

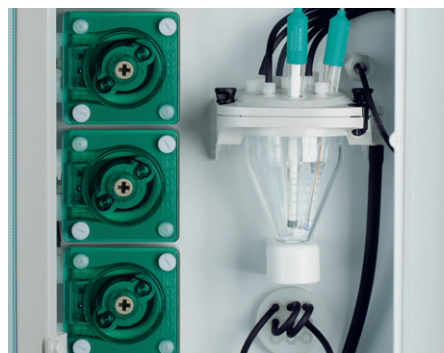


2026 Fluoride Analyzer from Metrohm Process Analytics

Better value in a smaller footprint

HIGHLIGHTS

- Fluoride can be measured in 1 or 2 sample streams
- Compact footprint for tight industrial spaces: 326 x 273 mm
- Safe, rugged enclosure designed to IP66 specifications is ideal for process environments
- A 7" full color touchscreen shows trend graphs and allows action modifications
- Remote access and control via Ethernet and Modbus TCP/IP, with USB for data export
- Easy maintenance due to simplicity of the layout
- Automatic data and/or alarm transfer to a DCS system



Powerful and compact single method online analyzer

Fluoride (F⁻) is a mineral that can be easily found in soil, air, and water. It is used in several industries for the production and treatment of hundreds of different products. Fluoride is used as a cleaning agent and etchant in surfacing industries (such as automotive, semiconductor, etc.), as well as in the production of an array of different products (e.g., fluorinated polymers). Additionally, in the water industry, fluoride is a key parameter which needs constant monitoring. In potable water plants, water is treated with fluoride as it has been shown to prevent tooth decay. However, according to the World Health Organization, there are also negative effects from over fluoride intake (e.g., dental fluorosis). Also, in wastewater treatment plants, an excess of fluoride can be detrimental to the aerobic/biological treatment processes. It is therefore subject to strict monitoring.

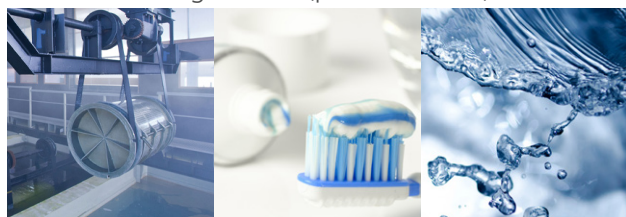
Because of its role in many different processes, it is of vital importance to closely monitor the fluoride concentration. The **2026 Fluoride Analyzer** from Metrohm Process Analytics is the most straightforward and easy-to-use tool to do so online.

About the Fluoride application

Fluoride is determined using Dynamic Standard addition (DSA) method over a defined calibration range. The detection is performed with a Metrohm Fluoride ion-selective electrode (F-ISE). The analyzer is able to handle a wide range of Fluoride concentrations, from **mg/L to %**.

Applications for Fluoride

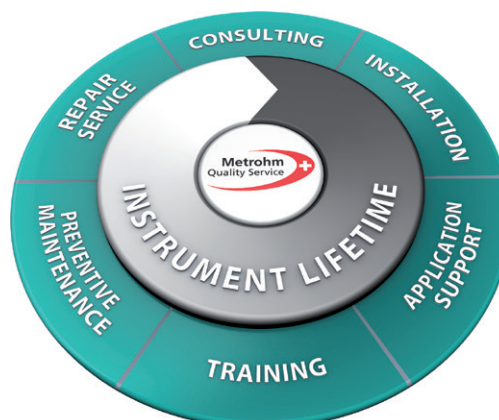
- ... in etching bath / (semiconductor)
- ... in wastewater treatment plant / (chemical)
- ... in toothpaste production / (food & beverage)
- ... in zinc - phosphating baths / (automotive)
- ... in drinking water / (potable water)



2026 Fluoride Analyzer

BENEFITS FOR ONLINE ANALYSIS

- Protect expensive company assets by monitoring your processes
- Process data available at your fingertips 24/7 means no waiting for time-consuming, manual laboratory methods
- Increased safety for employees – no manual sampling necessary, reagents kept separately
- Save money by reducing downtime: analyzer sends alarms for out-of-specification values which inform the operator sooner



For more information, visit our website: www.metrohm.com