

Description

The **Compur Minitox** (part no. 500635) is a battery powered, small and handy warning device for the detection of H₂S. If the H₂S concentration exceeds the preset alarm threshold, the **Compur Minitox** generates an audible alarm.

Whenever the device is switched on, an automatic self test of the buzzer, electronics and battery is performed.

The **Compur Minitox** is designed for your safety. Therefore please observe the operating instructions and check the instrument in regular intervals.

Function Test with the Compur Gas Generator

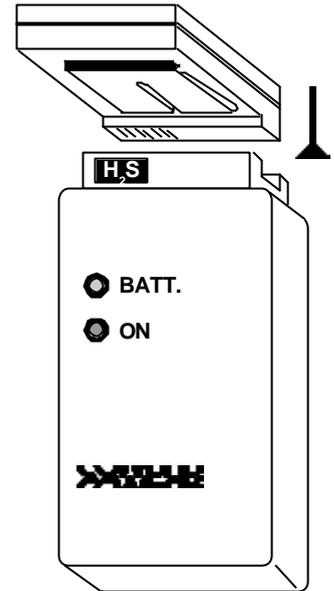
We recommend to perform a test every time before using the instrument.

A test with the Compur H₂S gas generator (part no. 510329) will verify the proper function of the **Compur Minitox** gas detector by applying a gas concentration above the set threshold value.

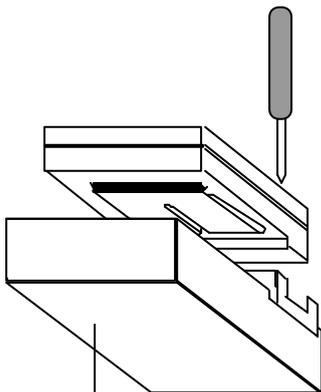
Do **not** store or use the gas generator in areas classified as hazardous.

Test procedure:

- Switch the **Compur Minitox** gas detector on and insert the instrument into the corresponding slot of the gas generator. The generator will now generate the test gas H₂S. The green LED of the gas generator is on during gas generation.
- The **Compur Minitox** should sound an alarm within 10 seconds. If there is no response, either the sensor or the electronics are defective.
- Gas generation stops after 10 seconds and the green LED goes off. Ventilation will continue until the **Compur Minitox** is removed from the generator.



Alarm Level Adjustment (authorized personnel only)



Test gas adapter

Standard factory setting of the alarm threshold of the **Compur Minitox** is 10 ppm. The adjustment date (month, year) is marked on the label. You can readjust or modify the alarm level. This procedure requires the test gas adapter (part no. 510162) and span gas with the concentration of the required alarm setting. Connect the test gas adapter and the span gas bottle with appropriate tubing and set the flow rate to appr. 80 ml/minute. Affix the **Compur Minitox** to the gas adapter and expose the detector to the span gas for appr. 5 minutes. Adjust the potentiometer below the calibration label until the alarm sounds. Stop the flow of the span gas and remove the **Compur Minitox**. Seal the hole above the potentiometer with a new calibration label.

Technical Data

Alarm setting 10 ppm
 Temperature range -20°C to +55°C
 Pressure range 920 hPa - 1120 hPa
 Humidity range 10 % to 95 % r. h.
 Exp. lifetime of battery approx. 3400 hours
 Exp. lifetime of sensor > 12 months

Time to alarm (14ppm, 20°C) < 20 sec
 Max. exposure short time: 1000 ppm
 Sound level of buzzer > 80 dB / 30 cm
 Ex-certificate EEx ib IIC T6
 Dimensions 85 x 52 x 20 mm
 Weight 75 g