



For Semiconductor/LED/Solar Cell plants,  
and Gas/Petro Chemical/Chemical plants.

# PORTABLE TOXIC GAS MONITOR

## Model SC-8000



### ◆ Application

- Semiconductor/LED/Solar Cell plants
- Petro Chemical/Chemical plants
- Refineries
- Gas plant/Gas supplier services
- Chemical tanker
- Confined space
- Utilities
- Monitoring toxic gas in hazardous zone
- Leak check at maintenance work

### ◆ Features

- Real time detection with ppm range
- Large digital and bar graph display with back light
- Loud alarm buzzer with 95dB
- 2 steps adjustable alarm volume
- Easy and simple operation
- Compact size and light weight
- ATEX Intrinsic safe design Exia IC T4
- Water and dust resistant IP67
- Ergonomic design with waist strap for hands free operation
- Datalogging standard



ISO 9001 9508-007  
ISO 14001 97ER-005  
TOKYO PLANT • OKEGAWA MANUFACTURING  
DIVISION • HAKODATE FACTORY

**RIKEN KEIKI**

# DETECTABLE GAS AND MEASURING RANGE FOR MODEL SC-8000

Detectable gas	Chemical formula	Measuring range (ppm)	Increments (ppm)	Preset alarm (ppm)	
				1st	2nd
Ammonia	NH <sub>3</sub>	0~75.0	0.5	25.0	50.0
Arsine	AsH <sub>3</sub>	0~0.200	0.001	0.050	0.100
Bromine	Br <sub>2</sub>	0~1.00	0.01	0.30	0.60
Carbon monoxide	CO	0~75.0	0.5	25.0	50.0
Chlorine	Cl <sub>2</sub>	0~1.50	0.01	0.50	1.00
Chlorine trifluoride	CLF <sub>3</sub>	0~1.00	0.01	0.30	0.60
Diborane	B <sub>2</sub> H <sub>6</sub>	0~0.300	0.002	0.100	0.200
Flourine	F <sub>2</sub>	0~3.00	0.02	1.00	2.00
Germane	GeH <sub>4</sub>	0~0.800	0.005	0.200	0.400
Hydrogen bromide	HBr	0~6.00	0.05	2.00	4.00
Hydrogen chloride	HCl	0~6.00	0.05	2.00	4.00
Hydrogen cyanide	HCN	0~15.0	0.1	4.0	10.0
Hydrogen fluoride	HF	0~3.00	0.02	1.00	2.00
Hydrogen iodide	HI	0~5.00	0.05	1.50	3.00
Hydrogen selenide	H <sub>2</sub> Se	0~0.200	0.001	0.050	0.100
Hydrogen sulfide	H <sub>2</sub> S	0~30.0	0.2	5.0	10.0
Nitrogen dioxide	NO <sub>2</sub>	0~15.0	0.1	5.0	10.0
Nitrogen monoxide	NO	0~100	1	25	50
Ozone	O <sub>3</sub>	0~1.00	0.01	0.30	0.60
Phosphine	PH <sub>3</sub>	0~1.00	0.01	0.30	0.60
Phosphorus trifluoride	PF <sub>3</sub>	0~10.0	0.1	2.0	4.0
Silane	SiH <sub>4</sub>	0~15.0	0.1	5.0	10.0
Sulfur dioxide	SO <sub>2</sub>	0~6.00	0.05	2.00	4.00

Remarks : Specify one detectable gas and range when ordering.  
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 hose (1m) with probe

## Optional accessories

- Dry battery unit BUD-8000
- Data-logging software
- Waist strap
- Sampling probe holder on the neck/shoulder strap
- Carrying box (aluminium)

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