions.

PROBES

HI 761285 Conductivity probe with built-in temperature sensor, DIN connector and 1 m (3.3') cable

SOLUTIONS

HI 70031P 1413 $\mu\text{S}/\text{cm}$ solution, 20 mL sachet (25 pcs)

HI 7031M 1413 $\mu\text{S}/\text{cm}$ solution, 250 mL

HI 7031L 1413 $\mu\text{S}/\text{cm}$ solution, 500 mL

HI 70032P 1382 ppm solution, 20 mL sachet (25 pcs)

HI 7032M 1382 ppm solution, 250 mL

HI 7032L 1382 ppm solution, 500 mL

HI 70039P 5000 $\mu\text{S}/\text{cm}$ solution, 20 mL sachet (25 pcs)

HI 7039M 5000 $\mu\text{S}/\text{cm}$ solution, 250 mL

HI 7039L 5000 $\mu\text{S}/\text{cm}$ solution, 500 mL

HI 70442P 1500 ppm solution, 20 mL sachet (25 pcs)

HI 70442M 1500 ppm solution, 250 mL

HI 70442L 1500 ppm solution, 500 mL