

HI 98402

# Fluoride Meter

- Tutorial messages on LCD display
- Direct measurements in mg/L or g/L
- Waterproof, rugged housing for indoor/outdoor applications
- Extensive fluoride scale
- Automatic Temperature Compensation

HI 98402 measures fluoride from 0.05 mg/L to 1.9 g/L in 5 distinct scales. The HI 98402 utilizes an auto-ranging feature which automatically selects the range that provides the best resolution.

HI 98402 automatically compensates for temperature from -5 to 55°C using the optional HI 7662 stainless steel temperature probe. Both the temperature measured together with fluoride concentrations are displayed on the large LCD.

Calibration is automatic at 1 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.

HI 98402 is supplied in a rugged carrying case complete with batteries that provide up to 200 hours of continuous operation.



## ORDERING INFORMATION

HI 98402 is supplied with batteries, rugged carrying case and instructions.

## ELECTRODES

HI 4010	Fluoride electrode with BNC connector and 1 m (3.3') cable
HI 5313	Reference electrode with BNC connector and 1 m (3.3') cable
HI 7662	Stainless steel temperature probe with 1 m (3.3') cable

## SOLUTIONS

HI 4010-01	0.1 M fluoride solution, 500 mL
HI 4010-02	100 ppm fluoride solution, 500 mL
HI 4010-03	1000 ppm fluoride solution, 500 mL
HI 4010-30	Fluoride solution kit including HI 4010-00, HI 4010-10 and HI 4010-11, 500 mL (4 each)
HI 4010-11	1 mg/L (ppm) mixed with TISAB II fluoride solution, 500 mL
HI 4010-12	2 mg/L (ppm) mixed with TISAB II fluoride solution, 500 mL
HI 4010-10	10 mg/L (ppm) mixed with TISAB II fluoride solution, 500 mL
HI 4010-00	TISAB II fluoride solution, 500 mL
HI 4010-05	TISAB II fluoride solution, 1 gallon

## SPECIFICATIONS

## HI 98402

		HI 98402
Range	Fluoride	0.050 to 0.500 mg/L (ppm); 0.50 to 5.00 mg/L; 5.0 to 50.0 mg/L; 50 to 500 mg/L; 0.50 to 1.90 g/L
	Temperature	-20.0 to 120.0°C (-4.0 to 248.0°F)
Resolution	Fluoride	0.001 mg/L (ppm); 0.01 mg/L; 0.1 mg/L; 1 mg/L; 0.01 g/L
	Temperature	0.1°C (0.1°F)
Accuracy	Fluoride	±5% of reading or ±0.02 mg/L (ppm) fluoride (with ±3°C from calibration temperature)
	Temperature	±0.2°C (±0.4°F) excluding probe error
Calibration		automatic, 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		HI 4010 fluoride electrode with BNC connector and 1 m (3.3') cable (not included) HI 5313 reference electrode with 1 m (3.3') cable (not included)
Temperature Probe		HI 7662 stainless steel temperature probe with 1 m (3.3') cable (not included)
Input Impedance		10 <sup>12</sup> 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.)