



PORTABLE HC/O₂ DETECTOR

Gas Detection For Life

RX-8000 Series



4 Versions Available

i-C4H10/O₂

CH₄/O₂

i-C4H10

CH₄

Features

- Real-time detection for Combustibles 100%LEL/100vol%, O₂
- Strong sample drawing capability
- Intrinsically safe design
- IP 67 water/dust resistance
- Large display with auto back lighting
- Datalogging standard
- More than 15 hours of operation (NiMH batteries)

Applications

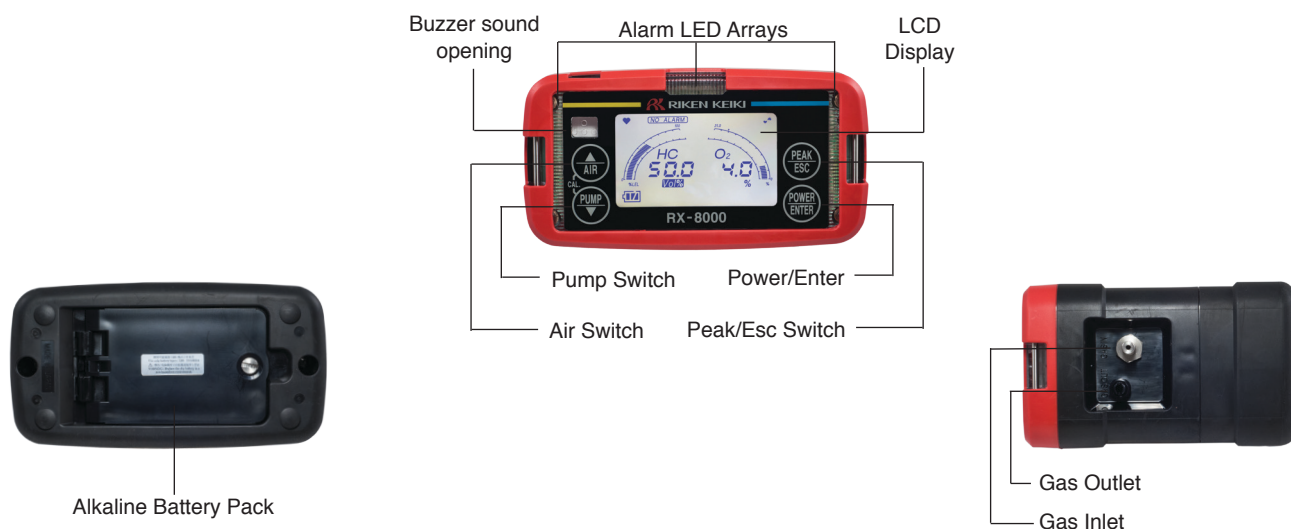
- Oil tanker
- Gas carrier
- Product tanker
- Refineries
- Petrochemical/Chemical plants
- Confined space
- Water/Wastewater treatment
- Power plant
- Utilities

The RX-8000 series portable gas monitors are designed to meet the requirements of the marine market for testing of cargoes and confined spaces for hydrocarbon and oxygen content. These models provide real time detection of hydrocarbons and methane up to 100 % volume, with the gas reading automatically ranging up and down from % LEL to % volume as the concentration changes. A long life electrochemical type oxygen sensor is also available with range of 0-25 % volume. Hydrocarbons and methane are detected using NDIR (non-dispersive infrared) sensors that can detect in inerted and ambient environments.

The RX series instruments are intrinsically safe (ATEX/IECEx Exia IIC T4) and MED certified, IP-67 compliant for water and dust resistance, and utilize a strong internal sample pump, with sample lines available in lengths up to 30m. Battery power is provided by either alkaline (3 AA) battery pack (10 hour operating time) or a rechargeable lithium Ion battery pack (15 hour operation). A loud (95dB) alarm buzzer and ultra bright LED lights provide warning of hazardous conditions.

RX-8000 Series

| | | | |
|---|---|--------------------------|---|
| 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 vol% (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 seconds | | T90 within 20 seconds |
| Sampling method | Sample Draw: Minimum 0.75L/min | | |
| Display | Digital display and Bar graph | | |
| Power source | Lithium-ion battery (3 hours for a full charge) : Standard AA Alkaline battery (3pcs) : Option | | |
| Continuous Operation | AA Alkaline battery: more than 10 hours Lithium-ion battery: more than 15 hours | | |
| Operating temp & Humidity | -20 ~ + 50C (-4 ~ + 122 F) below 95% Rh (Non-condensing) | | |
| Dimensions & Weight | Approx. 154 (W) x 81(H) x 127 (D) mm Aprox. 1.0 Kg (Aprox. 6.1" (W) x 3.1" (H) x 5.0" (D)mm Aprox. 2.4lb) | | |
| Ingress proof rating | Equivalent to IP67 | | |
| Explosion Proof | EX ia II C T4 | | |
| Approvals | IECEX, ATEX, TIIS, MED, HK Complying to IEC60079-29-1, EN50104 } Pending | | |
| Additional features | Indication to show energizing (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 | | |
| Standard accessories | Lithium-ion battery unit Bul-8000, AC powered charger (100V~240V), Gas sampling probe, Gas sampling hose (3.2 ft), Neck / shoulder strap, Filter tube, Fixing belt for filter tube, Manual | | |



* Specifications subject to change without notice.



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