

HI 9032

Measure Conductivity, TDS, Temperature, Sea Water & Fertilizer Concentration with a New Platinum Probe!

HI 9032 is the most technologically advanced bench-top conductivity meter on the market. In addition to the wide range of conductivity, this meter will measure fertilizer concentration, sea water percentage, Total Dissolved Solids concentration and temperature.

HI 9032 is essentially 5 meters in 1.

Conductivity Range: 4 different ranges: 0.0 to 399.9 $\mu\text{S/cm}$, 399 to 3999 $\mu\text{S/cm}$, 3.99 to 39.99 mS/cm , 39.9 to 99.9 mS/cm . Independent calibration with auto-buffer recognition (84, 1413, 12880, 80000 $\mu\text{S/cm}$). The temperature coefficient is user selectable from 0.0 to 3.0% per degree Celsius.

Fertilizer Concentration: Two different ranges; **F1** for 1 type of fertilizer, and **F2** for another. The range is 0.00

to 39.99 g/L (ppt). **F1** and **F2** can be calibrated differently and the meter will memorize the data. This allows testing between samples, without recalibration.

Sea Water Percentage: The range is from 0.0 to 130.0%. This range can be standardized to 100% with any sea water solution.

Total Dissolved Solids: TDS factor can be adjusted from 0.01 to 0.99. TDS ranges are: 0.0 to 199.9 mg/L (ppm), 0 to 1999 mg/L, and 0.00 to 19.99 g/L (ppt).

An **RS232** serial port is built into the meter for interfacing with a computer and data transfer. **HI 9032** has six memorized programs to meet application needs and uses the new **platinum** 4-ring probe for a more accurate and stable measurement.

• Platinum Probe

The new 4-ring platinum probe with glass sleeve is easier to clean, more stable and stands up to higher temperatures.

• Automatic Buffer Recognition

HI 9032 will automatically recognize buffers 80 mS/cm , 12.88 mS/cm , 84 $\mu\text{S/cm}$ and 1413 $\mu\text{S/cm}$.

• Temperature & Conductivity Display

The large Liquid Crystal Display will simultaneously show temperature and conductivity.

• RS232 Port

Serial interface through the meter's RS232 port will allow data transfer to a PC.

SPECIFICATIONS

		HI 9032
RANGE	CONDUCTIVITY	0.0 to 399.9 / 399 to 3999 $\mu\text{S/cm}$; 3.99 to 39.99 / 39.9 to 99.9 mS/cm
	FERTILIZER	0.00 to 39.99 g/L
	NaCl	0.0 to 130.0%
	TDS	0.0 to 199.9 / 0 to 1999 mg/L (ppm); 0.00 to 19.99 g/L (ppt)
	TEMPERATURE	0.0 to 50.0°C / 32.0 to 122.0°F
RESOLUTION	CONDUCTIVITY	0.1 $\mu\text{S/cm}$; 1 $\mu\text{S/cm}$; 0.01 mS/cm ; 0.1 mS/cm
	FERTILIZER	0.01 g/L (ppt)
	NaCl	0.1%
	TDS	0.1 mg/L (ppm); 1 mg/L (ppm); 0.01 g/L
	TEMPERATURE	0.1°C; 0.1°F
ACCURACY (@20°C/68°F)		$\pm 1\%$ Full Scale each range; $\pm 0.5^\circ\text{C}$; $\pm 1^\circ\text{F}$ (excluding probe error)
TYPICAL EMC DEVIATION		$\pm 1\%$ Full Scale each range; $\pm 0.1^\circ\text{C}$; $\pm 0.2^\circ\text{F}$
CALIBRATION		Automatic single point at 84, 1413, 12880, 80000 $\mu\text{S/cm}$
TEMPERATURE COMPENSATION		Automatic or manual from 0 to 50°C (32 to 122°F) with an adjustable β from 0.0 to 3.0% per degree °C and TDS factor from 0.01 to 0.99
PROBES		HI 7686 platinum conductivity probe with 1 m (3.3') cable (included) HI 7669/2W temperature probe with 1 m (3.3') cable (included)
POWER SUPPLY		12VDC adapter (included)
ENVIRONMENT		0 to 50°C (32 to 122°F); RH 95%
DIMENSIONS		230 x 170 x 70 mm (9.1 x 6.7 x 2.7")
WEIGHT		1.5 kg (3.3 lb.)

HOW TO ORDER

HI 9032 is supplied complete with **HI 7669/2W** temp. probe with 1 m (3.3') cable, **HI 7686** 4-ring **platinum** conductivity probe with 1 m (3.3') cable, 12 VDC adapter, **HI 76405** electrode holder and dust cover

ACCESSORIES

HI 7030L	12880 $\mu\text{S/cm}$ calibration sol. (460 mL)
HI 7031L	1413 $\mu\text{S/cm}$ calibration sol. (460 mL)
HI 7033L	84 $\mu\text{S/cm}$ calibration sol. (460 mL)
HI 7034L	80000 $\mu\text{S/cm}$ calibration sol. (460 mL)
HI 710005	110V to 12VDC adapter
HI 710006	220V to 12VDC adapter
HI 76405	Probe holder

HI 7686	New platinum conductivity probe
HI 920010	Connection cable for PC (9-pin)
HI 92000	Windows® compatible software

For a complete range of conductivity and TDS calibration solutions see pages H34-H35.

For a comprehensive list of accessories see section R.

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