Schützen
Best Be Safe Today.

Schützen

Sulfur dioxide gas detector

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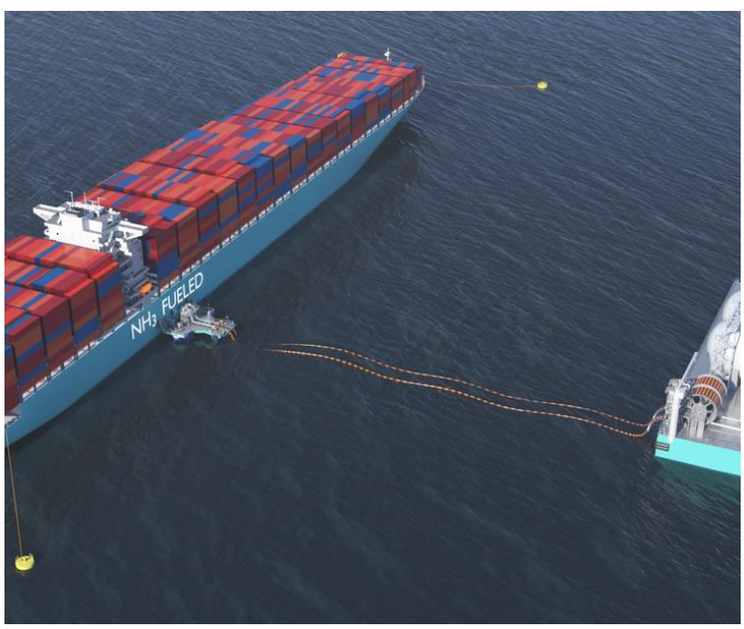
Sulfur dioxide Gas Detector

Sulfur dioxide Gas Detection.



The Schützen SGT-P SO2 Gas Detector is the ideal solution for personal Sulfur dioxide detection.

The device is light weight and compact with an ergonomic design, making it an ideal personal detection device. The Schützen SGT-P portable SO2 Sulfur dioxide gas detector is a maintainable device with replaceable batteries, reducing monitor downtime and environmentally friendly. Thus delivering an unlimited operational lifetime.

Live Gas Readings and Easy Interface.

With one-button activation, adjustable alarm settings and an easy-to-read display the Schützen SGT-P SO2 is simple to use. Just turn it on for the first time, and the monitor does the rest. Using the default settings from the factory there is no need to set up or program the monitor. Unlike many gas detectors available on the market, the Schützen SGT-P SO2 provides the user with current live gas readings rather than what time is left on the battery.

The Risks of Sulfur dioxide.

Sulfur dioxide, SO2, is a colorless gas or liquid with a strong, choking odor. It is produced from the burning of fossil fuels (coal and oil) and the smelting of mineral ores (aluminum, copper, zinc, lead, and iron) that contain sulfur..

Sulfur dioxide dissolves easily in water to form sulfuric acid. Sulfuric acid is a major component of acid rain. Acid rain can damage forests and crops, change the acidity of soils, and make lakes and streams acidic and unsuitable for fish. Sulfur dioxide also contributes to the decay of building materials and paints, including monuments and statues.

Most of the sulfur dioxide released into the environment comes from electric utilities, especially those that burn coal. Some other sources of sulfur dioxide include petroleum refineries, cement manufacturing, paper pulp manufacturing, and metal smelting and processing facilities. Locomotives, large ships, and some non-road diesel equipment currently burn high-sulfur fuel and release sulfur dioxide into the air. In nature, volcanic eruptions can release sulfur dioxide into the air. Some dried fruits are preserved using SO2 to prevent discoloration of the fruit. SO2 is also used in bleaching materials and as a fumigant.

Short-term exposure to high levels of sulfur dioxide can be life-threatening. Generally, exposures can cause a burning sensation in the nose and throat. Also, exposure can cause difficulty breathing, including changes in the body's ability to take a breath or breathe deeply, or take in as much air per breath. Long-term exposure to sulfur dioxide can cause changes in lung function and aggravate existing heart disease.

Schützen
Sulfur dioxide Gas Detector

0 – 50PPM Range

24 months warranty

Long life sensor technology

Applications

- Petroleum Refineries
- Metal smelting
- Cement Manufacturing
- Paper pulp manufacturing
- Food Processing Facilities

Accessories

STANDARD PACKAGE

EXTERNAL PUMP

EXTENSION PROBE

IR COMMUNICATOR

Schützen
Sulfur dioxide Gas Detector

Specifications

Physical characteristics	
Size	Size:54mm(W)x91mm(H)x32mm(D)
Weight	93g
Operation	One-button
Carrying attachments	Stainless steel alligator clip
Case material	Shock resistant polycarbonate rubber enclosure
Environmental protection	IP 67 (third party certified)
Display	Digital LCD display, LCD Backlight, LED Indicator
Display info	Live Reading, remaining battery life
Monitoring	
Sensor ranges	0 - 50ppm
Resolution	1ppm
Power	
Power source	Lithium battery 3.6V
Battery life indication	Yes
Battery life	24 months based on 2 minutes alarm per day, Replaceable
Alarms	
Visual alarm	Yes - red led
Audible alarm	Yes - 90db
Vibrating alarm	Yes
Alarm set points	Pre-programmed default settings: Customizable settings available; please provide upon ordering or configure use settings via software and the IR Connect or test station accessories
Data storage	
Data logging	Logs last 30 events
Data retention	Yes - IR Link to PC
Data transmission	Infrared
Certifications/Approvals	
Explosive atmospheres	IECEx Ex iaIIC T4 Ga, ATEX II 1 G Ex ia IIC T4 Ga, INMETRO Ex ia IIC T4 Ga, Ex ia IIC T4
Approved temperature ranges	-40°C~+50°C(forToxic)/-35°C~+50°C(forO2)
Environment	5%~95%RH(non-condensing)

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