

2026 Sulfuric Acid Analyzer

From Metrohm Process Analytics

Sulfuric acid (H_2SO_4) is a basic chemical used in several industries for the production of hundreds of different products. The main uses are in production of phosphates, (phosphate) fertilizers, polymers, pigments, and the creation of other acids as well as in metal processing, semiconductors, galvanic applications, and in the refining of petrochemicals. Sulfuric acid is also known as the «King of Chemicals».

Because of its role in many different (production) processes, it is of vital importance to closely monitor the concentration. The **2026 Sulfuric Acid process analyzer** from Metrohm Process Analytics is the most straightforward and easy-to-use tool to do so online.

About the Sulfuric Acid application

Sulfuric acid is determined by titrating with sodium hydroxide (NaOH). The detection is done with a Metrohm pH glass electrode. The analyzer is able to handle a wide range of acid concentrations, from **mg/L to %**.



Benefits for online analysis

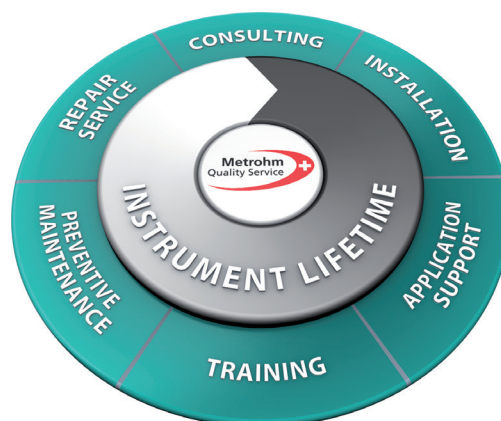
- Protect expensive company assets by monitoring your processes
- Process data available at your fingertips 24/7 means no waiting for slow, manual laboratory methods
- Increased safety for employees – no manual sampling necessary, reagents kept separately
- Save money by reducing downtime: analyzer sends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

Applications for H_2SO_4

- ... in pickling baths / (steel/galvanic/metal markets)
- ... in metal extraction and refining / (metals/mining)
- ... in phenol production / (chemical)
- ... in aluminum etching / (metals/semiconductors)
- ... in acid scrubber solutions / (chemical)
- ... in copper plating baths / (semiconductor/PCB)
- ... in nylon spin baths / (textiles)

H_2SO_4 analysis performed safely online

- Sulfuric acid (H_2SO_4) 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



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

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