



HI98319

Low and High Range Salinity Tester

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

The HI98319 is a compact, waterproof, pocket-sized marine Salinity tester designed for the measurement of salinity in salt water aquariums, aquaculture, brackish water, or other salt-water bodies.

HI98319 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 thousand (ppt), 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.



Supplied in a carrying case with calibration solutions.

Specifications		HI98319		
		Low Range	High Range	Auto (default)
ppt (g/L)	Range	0.00 to 10.00	0.0 to 70.0	0.00 to 9.99 10.0 to 70.0
	Resolution	0.01	0.1	0.01 / 0.1
	Accuracy	±0.20	±1.0 (0.0 to 40.0) ±2.0 (40.0 to 70.0)	±0.20 (0.00 to 9.99) ±1.0 (10.0 to 40.0) ±2.0 (40.0 to 70.0)
PSU	Range	0.00 to 10.00	0.0 to 70.0	0.00 to 9.99 10.0 to 70.0
	Resolution	0.01	0.1	0.01 / 0.1
	Accuracy	±0.20	±1.0 (0.0 to 40.0) ±2.0 (40.0 to 70.0)	±0.20 (0.00 to 9.99) ±1.0 (10.0 to 40.0) ±2.0 (40.0 to 70.0)
S.G. (Specific gravity)	Range	1.000 - 1.007	1.000 to 1.041	1.000 to 1.041
	Resolution	0.001	0.001	0.001
	Accuracy	±0.001	±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, one or two-point calibration at 5.00 ppt 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 × 40 × 17 mm (6.3 × 1.6 × 0.7")		
	Weight	68 g (2.4 oz.), without battery		
Ordering Information	HI98319 is supplied with 5.00 ppt salinity calibration standard, 20 mL (2 pcs.), 35.00 ppt salinity calibration standard, 20 mL (2 pcs.), 3V Lithium battery - CR2032, installed (1 pc.), storage / protection sleeve, instrument quality certificate, and instruction manual.			