

LAQUA twin F-11

Fluoride ion selective pocket meter

HORIBA introduces the world's **first** and **only** Fluoride pocket meter!

With a track record of 75 years of electro chemistry engineering, HORIBA has reached a new milestone with the introduction on the world's first and only flat sensor ion selective **Fluoride pocket meter**.

Features:

- Onsite, simple, easy, and fast Fluoride measurement.
- Wide measurement range of 0.1 to 990 mg/L (ppm).
- Small, 0.3ml, sample volume required.
- Measurement results within seconds.
- Simple 2-point calibration.
- High 2% accuracy.
- Replaceable sensor.
- IP67 – waterproof.
- Backlit display.



Functions:

- **Selectable unit of measurement (mg/L, ppm).**
Choose the unit that best matches your application and standard.
- **Changeable low and high calibration points**
Select any calibration standard with 10 decades between.
- **Auto Stable / Auto Hold**
Measurement will freeze once stable (Auto Stable) or freeze and hold
- **Auto power off (30 minutes)**
Save your energy and the planet. The instrument switches off after 30 minutes.
- **Low battery indicator**
Indicator will light up when it is time to switch to new batteries.
- **Multiplying compensation**
Input your standard deviation to automatically compensate for this.
- **Stability indicator**
A smiley ☺ appears when the measurement or calibration is stable.



Calibration

The instrument is supplied with two calibration solutions (1 and 10 ppm) and one bottle of TISAB.



User Replaceable Sensor

The replacement of the LAQUAtwin sensor is easily done. No tools needed.



Protective cover

The sensor cover provides protection against impact, reduces external interferences and acts as a light shield, improving the accuracy.



Applications:

- Semiconductor industry
- Pharmaceutical industry
- Boiler feed water
- Drinking water
- General laboratory
- Food and beverage
- Many more

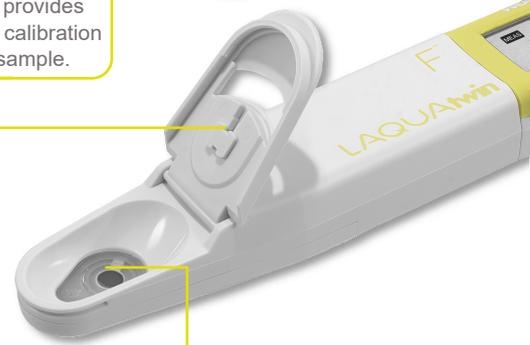
Slide open

Opening the cover enables scooping up samples from difficult to reach places. The sample will be kept in the sensor.



Flip open

Fully opening the cover provides easy access for cleaning, calibration and placement of the sample.



Order Information

Part number	Model	Description
3200934412	LAQUAtwin F-11	LAQUAtwin F-11, Fluoride pocket meter
3200934450	S060-F	Replacement Fluoride (F) sensor for F-11
3200991628	514-F-1	F Standard solution 1 ppm, 6 x 14 ml
3200991630	514-F-10	F Standard solution 10 ppm, 6 x 14 ml
3200991632	514-F-TISAB	TISAB solution, 6 x 14 ml

Specifications

Model	LAQUAtwin-F-11
Part Number	3200934412
Measurement principle	Ion Selective Electrode method
Minimum sample volume	Minimum 0.3 mL
Measurement range (F -)	0.1 to 990 ppm (mg/L)
Resolution	< 9.9 ppm: 0.1 ppm / 10 to 99 ppm: 1 ppm / >100 ppm: 10 ppm
Calibration	Up to 2 points (Default setting: 1 & 10 ppm)
Standard solution	F-: 1 ppm, 10 ppm, TISAB
Accuracy	±2% of reading value
Waterproof	IP67 Waterproof
ATC	Yes
Temperature display	Yes
Temperature display range	0 to 50 °C
Temperature resolution	0.1 °C
Temperature accuracy	±2 °C
Temperature Calibration	Yes, offset of ±2 °C
Operating temperature/humidity	5 °C to 40 °C, 85% relative humidity max. (no condensation)
Display	Custom (monochrome) digital LCD with backlight
Power	CR2032 batteries (x2)
Battery life	Approx. 400 hours continuous operation (no backlight)
Material	ABS epoxy (main material)
Dimensions meter	164 mm x 29 mm x 20 mm (excluding projections)
Dimensions boxed	182 mm x 143 mm x 34 mm
Weight	Approx. 55gr

Flat sensor technology

HORIBA's unique flat sensor technology allows easy cleaning of the sensor and makes it possible to measure samples down to 0.3 ml.

Packing

The instruments is supplied with all parts needed to start immediate measurement. The small plastic case keeps everything together and safe.



Other LAQUAtwin Instruments



HORIBA UK Limited

Kyoto Close, Moulton Park | Northampton NN3 6FL | United Kingdom | Phone: +44 (0)1604 542 500 | e-mail: waterquality@horiba.com | www.horiba-laqua.com

