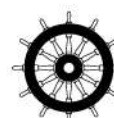




RKI Analytical
Instruments
The Analyser People

RX-8000

Portable HC / O₂
gas detector



Features

- Detection of combustibles in air or inert
100% LEL / 100 Vol.-%, O₂
- Large simultaneous display with bargraph and auto back light
- Strong sample drawing capability
- 3 bright LED alarm windows / alarm buzzer 95 dB
- ATEX Exia II CT4 / MED
- Water and dust resistant IP67
- Datalogging standard



RIKEN KEIKI
For a Safer World

Description

The RX-8000 is a portable single or dual gas monitor to detect combustible gases or methane, and / or Oxygen in air or in inert gases. The NDIR sensor provides an accurate detection and a long lifespan. The automatic ranging offers a very easy handling of the device at frequently changing gas concentrations. The measuring values are displayed in Vol.-% or % LEL. When loading tanks are flushed with inert gases, the O₂ content drops proportionally to the amount of inert gases used. Catalytic EX sensors need a mini-

mum content of oxygen in the sample gas to be able to correctly measure combustible gases. As this minimum content is generally not available, instruments with catalytic sensors are not suitable for conducting EX measurements in inert atmospheres. A solution to this problem is to use infrared technology sensors (NDIR). Infrared sensors measure concentrations of combustible gases reliably, even if O₂ is not present. With series RX-8000 and the NDIR sensor you are well suited for this kind of application.

Specification

Model	RX-8000		
Target Gas	Combustibles (i-C ₄ H ₁₀ or CH ₄ calibration)		Oxygen (O ₂)
Detection principle	Non-Dispersive Infrared Ray		Galvanic cell
Detection range (Increments)	0 - 100 Vol.-% (0.5 Vol.-%)	0 - 100% LEL (0.5% LEL)	0 - 40% (0.1%)
Accuracy	± 5 Vol.-%	± 5% LEL	Range 0 - 25% : ± 0.7% Range 26 - 40% : ± 3.0%
Response time	T90 within 30 sec		T90 within 20 sec
Sampling method	Sample Draw: Minimum 0.75 L / min		
Display	Digital display (7 segments) and Bar graph (50 segments)		
Power source	Lithium-ion battery (3 hours for a full charge): Standard AA Alkaline battery (3 pcs): Option		
Continuous Operation	Lithium-ion battery: more than 15 hours AA Alkaline battery: more than 10 hours		
Operating temp & Humidity	-20 to +50°C below 95% Rh (Non-condensing)		
Dimensions / Weight	Approx. 154 x 81 x 127 mm / Approx. 1.0 kg		
Ingress proof rating	IP67		
Explosion proof	Ex ia IIC T4		
Approvals	IECEx, ATEX, TIIS, MED, HK, CE mark		
Additional features	Pilot indicator and pump driving indicator, Activating confirmation beep and LED's flash (every one minute), Pump stop function, Bump test function, IrDA communication, Data logger, Password protection		

Specifications subject to change without notice.

Standard accessories

- Lithium-ion battery unit
- AC powered charger
- Gas sampling probe
- Gas sampling hose
- Neck / shoulder strap
- Filter tube
- Fixing belt for filter tube
- Instruction manual

Optional accessories

- Dry cell battery unit
- Gas sampling hose 8 m with float type sampling head
- Gas sampling hose 30 m with plummet
- Telescopic sampling probe
- Waist strap
- Sampling probe holder on the neck / shoulder strap
- Leather carrying case
- Carrying box
- Calibration gas set
- Flow control demand valve
- Data logging software

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