

The World's First Pocket-Sized Fluoride Ion Meter

LAQUAtwin F-11



Be a part of history with the world's first and only pocket-sized fluoride ion meter.

- **Micro-Sample Measurement Capabilities:** Accepts samples as small as 0.3ml (or 0.1ml with a sampling sheet) and delivers results in seconds.
- **Extensive Measurement Range:** Covers 0.1 to 990 ppm or mg/L fluoride ion readings.
- **Unmatched Accuracy:** Ensures reliable results with an accuracy of $\pm 2\%$ of the actual value.
- **Convenient Two-Point Auto Calibration:** Automatically recognizes and calibrates 1 ppm and 10 ppm fluoride ion standard solutions included in the kit. Customize calibration using other standard solutions.
- **Multiplying Compensation Function:** Considering sample dilution in the reading, the meter calculates the correct concentration.
- **Auto Stable & Auto Hold Measurement Modes:** Displays ☺ indicator for stable readings and can freeze the reading.
- **Temperature Compensation & Calibration:** Displays temperature up to 50.0°C and allows for temperature compensation as well as correction through its calibration function.
- **IP67 Rating:** Waterproof and dustproof meter with digital LCD and backlit display
- **Replaceable sensor:** Features a miniaturized lanthanum trifluoride crystal.
- **Complete Package for On-the-Go Fluoride Ion Testing:** Comes with 1ppm and 10ppm fluoride ion standard solutions (14ml each), TISAB solution (14ml), 5-ml plastic beaker, CR2032 batteries (2pcs), syringe, and 5 sampling sheets



APPLICATIONS



Drinking Water Monitoring



Water / Wastewater Treatment



Dental Care Products QC



Industrial Processes



Environmental Monitoring



Food & Beverage

SPECIFICATIONS

Model	LAQUAtwin F-11
Part No.	3200934412
Measurement Principle	Ion selective electrode
Min. Sample	0.3ml (0.1ml with Sampling Sheet B)
Measurement Range	0.1 to 990 ppm (mg/L) F ⁻
Resolution	0.1 to 9.9 ppm: 0.1 ppm, 10 to 99 ppm: 1 ppm, 100 to 990 ppm: 10 ppm
Accuracy	± 2% of actual value
Max. Calibration Points	2
Temperature Display / Resolution	0 to 50.0 °C / 0.1 °C
Functions	Auto Standard Recognition Changeable Auto Calibration Values Multiplying Compensation (0.01 to 9.90) Temperature Compensation Temperature Calibration Auto Hold / Auto Stable Measurement Automatic Power Off (30 mins.) Low Battery Indicator
Display	Custom digital LCD with backlight
Operating Temperature / Humidity	5 – 40 °C, ≤ 85% relative humidity (no condensation)
Battery Life	Approx. 400 hrs. continuous use (without backlight)
Materials	ABS epoxy body / LaF ₃ crystal sensor
Dimensions	164 x 29 x 20 mm (excluding projections)
Mass	Approx. 55g (including sensor and batteries)



S060-F
Fluoride Ion Sensor



514-F-1
1ppm Fluoride Ion Standard Solution



514-F-10
10ppm Fluoride Ion Standard Solution



514-F-TISAB
TISAB Solution

ORDERING INFORMATION

Part No.	Description
3200934412	LAQUAtwin F-11 Fluoride Ion Pocket Meter
3200934450	S060-F Fluoride Ion Sensor
3200991628	514-F-1 1ppm Fluoride Ion Standard Solution (6 x 14-ml)
3200991630	514-F-10 10ppm Fluoride Ion Standard Solution (6 x 14-ml)
3200991632	514-F-TISAB TISAB Solution (6 x 14-ml)



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