

HI98402

Fluoride Meter

- **ATC**
 - Automatic Temperature Compensation
- **Waterproof**
 - Waterproof, rugged housing for both indoor and outdoor applications
- **Help features**
 - Tutorial messages on LCD display

The HI98402 measures fluoride from 0.05 mg/L to 1.9 g/L in five distinct ranges. The HI98402 utilizes an auto-ranging feature which automatically selects the range that provides the best resolution.

The HI98402 automatically compensates for temperature from -5 to 55°C using the optional HI7662 stainless steel temperature probe. Both the temperature and fluoride concentrations are displayed on the large LCD.

Calibration is automatic at one or two points. The calibration points can be chosen among 1 mg/L, 2 mg/L, 10 mg/L, 100 mg/L and 1000 mg/L.

The HI98402 is supplied in a rugged carrying case complete with batteries that provide up to 200 hours of continuous operation.



Specifications

HI98402

Fluoride	Range	0.050 to 0.500 mg/L (ppm); 0.50 to 5.00 mg/L (ppt) 5.0 to 50.0 mg/L; 50 to 500 mg/L; 0.50 to 1.90 g/L (ppt)
	Resolution	0.001 mg/L (ppm); 0.01 mg/L; 0.1 mg/L; 1 mg/L; 0.01 g/L
	Accuracy	±5% of reading or ±0.02 mg/L (ppm) fluoride (with ±3°C from calibration temperature)
Temperature	Range*	-20.0 to 120.0°C (-4.0 to 248.0°F)
	Resolution	0.1°C (0.1°F)
	Accuracy	±0.2°C (±0.4°F) excluding probe error
Additional Specifications	Calibration	automatic from one or two point at 1 mg/L, 2 mg/L, 10 mg/L, 100 mg/L and 1000 mg/L
	Temperature Compensation	automatic, -5 to 55°C (with temperature probe)
	Electrodes	HI4010 fluoride electrode with BNC connector and 1 m (3.3') cable (not included) HI5313 reference electrode with 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) / approximately 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	HI98402 is supplied with batteries, rugged carrying case and instructions.	

* Will be reduced to actual sensor limits.

ISE electrodes and solutions begin on page 3.22

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portable

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