

HI931100 • HI931101

Sodium Chloride and Sodium Content Meters

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HI931100 is an ion-selective sodium chloride meter that uses a sodium ion-selective electrode to measure the salinity (NaCl) content of a solution. This powerful instrument has four ranges, capable of measuring concentrations from 0.150 g/L to 300 g/L NaCl. HI931100 auto ranges from sample to sample over an extremely broad range without the need for recalibration.

The HI931101 measures sodium from ions 15.0 mg/L to 60 g/L.

Both the HI931100 and the HI931101 use the FC300B combination sodium electrode (not included). The calibration process is automatic at two points, the first at 2.3 g/L while the second can be either at 0.23 g/L (low range) or at 23.0 g/L (high range).

A separate temperature probe, HI7662 provides temperature readings from -20 to 120°C.



Specifications

	HI931100	HI931101	
NaCl	Range	0.150 to 1.500 g/L NaCl; 1.50 to 15.00 g/L NaCl; 15.0 to 150.0 g/L NaCl; 150 to 300 g/L NaCl	0.00 to 3.00 pNa; 15.0 to 150.0 mg/L (ppm) Na; 0.150 to 1.500 g/L Na; 1.50 to 15.00 g/L Na; 15.0 to 60.0 g/L Na
	Resolution	0.001 g/L NaCl; 0.01 g/L NaCl; 0.1 g/L NaCl; 1 g/L NaCl	0.01 pNa; 0.1 mg/L Na; 0.001 g/L Na; 0.01 g/L Na; 0.1 g/L Na
	Accuracy (@25°C/77°F)	±5% of reading (NaCl)	±0.05 pNa; ±5% of reading (Na)
Temperature	Range	-20.0 to 120.0°C (-4.0 to 248.0°F)	-20.0 to 120.0°C (-4.0 to 248.0°F)
	Resolution	0.1°C (0.1°F)	0.1°C (0.1°F)
	Accuracy (@25°C/77°F)	±0.2°C (±0.4°F) (excluding probe error)	±0.2°C (±0.4°F) (excluding probe error)
Additional Specifications	Calibration	automatic, one or two point at 0.30 g/L (ppt)(HI7085); 3.00 g/L (HI7083); 30.0 g/L (HI7081)	automatic, one or two point at 0.23 g/L (HI7087/HI8087) 2.3 g/L (HI7080/HI8080) 23.0 g/L (HI7086/HI8086)
	Temperature Compensation	fixed at 25°C (77°F)	
	Electrode	FC300B glass body sodium ion-selective electrode with BNC connector and 1 m (3.3') cable (not included)	
	Temperature Probe	HI7662 stainless steel temperature probe with 1 m (3.3') cable (not included)	
	Input Impedance	10 ¹² ohm	
	Battery Type / Life	1.5V AAA (3) / approx. 200 hours of continuous use	
	Environment	0 to 50°C (32 to 122°F); RH max 100%	
	Dimensions	185 x 72 x 36 mm (7.3 x 2.8 x 1.4")	
Weight	300 g (10.6 oz.)		

Ordering Information

HI931100 and **HI931101** and are supplied with batteries, instructions and hard carrying case.

ISE electrodes and solutions begin on page 4.22