



RIKEN KEIKI

PORTABLE SINGLE GAS MONITOR

MODEL GX-8000 series

MODEL GX-8000 LEL

CH₄, i-C₄H₁₀, H₂
Combustibles in
air / 0-100% LEL



MODEL GX-8000 O₂

O₂ 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 35GR-007
ISO 14001 97ER-005

TOKYO PLANT • OKEGAWA MANUFACTURING
DIVISION • HAKODATE FACTORY

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Specifications

MODEL GX-8000 series

Model	GX-8000 LEL		GX-8000 O ₂
Target gas	Combustibles in air (CH ₄ , i-C ₄ H ₁₀ , H ₂ , others)		Oxygen in air (O ₂)
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, all approvals submitted and pending 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

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