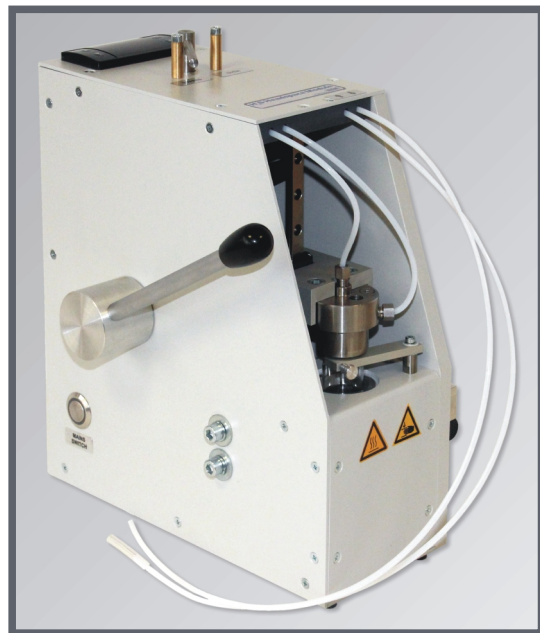


Product description

The determination of volatile hydrogen sulphide (H₂S) in solid and pasty samples is easily feasible by using an additional manual Headspace Module coupled with the selective H₂S ANALYZER of ECH.

Samples are measured by isothermal heating in a closed headspace vial. The temperature is adjustable depending on the type of sample. The gas flow within the H₂S ANALYZER transfers the volatile H₂S into the sensor unit. Even very low H₂S concentrations are detectable. No sample preparation is necessary.

As a result of the rapid determination, new opportunities are opened regarding the analysis of H₂S. Simple handling of the compact device allows the usage not only for laboratory staff but also for everyone.



Headspace Module for H₂S ANALYZER

Applications

By coupling the Headspace Module with the H₂S ANALYZER of ECH, different kinds of H₂S-containing samples can be analyzed:

- solid samples, e. g. elementary sulfur, sludge and bitumen
- liquid samples such as sewage water with sludge
- pasty samples
- soil samples and waste

Advantages

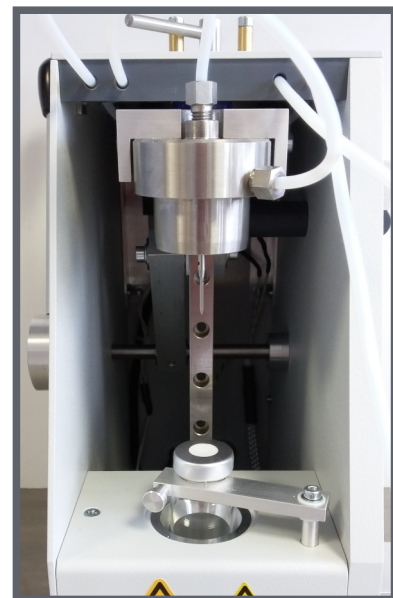
- Compact and easy to use module
- Extension of application areas of the H₂S ANALYZER
- Simple coupling with the H₂S ANALYZER
- Extension module for universal determination of H₂S in solid, pasty and high viscous samples
- Even very low H₂S concentrations detectable
- Measurement of solid samples without sample preparation
- Short measurement time
- Simple handling - usage not only for laboratory staff but also for everyone



Application: Headspace Module coupled with H₂S ANALYZER Cubi (compact version)

Details

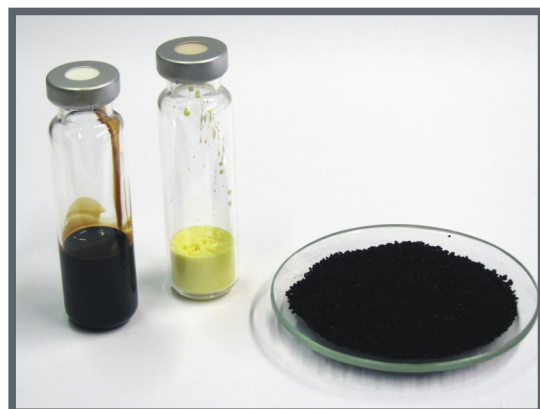
- Gas extracting technique for a fast release and separation of H_2S from the sample
- Sample matrix in closed 20 mL vials - no contact with any parts of the analytical system
- Temperature control unit for a range between 30 °C and 180 °C
- Measurement time between 2 min and approx. 15 min depending on H_2S content of the sample
- Double needle system for gas transfer
- Bypass switching for continuous gas flow
- Hand-operated and robust mechanical system



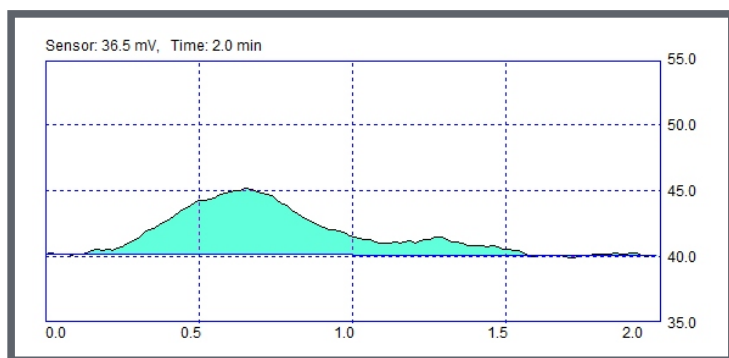
Closed sample vial in the Headspace Module

Specifications

Sample type:	solid, pasty and high viscous
Sample volume:	0.01 ... 20 mL (g)
Oven temperature range:	30 ... 180 °C
Temperature resolution:	0.1 °C
Heating oven:	isothermal
Power supply:	230 V
Power input:	100 W
Dimensions:	13 x 27 x 29 cm (W x H x D)
Weight:	5 kg



Different kinds of H_2S containing samples



Determination of volatile H_2S from bitumen using the H2S ANALYZER

We are here for you



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Application: H2S ANALYZER Lab (laboratory version) coupled with Headspace Module and autosampler for liquids



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