



RIKEN KEIKI RX-8000 Portable HC O2 Gas Detector User Manual

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RIKEN KEIKI RX-8000 Portable HC O2 Gas Detector User Manual



Applications

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

Feature

- Real-time detection for Combustibles 100%LEL /100vol%, O2
- Large simultaneous display with auto back lighting
- Strong sample drawing capability
- Loud alarm buzzer with 95dB
- 3 bright LED alarm windows
- ATEX ExiaIICT4 / MED
- Water and dust resistant IP67
- Lithium-ion rechargeable battery
- Compact and light weight
- Ergonomic design with waist strap for hands free operation
- Datalogging standard

Specifications

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)	0-100vol% (0.5vol%)	0-100%LEL (0.5%LEL)	0-40% (0.1%)
Accuracy	±5vol%	±5%LEL	Range 0-25% : ±0.7% Range 26-40% : ±3.0%
Response time	T90 within 30sec		T90 within 20sec
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	Lithium-ion battery : more than 15 hours AA Alkaline battery : more than 10 hours		
Operating temp & Humidity	-20~+50°C(-4~+122°F) below 95%Rh (Non-condensing)		
Dimensions & Weight	Approx. 154(W) x 81(H) x 127(D)mm Aprox. 1.0Kg (Approx. 6.1"(W) x 3.1"(H) x 5.0"(D)mm Aprox. 2.4lb)		
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 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 BUL-8000
- AC powered charger Input : AC100V~AC240V, 50/60Hz Output : DC12V, 1.25A
- Gas sampling probe
- Gas sampling hose (Spiral 1m)
- Neck /shoulder strap
- Filter tube
- Fixing belt for filter tube
- Instruction manual

Optional accessories

- Dry cell battery unit BUD-8000
- Gas sampling hose 8m with float type sampling head
- Gas sampling hose 30m with plummet
- Telescopic sampling probe (2step : 0.72m/ 9step : 3.0m)
- Gas sampling atachment 2 deck valves (For gas measuring inside tanks) including 30m sampling hose/filter/ two connection adaptor/quick coupling
- Sampling probe holder on the neck/shoulder strap
- Waist strap

- Carrying box (Aluminum)
- Datalogging software

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