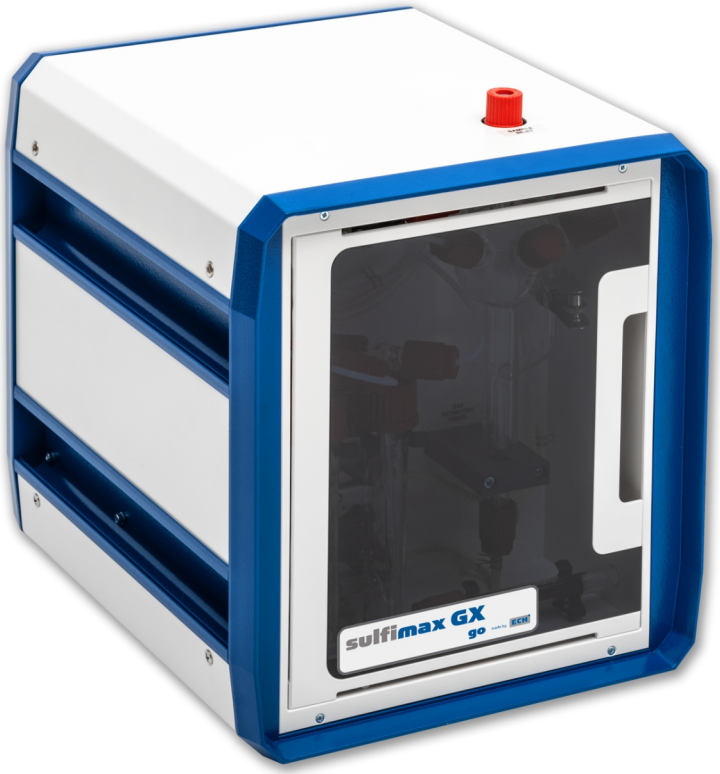
Hydrogen sulphide in liquids and gases

Conform to standard DIN 38405-27



sulfimax GX go

made by ECH

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Hydrogen sulphide in liquids and gases

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Product description

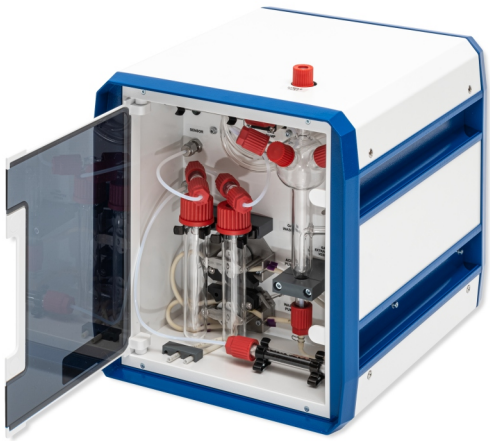
The **Sulfimax GX Go** determines hydrogen sulphide and volatile sulphides in liquids and gases.
The sample can be dispensed directly by syringe without pretreatment.
By effective gas extraction the H_2S is completely expelled from the sample.
Interferences due to the sample matrix practically do not occur.
The released H_2S gas is conducted to the highly sensitive sensor, which detects H_2S in the range of 0.01 to 10,000 ppm.
A typical measurement takes 5 min, depending on the sample composition.
If the **Sulfimax GX Go** is extended with the optionally available H_2S Headspace Module, solid and pasty samples can also be measured.

The Sulfimax GX Go fulfils the requirements of the standard DIN 38405-27: German standard methods for the examination of water, waste water and sludge - Anions (group D) - Part 27: Determination of sulphide by gas extraction method (D 27).

Sulfimax GX Go - compact version with small footprint

Applications

- Water, drinking water, surface water
- Municipal wastewater
- Industrial wastewater
- Monitoring of landfill-leachate
- Gas analysis (e. g. LNG, LPG)
- H_2S in hydrocarbon mixtures
- Investigation of technical and pharmaceutical products (e. g. storage stability)
- Quality management



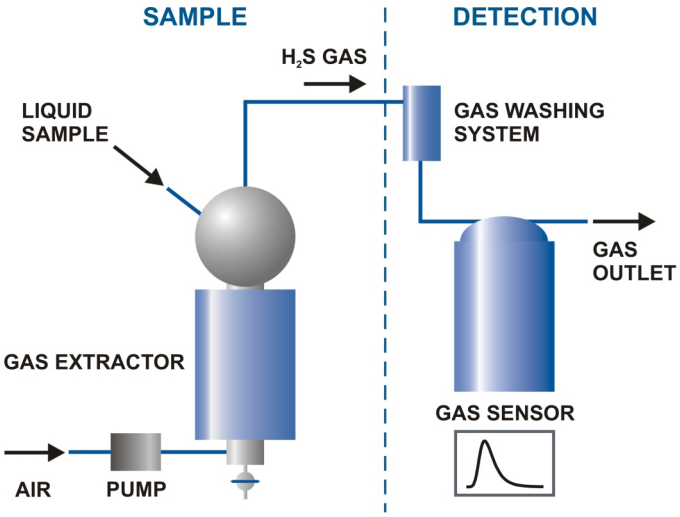
Sulfimax GX Go - interior view

Advantages

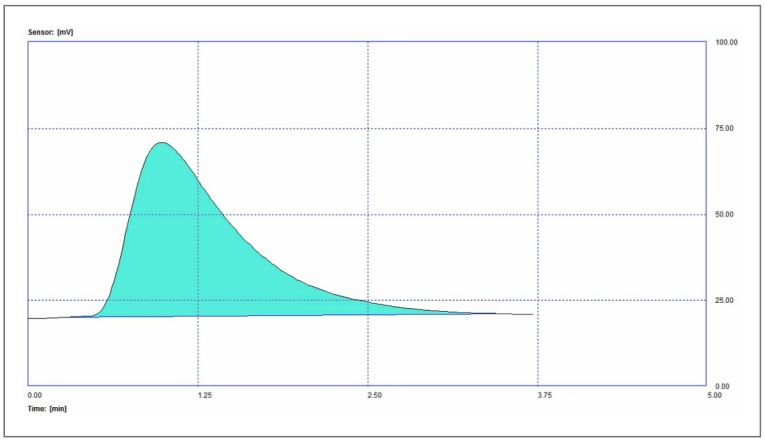
- Analysis of the original sample
- No sample preparation
- Minimized cross sensitivity through the indirect method
- Suitable for on-site use

Features and Results

- Complete separation of H_2S from the sample by effective gas extraction
- Simple calibration
- Software: simple, clear, intuitive
- Dosing manually by syringe
- Definition of own methods for device control
- Typical measuring time 5 min (depending on sample properties)



Functional scheme of the analysis system



Typical measurement - automatic peak analysis / interpretation

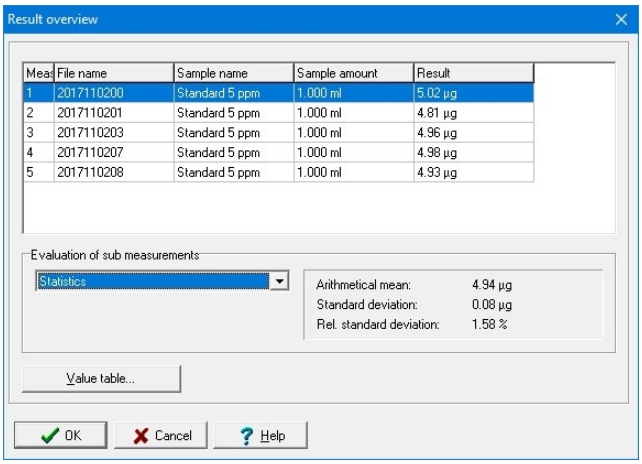


Table of results of a multi measurement

Technical specifications

Measuring range:	0.01 ... 10,000 ppm (dependent on sample volume)
Resolution:	0.1 µg abs., output signal linear
Measuring duration:	2 ... 10 min (dependent on the sample), usually 5 min
Sample volume:	0.01 ... 20 mL
Gas flow:	Up to 50 L/h
Power supply:	230 V/50 Hz, 115 V/60 Hz
Power input:	150 W
Dimensions:	260 x 310 x 300 mm (W x D x H)
Weight:	8 kg
Data connection:	RS 232 / USB (with converter)
Device control:	PC software (PC not included in the scope of delivery)

Laboratory version **Sulfimax GX Lab** with autosampler for liquids

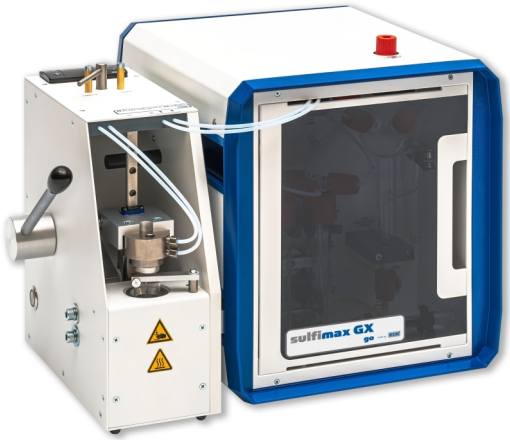
H_2S Headspace Module

Extension module for solid and viscous samples

The determination of volatile hydrogen sulphide (H_2S) in solid and viscous samples is easily possible with this module.
It is connected directly to the selective **Sulfimax GX Go** and can be operated by anyone.
The sample is heated isothermally without pretreatment in a sealed headspace vessel and analyzed.

Applications:

- Solid samples, e. g. elemental sulfur, sludge, bitumen
- Liquid samples like waste water with sludge particles
- Viscous samples
- Soil samples and waste



Sulfimax GX Go with connected H_2S Headspace Module

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