RX 8000

HC / O_2 Gas detector

The RX-8000 Portable HC/ O_2 Gas detector sets the new industry standard for rugged, reliable portable gas detection. Its tough, waterproof design utilizes features based on years of gas detection design experience, to assure that the instrument will operate properly to protect workers and property in all kinds of harsh gas detection applications.

Product description

Building on and improving the very successful Riken model RI-415 / RX-415, the RX-8000 Series is designed for measuring Hydrocarbons and Oxygen in inert or air atmospheres using Riken's proven IrDA sensor technology. Typically used for measuring gas concentration in tanks or piping during inerting/purging applications, and tank maintenance work. There are two versions of the instrument with either an HC iso-butane (i-C_4H10) or CH_4 methane (CH_4) NDIR sensor, both are auto-ranging between 0-100%LEL and 0-100 vol%. The optional Oxygen sensor has a range of 0-40%vol.

Features

- Real-time detection combustible gas, 100%vol./ 100%LEL & O_2
- Large simultaneous display with auto backlighting
- Strong sample drawing capability
- Loud alarm buzzer with 95dB
- 3 bright LED alarm indicators
- ATEX Exia II CT4/MED approved
- Water and dust-resistant IP67
- Lithium-ion rechargeable battery
- Compact and lightweight
- Internal sample-draw pump
- Ergonomic design with wrist strap for hands-free operation
- Datalogging standard

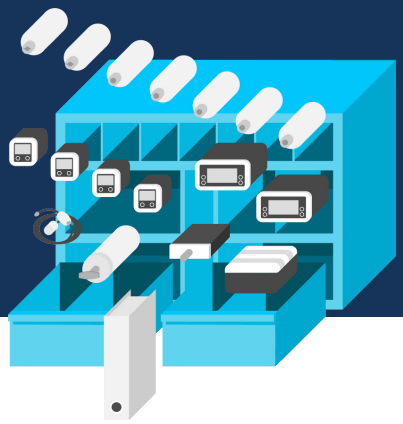
Applications

- Oil Tanker
- Gas Carrier
- Product Tanker
- Refineries, Petrochemical, Chemical Plants
- Confined Space Entry
- Gas Plant, Gas Supplier Services
- Power Plant
- Chemical Tanker
- Wastewater Treatment / Water Utilities

Specifications

RX-8000			
Target Gas	Combustibles (i-$CH_4$10 or CH_4 calibration)		Oxygen
Detection Principle	Non-Dispersive Infrared (IR)		Galvanic Cell
Detection Range (Increments)	0-100vol% (0.5vol%)	0-100%LEL (0.5%LEL)	0-40.0% (0.1%)
Accuracy	±5vol%	±5vol%	Range 0-25%: ±0.7 Range 26-40%: ±3.0
Response Time	T90 within 30 seconds		T90 within 20 seconds
Sampling Method	Sample Draw: Minimum 0.75L/min		
Gas Alarm	N/A	1st: 10%LEL 2nd: 50%LE	1st: 19.5% 2nd: 23.5%
Display of Alarm	LED: LEDs flash Buzzer: 95dB Visual Indication: Indication value flashes. Alarm message displays and flashes		
Display	Digital display and bar graph		
Power Source	Lithium-ion battery (3 hours for a full charge): Standard AA Alkaline battery (qty 3): Option		
Continuous Operation	Lithium-ion battery: 15 hours AA Alkaline battery: 10 hours		
Operating Temp & Humidity	-20 ~ +50C (-4 ~ +122F) below 95%Rh (non-condensing)		
Dimensions & Weight	6.1"W x 3.1"H x 5" D, 2.4lbs		
Ingress Proof Rating	IP67		
Explosion Proof	Ex ia IIC T4 Ga		
Approvals	IECEx, ATEX, MED, Complying to IEC60079-29-1, EN50104		
Additional Features	Indication to show energizing (pilot indicator and pump driving indicator), activating confirmation IrDA communication, data logger, password protection		

The Bruusgaard System



TBS is a unique turnkey portable gas detection solution, giving you increased safety and substantial cost savings through standardised instruments, routines, training and procurement.

Logistic Support

At any given time we know the status of all vessels and sites covered by The Bruusgaard System. We consolidate all shipments and make sure you have everything you need on board until next scheduled delivery. This results in fewer shipments and substantial savings!

- Year round follow up of instruments, spares and consumables
- Handling of all shipments & logistics
- Annual reports per vessel including budgeting

Safety

QA – strict routines and logging

- Crew are able to use instruments and follow routines correctly
- Instruments are in proper working condition at all times
- Instruments are calibrated at correct intervals
- Sensors and other items are replaced at correct intervals
- Usage of instruments is logged, including abnormal observations
- Traceability – instrument history and usage
- Routines and procedures can merge into the overall QA-system

Effective and proven training is an integrated part of The Bruusgaard System.

Instruments

All the equipment used for gas detection and calibration is placed in a custom-made wall cabinet. Including Log & Instruction Manual, which are crucial to maintaining the safety integrity.

- Standardised vessel specific gas detector solutions
- Total solutions including all equipment and routines necessary for efficient and safe use, storage and maintenance

Cost Savings

Some of our customers have been able to go from 8 to 10 suppliers down to 1 – translating into cost savings of up to 40-50%. For one vessel, this could be thousands of dollars annually, and for a whole fleet, the cost savings can be dramatic. This is achieved through:

- One contact for worldwide supply of spares & gases
- All service and calibration can be done on site.
- Reductions of instrument types from 10-12 to 2-3

Reduced maintenance costs through:

- On board calibration
- Fewer instruments on board
- No need for spares on board
- One PO per year
- Increased safety
- Less use of administrative time