

HI 983303 • HI 983306 • HI 983307 • HI 983308 • HI 983309

## EC/TDS Meters

- Water resistant
- Continuous EC and TDS monitoring
- Visual LED alarms

These water resistant conductivity/TDS meters are the result of customer requests for accurate, affordable process monitoring with low maintenance.

Five different models are available to cover all applications. Each meter is supplied with a direct 2-pin probe and 2 m (6.6') cable with a ½" thread for flow-thru mounting. The probe has a temperature sensor to automatically compensate against temperature changes from 5 to 50°C (41 to 122°F) with a  $\beta$  of 2% per degree.

In the measurement mode, a red LED will warn the user in the event the reading is outside of the alarm interval. A front trimmer allows manual calibration at 1 point. The electrical circuitry is tightly sealed inside the water resistant enclosure. EC and TDS can be installed anywhere quickly and easily with the casings molded eye. The casing has been specially designed to sit out of the way and will not roll off a table. The 12 VDC power supply allows continuous monitoring over extended periods of time.



SPECIFICATIONS	HI 983303	HI 983306	HI 983307	HI 983308	HI 983309
Range	0 to 1990 $\mu$ S/cm	0 to 1990 mg/L (ppm)	0.00 to 9.99 mS/cm	0.00 to 9.99 g/L (ppt)	0 to 999 ppm (mg/L)
Resolution	10 $\mu$ S/cm	10 mg/L (ppm)	0.01 mS/cm	0.01 g/L (ppt)	1 ppm (mg/L)
Accuracy (@20°C/68°F)	±2% F. S.				
Calibration	manual, one point, through trimmer				
Calibration Solution	HI 70031	HI 70032	HI 70039	HI 70038	HI 70080
Temperature Compensation	automatic, 5 to 50°C (41 to 122°F) with $\beta$ =2%				
TDS Factor	–	0.5	–	0.5	0.5
Set point	200 to 1600 $\mu$ S/cm	200 to 1600 ppm	0.70 to 3.50 mS/cm	0.70 to 3.50 g/L (ppt)	0 to 150 ppm (mg/L)
Alarm	red LED blinks when measured value differs from set point more than:				
	100 $\mu$ S/cm	±100 mg/L (ppm)	±0.20 mS/cm	±0.20 g/L (ppt)	over setpoint
Probe (included)	HI 7634/2	HI 7634/2	HI 7632/2	HI 7632/2	HI 7634/2
	all probes are provided with 2 m (6.6') cable and ½" thread for in-line installation				
Power supply	12 VDC adapter (included)				
Environment	0 to 50°C (32 to 122°F); RH max 100%				
Dimensions	86 x 110 x 43 mm (3.4 x 4.3 x 1.7")				
Weight	215 g (7.6 oz.)				

### ORDERING INFORMATION

HI 983303-01 (115V), HI 983303-02 (230V), HI 983306-01 (115V), HI 983306-02 (230V), HI 983309-01 (115V) and HI 983309-02 (230V) are supplied with HI 7634/2 EC/TDS probe, calibration screwdriver, 12 VDC adapter and instructions.

HI 983307-01 (115V), HI 983307-02 (230V), HI 983308-01 (115V) and HI 983308-02 (230V) are supplied with HI 7632/2 EC/TDS probe, calibration screwdriver, 12 VDC adapter and instructions.

### SOLUTIONS

HI 70031P	1413 $\mu$ S/cm calibration solution, 20 mL sachets (25)
HI 70032P	1382 mg/L (ppm) calibration solution, 20 mL sachets (25)
HI 70039P	5.00 mS/cm calibration solution, 20 mL sachets (25)
HI 70038P	6.44 g/L (ppt) calibration solution, 20 mL sachets (25)
HI 70080P	800 mg/L (ppm) calibration solution, 20 mL sachets (25)

For a complete list of Solutions, see the end of Conductivity Section 6.