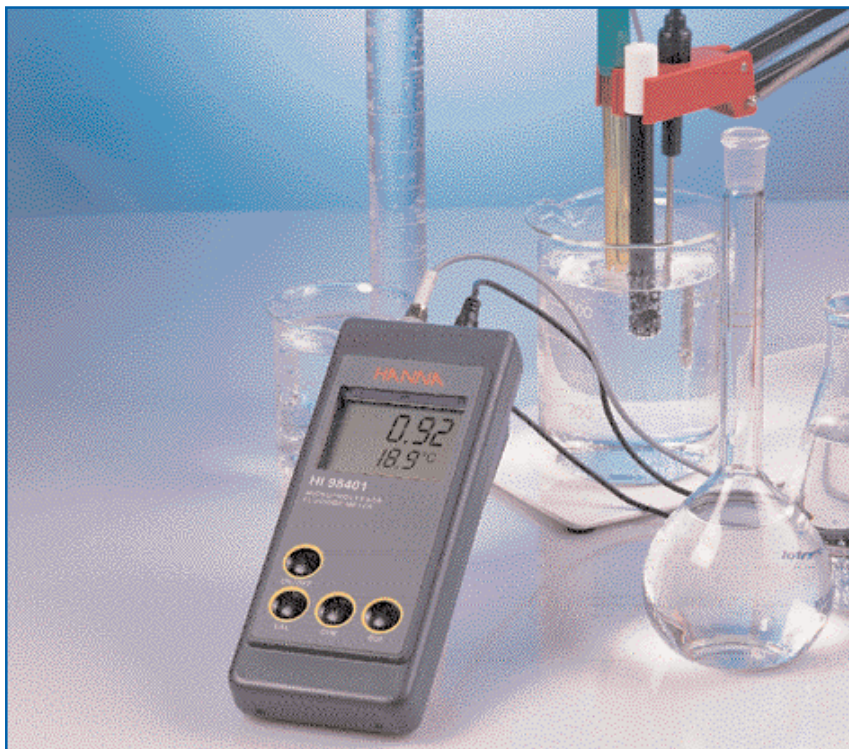




Waterproof and Accurate Fluoride Meter with an Extended Range



The HI 98401 measures fluoride from minute traces to heavy presence. The measurement range spans from 0.05 mg/L to 1.9 g/L in 5 distinct scales to provide the best resolution in every division. In addition, with auto-ranging, HI 98401 automatically selects the range that provides the best resolution. All results are displayed directly in fluoride (F⁻) concentration.

In order to guarantee maximum repeatability, the measurements are performed utilizing the FC 301B fluoride specific electrode and the separate HI 5313 reference electrode.

HI 98401 compensates for the temperature automatically from 5 to 35°C using the HI 7662 stainless steel temperature probe. The temperature measured together with fluoride concentrations are displayed on the large LCD simultaneously.

All operations are microprocessor controlled for added precision and simplicity. Calibration is automatic at one or two points. The first calibration point is in the middle of the range at 100 mg/L (ppm). The slope can then be selected at 10 mg/L for low fluoride measurements or at 1000 mg/L for higher concentrations.

Specifications

HI 98401		
Range	Fluoride	0.050 to 0.500 mg/L; 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	0.0 to 50.0°C
Resolution	Fluoride	0.001/0.01/0.1/1 mg/L; 0.01 g/L;
	Temperature	0.1°C
Accuracy	Fluoride	±5% or ±0.02 mg/L (within ±3°C from calibration temperature);
	Temperature	±0.5°C
Calibration		automatic, 1 or 2 point at 100 mg/L and 10.0 mg/L or 1.00 g/L
Temperature Compensation		automatic, 5 to 35°C (with temperature probe)
Electrodes		FC 301B fluoride electrode with BNC connector and 1 m (3.3') cable; HI 5313 reference electrode with 1 m (3.3') cable (not included)
Temperature Probe		HI 7662 with 1 m (3.3') cable (not included)
Input Impedance		10 ¹² Ohm
Battery Type / Life		4 x 1.5V AA / approx. 120 hours of continuous use
Environment		0 to 50°C (32 to 122°F); RH max 100%
Dimensions / Weight		196 x 80 x 60 mm (7.7 x 3.1 x 2.4") / 500 g (1.1 lb.)

Accessories

FC 301B	Fluoride electrode	HI 70701L	1 g/L fluoride solution, 500 mL bottle
HI 5313	Reference electrode	HI 70701M	1 g/L fluoride solution, 230 mL bottle
HI 7662	Temperature probe	HI 70702/1L	10 mg/L fluoride solution, 1 L bottle
HI 76405	Electrode holder	HI 70702L	10 mg/L fluoride solution, 500 mL
HI 721317	Rugged carrying case	HI 70702M	10 mg/L fluoride solution, 230 mL
HI 7023/1L	TISAB fluoride solution, 1 L bottle	HI 70703/1L	100 mg/L fluoride solution, 1 L bottle
HI 7023L	TISAB fluoride solution, 500 mL bottle	HI 70703L	100 mg/L fluoride solution, 500 mL
HI 70701/1L	1 g/L fluoride solution, 1 L bottle	HI 70703M	100 mg/L fluoride solution, 230 mL

For a complete range of calibration, cleaning and maintenance solutions, see section F. For electrodes, see section E. For accessories, see section U.

Ordering Information

HI 98401 is supplied complete with batteries, rugged carrying case and instructions.