



RIKEN KEIKI

# PORTABLE HC/O<sub>2</sub> GAS DETECTOR

## HC NDIR

0-100%LEL/0-100vol% in Air & Inert condition (Auto range)

## O<sub>2</sub> Galvanic Cell

0-40%

## MODEL RX-8000

**4 types** RX-8000 (i-C<sub>4</sub>H<sub>10</sub> / O<sub>2</sub>)  
 RX-8000 (CH<sub>4</sub> / O<sub>2</sub>)  
 RX-8000 (i-C<sub>4</sub>H<sub>10</sub>) single  
 RX-8000 (CH<sub>4</sub>) single



## Application

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

## Features

- Real-time detection for Combustibles 100%LEL/100vol%, O<sub>2</sub>
- Large simultaneous display with auto back lighting
- Strong sample drawing capability
- Loud alarm buzzer with 95dB
- 3 bright LED alarm windows
- ATEX Exia IIC T4 / 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



ISO 9001 95QR-007  
 ISO 14001 97ER-005  
 TOKYO PLANT • OKEGAWA MANUFACTURING  
 DIVISION • HAKODATE FACTORY

**RIKEN KEIKI Co., Ltd.**



# Specifications

# MODEL RX-8000

<b>Target gas</b>	Combustibles (i-C <sub>4</sub> H <sub>10</sub> or CH <sub>4</sub> calibration)		Oxygen (O <sub>2</sub> )
<b>Detection principle</b>	Non-Dispersive Infrared Ray		Galvanic cell
<b>Detection range (Increments)</b>	0-100vol% (0.5vol%)	0-100%LEL (0.5%LEL)	0-40% (0.1%)
<b>Accuracy</b>	±5vol%	±5%LEL	Range 0-25% : ±0.7% Range 26-40% : ±3.0%
<b>Response time</b>	T90 within 30sec		T90 within 20sec
<b>Sampling method</b>	Sample Draw : Minimum 0.75L/min		
<b>Display</b>	Digital display and Bar graph		
<b>Power source</b>	Lithium-ion battery (3 hours for a full charge) : Standard AA Alkaline battery (3pcs) : Option		
<b>Continuous Operation</b>	Lithium-ion battery : more than 15 hours AA Alkaline battery : more than 10 hours		
<b>Operating temp &amp; Humidity</b>	-20 ~ +50°C (-4 ~ +122 °F) below 95%Rh (Non-condensing)		
<b>Dimensions &amp; Weight</b>	Approx. 154 (W) × 81 (H) × 127 (D) mm Aprox. 1.0Kg (Approx. 6.1" (W) × 3.1" (H) × 5.0" (D) mm Aprox. 2.4lb)		
<b>Ingress proof rating</b>	IP67		
<b>Explosion proof</b>	Ex ia IIC T4 Ga		
<b>Approvals</b>	IECEX, ATEX, MED, Complying to IEC60079-29-1, EN50104		
<b>Additional features</b>	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

## RIKEN KEIKI Co.,Ltd.

2-7-6 Azusawa, Itabashi-ku, Tokyo 174-8744, Japan  
 Phone : +81-3-3966-1113  
 Telefax : +81-3-3558-9110  
 E-mail : intdept@rikenkeiki.co.jp  
 Web site : <http://www.rikenkeiki.co.jp>

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