

HI98325

## Low and High Range Salinity Tester

- Waterproof
- Automatic temperature compensation (ATC)
- Dual pin graphite EC probe

The HI98325 is a compact, pocket-sized, salinity tester designed to measure salinity levels in irrigation water.

This waterproof tester is the ideal tool in agricultural areas such as coffee farms, orange farms, watermelon farms, tea and rice farms where level salinity values are vital to crop management. Additionally, the HI98325 is useful in industries such as printing, textiles, food and beverage as well as research and environmental protection institutes where low level salinity values are needed.

HI98325 features amperometric graphite electrodes that provide improved repeatability in measurements as the pins do not oxidize. Additionally, this tester offers an exposed temperature sensor for faster response times and automatic single-point calibration.

Salinity results are displayed in either parts per (g/L), Practical Salinity Units (PSU), or Specific Gravity (S.G.).



### Exposed temperature sensor for faster response times



### Watertight seal

An easily removable cover provides access to the battery compartment.



### Water salinity classes based on salinity levels

Non-saline	< 0.75 mg/L	
Moderately saline	0.75 to 1.5 mg/L	affects crop productivity of salt-sensitive trees
Highly saline	1.5 to 3.5 mg/L	affects most trees
Severely saline	3.5 to 6.5 mg/L	affects salt-tolerant trees

### Specifications

		HI98325	
		Low Range	High Range
ppt (g/L)	Range	0.00 to 10.00	0.0 to 70.0
	Resolution	0.01	0.1
	Accuracy	±2.0 ppt	±1.0 (0.0 to 40.0); ±2.0 (40.0 to 70.0)
PSU	Range	0.00 to 10.00	0.0 to 70.0
	Resolution	0.01	0.1
	Accuracy	±2.0 ppt	±1.0 (0.0 to 40.0); ±2.0 (40.0 to 70.0)
S.G. (Specific gravity)	Range	1.000 to 1.007	1.000 to 1.041
	Resolution	0.001	0.001
	Accuracy	±0.001	±0.001
Temperature	Range	0.0 to 50.0 °C (32.0 to 122.0 °F)	
	Resolution	0.1 °C / 0.1 °F	
	Accuracy	±0.5 °C / ±1.0 °F	
Method	ppt	International Oceanographic Tables, 1966	
	PSU	Standard Methods for the Examination of Water and Wastewater, 2520 B, Electrical Conductivity Method	
	S.G.	Standard Methods for the Examination of Water and Wastewater, 2520 C, Density Method	
Additional Specifications	Calibration Solution	HI70023 (5.00 ppt); HI70024 (35.00 ppt)	
	Calibration	automatic, single point (5.00 or 35.00 ppt)	
	Temperature Compensation	automatic from 5.0 to 50.0 °C (41.0 to 122.0 °F)	
	Battery type	CR2032 3V Lithium-ion	
	Battery life	approximately 100 hours of continuous use	
	Auto-off	user selectable: after 8 min., 60 min., or disabled	
	Environment	0 to 50 °C (32 °C to 122 °F); RH max 100%	
	Dimensions	160 x 40 x 17 mm (6.3 x 1.6 x 0.7")	
Weight	68 g (2.4 oz.) without battery		
Ordering Information	<b>HI98325</b> is supplied with 5.00 ppt salinity calibration standard solution, 20 mL sachet (2 pcs.), 35.00 ppt salinity calibration standard solution, 20 mL sachet (2 pcs.), 3V Lithium battery - CR2032, installed (1 pc.), storage / protection sleeve, instruction manual, and instrument quality certificate.		