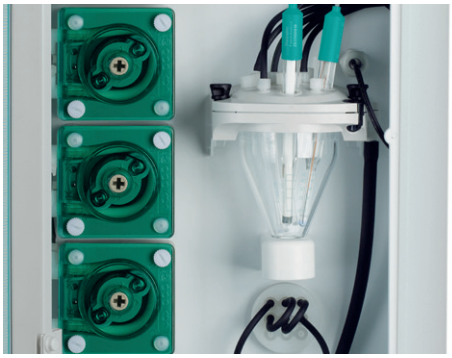
2026 Alkalinity Analyzer from Metrohm Process Analytics

Better value in a smaller footprint

HIGHLIGHTS

- Alkalinity can be measured in 1 or 2 sample streams
- Compact footprint for tight industrial spaces: 326 × 273 mm
- Safe, rugged enclosure designed to IP66 specifi cations 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



Metrohm
Process Analytics

Powerful and compact single method online analyzer

Alkalinity in water is due to the presence of compounds such as carbonates (CO_3^{-2}), bicarbonates (HCO_3^-), and hydroxides (OH^-) which raise the pH of the water and buffer it against further pH change. Alkalinity monitoring is crucial to ensure efficient and safe operations for a wide range of applications. For the control of water and wastewater treatment, variations in pH can have a dramatic impact on the correct dosage in aerobic/biological treatment process. In other industries such as power generation, online monitoring of alkalinity is crucial to indicate if there is a drop in pH, which could indicate the entry of corrosive ions in the system (e.g., lead and copper) and induce corrosion damage to various components.

Because of the pH influence of the water stream of a process, it is of vital importance to closely monitor the alkalinity on water streams. The **2026 Alkalinity Analyzer** from Metrohm Process Analytics is the most straightforward and easy-to-use tool to do so online.

About the alkalinity application

Measuring alkalinity is also known as the **P & M number**. The detection is performed by titration with a Metrohm pH electrode. The analyzer is able to handle a wide range of caustic and carbonate concentrations, from **mg/L to %**.

Applications for alkalinity

- … in drinking water / (potable water)
- … in water carbonate removal / (petrochemical)
- … in wastewater treatment plants / (environmental)
- … in boiler & cooling water / (energy/power)
- … in groundwater for beverage production / (food/beverage)

2026 Alkalinity 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