



## 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)<br>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<br>(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)<br>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 <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.)  |   |
| <b>Ordering Information</b> | <b>HI98402</b> is supplied with batteries, rugged carrying case and instructions. |   |

\* Will be reduced by actual sensor limits.

ISE electrodes and solutions begin on page 4.22