HI931102

HACCP Compliant Salinity Foodcare Meter

- Help features
  - Tutorial messages on LCD
- Backlight
  - Dual-level LCD

Hanna has designed this waterproof salinity meter for use in food production.

The HI931102 is an ion-selective meter that uses a sodium ion-selective electrode to measure the sodium content of a solution and report it as g/L NaCl or percent NaCl. This powerful instrument has four ranges, capable of measuring concentrations from 0.150 g/L to 300 g/L. This meter is able to auto-range from sample to sample over an extremely broad range without the need for recalibration.

The HI931102 uses the FC300B combination sodium ISE to measure sodium readings from 0.150 g/L to 300 g/L. The calibration process is automatic at two points, the first is at 3.00 g/L while the second can be either at 0.30 g/L (low range) or at 30.0 g/L (high range).

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

Specifications		HI931102
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; 0.0 to 30.0 % NaCl
	Resolution	0.001 g/L NaCl; 0.01 g/L NaCl; 0.1 g/L NaCl; 1 g/L NaCl; 0.1 % NaCl
	Accuracy (@25°C/77°F)	±5% of reading
Temperature	Range	-20.0 to 120.0°C (-4.0 to 248.0°F)
	Resolution	0.1°C (0.1°F)
	Accuracy (@25°C/77°F)	±0.2°C (±0.4°F) (excluding probe error)
Additional Information	Calibration	automatic, one or two point at 0.30 g/L (HI7085) 3.00 g/L (HI7083) 30.0 g/L (HI7081)
	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	**HI931102** is supplied with batteries, instructions and hard carrying case.	

ISE electrodes and solutions begin on page 4.22