



# PORTABLE SINGLE GAS MONITOR

## MODEL GX-8000 series

### MODEL GX-8000 LEL

CH<sub>4</sub>, i-C<sub>4</sub>H<sub>10</sub>, H<sub>2</sub>  
Combustibles in  
air/ 0-100%LEL



### MODEL GX-8000 O<sub>2</sub>

O<sub>2</sub> in air / 0-40%

### Features

- ATEX Exia II CT4 approved
- Water and dust resistant IP67
- Loud alarm buzzer with 95dB
- Strong sample drawing capability (0.75L/min)
- Digital display & digital bargraph
- 3 bright LED alarm windows
- Datalogging standard
- Ergonomic design with waist strap for hands free operation (option)
- Lithium-ion rechargeable battery (option)



ISO 9001 350R-007  
ISO 14001 97ER-005  
TOKYO PLANT - OKEGAWA MANUFACTURING  
DIVISION - HAKODATE FACTORY

**RIKEN KEIKI**

# Specifications

# MODEL GX-8000 series

Model	GX-8000 LEL	GX-8000 O <sub>2</sub>
Target gas	Combustibles in air (CH <sub>4</sub> , i-C <sub>4</sub> H <sub>10</sub> , H <sub>2</sub> , n-C <sub>6</sub> H <sub>10</sub> , C <sub>7</sub> H <sub>8</sub> , others) Specify one gas when ordering.	Oxygen in air & inert (O <sub>2</sub> )
Detection principle	Catalytic combustion	Galvanic cell
Detection range (Increments)	0-100%LEL (1%LEL)	0-40.0% (0.1%)
Gas alarm	1st : 10%LEL 2nd : 50%LEL	Low alarm : 19.5% High alarm : 23.5%
Types of alarm	Gas alarm : Latching, 2 alarms Failure alarm : Flow failure, Sensor failure, Battery failure, Circuit failure, Calibration failure	
Display of alarm	LED : LED's flash Buzzer : Buzzer sounds alternating between a low and high pitch Visual indication : Indication value flashes. Alarm message displays and flashes.	
Alarm sound	More than 95dB (A) at 30cm	
Display	Digital LCD with auto backlight Digital display (7 segments) and digital bargraph (50 segments)	
Sampling method	Sample draw, Minimum 0.75L/min	
Power source	AA Alkaline battery (3pcs) : Standard Lithium-ion battery : Option (3 hours for a full charge)	
Continuous operation	AA Alkaline battery : more than 6 hours Lithium-ion battery : more than 12 hours	AA Alkaline battery : more than 12 hours Lithium-ion battery : more than 20 hours
Operating temp & humidity	-20~+50°C, -4~+122°F below 95%RH (Non-condensing)	
Dimensions & Weight	Approx. 154(W) × 81(H) × 127(D) mm, Approx. 0.9Kg (Alkaline battery) / 1.0Kg (Lithium-ion battery) Approx. 6.1"(W) × 3.1"(H) × 4.9"(D), Approx. 2.0lb (Alkaline battery) / 2.2lb (Lithium-ion battery)	
Ingress proof rating	Equivalent to IP67	
Explosion proof	Intrinsically safe Exia II CT4	
Approvals	IECEX, ATEX, TIIS, MED, HK, CE mark Complying to IEC60079-29-1	
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

- Dry battery unit BUD-8000
- AA Alkaline battery (3pcs)
- Gas sampling probe
- Gas sampling hose (Spiral 1m)
- Neck/shoulder strap
- Instruction manual

## Optional accessories

- Lithium-ion battery unit BUL-8000
- AC powered charger  
(Input : AC100V~AC240V, 50/60Hz)  
(Output : DC12V, 1.25A)
- Gas sampling hose 8m with float type sampling head
- Gas sampling hose 30m with plummet
- Telescopic sampling probe  
(2step : 0.72m / 9step : 3.0m)
- Filter tube
- Junction tube
- Waist strap
- Sampling probe holder on the neck/shoulder strap
- Leather carrying case
- Carrying box
- Calibration gas set
- Flow control demand valve
- 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](mailto:intdept@rikenkeiki.co.jp)  
 Web site : <http://www.rikenkeiki.co.jp>

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