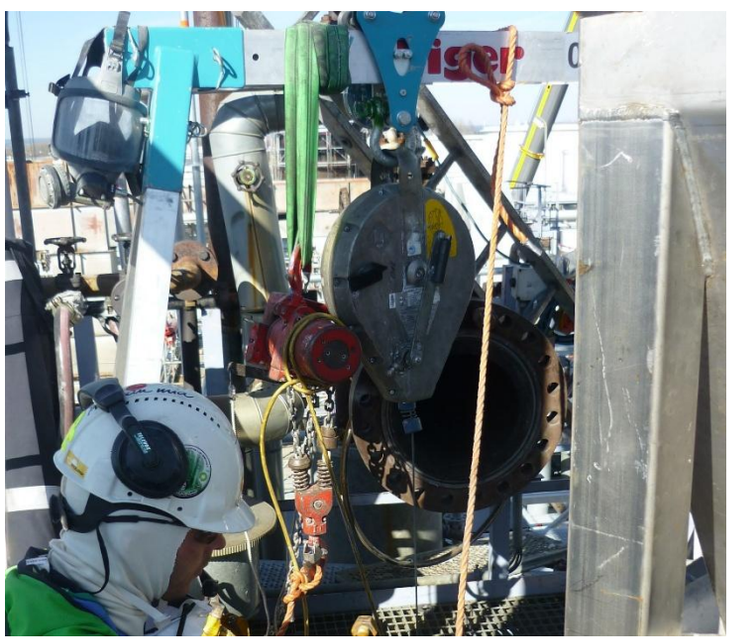
Schützen
Best Be Safe Today

Schützen
SP-MGTANK
Inert Gas Detections

Schützen
SP-MGTANK



The Schützen MGTANK gas detector is highly regarded for marine applications, offering reliable performance in inert environments and cargo monitoring while meeting IMO regulation XI/1/7.

Gas Detection for Inert Entry

In some industries, particularly the petroleum or oil/ gas industry, reactor vessels are intentionally flooded with an inert gas such as Nitrogen, to ensure the vapour space is too low to support combustion. Nitrogen is not itself a toxic gas, but it displaces the Oxygen. So, a purged gas environment, although it eliminates the chance of fire or explosion, produces a very real threat to human life.

Schützen MGTANK with a pump built in are suitable for pre-inert entry work. They allow for easy sampling up to 23 meter of prior to entry, and if used during work in the vessel they will result in quicker response.

The MGTANK is designed with Infra-red sensor, where the infra-red beam will be broken by intruding gas and It is not affected by a lack of oxygen. It's all-in one.

Gas Detection for Cargo Monitoring

Examples of Cargo Monitoring Scenarios:
Vessels: Monitoring for gas leaks or changes in gas concentrations in cargo holds, engine rooms, or other enclosed spaces on ships.

Storage Facilities: Monitoring oxygen levels, flammable gases, and toxic gases in warehouses or storage areas to prevent accidents or fires.

Confined Spaces: Assessing the safety of entering confined spaces within cargo facilities, ships, or trucks before personnel enter.

Schützen
SP-MGTANK

Key Features

Sampling type with embedded pump & Probe

Event log (Recent 30 event / bump / calibration)

Easy to maintain (2 filters in probe & in detector)

Inner teflon coating of gas tube line

IrDA communication

Single Docking Station

Applications

Other Accessories

IR LINK

CALIBRATION /
CERTIFICATION STATION

Schützen
SP-MGTANK

Specifications & Ordering Information

PART NO	PRODUCT
Schützen	
AAA104057	Schützen SP-MGTANK 1 O2, CO, H2S, CH4(IR)
AAA104168	Schützen SP-MGTANK 2 O2, CO/H2S, CH4/CO2(IR)
Schützen Gas Test Station	
MGT-S-V1.2	Schützen MGTANK Calibration & Certification Station
Schützen Accessories	
2NDAS0001	Schützen Sampling Pump
2NDAS0002	Schützen Extension Probe 10M

Monitor Specification	
Physical characteristics	
Size	Size:77mm(W)x146mm(H)x43mm(D)
Weight	490g
Sampling	Built-in pump (Up to 23M)
Flow rate	250~300cc
Carrying attachments	Stainless steel alligator clip
Case material	Shock resistant TPU covered Poly Carbonate (PC) absorption
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/Resolution	CO: 0-500 ppm, H2S: 0-200 ppm, O2: 0-30.0% Vol, IR LEL: 0 ~ 100%, IR CO2: 0-5%, NH3: 0-100ppm, HCL: 0-20ppm, CL2: 0-20ppm, SO2: 0-50ppm NO2: 0-20ppm, H2: 0-1000ppm, HF: 0-10ppm, HCN: 0-50ppm
Power	
Power source	Rechargeable Li-ion, Nominal Voltage : 3.7V, Nominal Capacity: 4000mAh
Battery life indication	Yes
Battery	TANK1: 72 hours TANK2: N Type: 52 Hours (Charging time: 4-6hrs)
Alarms	
Visual alarm	LCD Alarm Display, LCD Backlight
Audible alarm	Indicator LED Audinle/ Buzzer (90dB at 10cm)
Vibrating alarm	Yes
Alarm set points	Fully customizable
Data storage	
Data logging	Logs last 30 events
Data retention	Yes – IR Link to PC
Data transmission	Infrared
Certifications/Approvals	
Explosive atmospheres	**IECEx** Ex ia IIC T4 Ga / Ex ia IIB T4 Ga **ATEX** II 1 G Ex ia IIC T4 Ga / II 1 G Ex ia IIB T4 Ga **INMETRO** Ex ia IIC T4 Ga / Ex ia IIB T4 Ga **UL** Ex ia IIC T4 Ga Class I, Division 1, Groups A, B, C, and/or D, T4 Class I, Zone 0, AEx ia IIC T4 Ga Ex ia IIB T4 Ga Class I, Division 1, Groups C, and/or D, T4 Class I, Zone 0, AEx ia IIB T4 Ga
Approved temperature ranges	-20ºC ~ +50ºC
Environment	10%~90%RH(non-condensing)