

SC-8000

Single Toxic Gas Monitor

The SC-8000 sets the new industry standard for rugged, reliable portable toxic gas detection.

It's tough, water proof design utilises features based on years of gas detection design experience, to assure that the instrument will operate properly to protect workers and property in all kinds of harsh gas detection applications. The SC-8000 model has a powerful in-built suction pump.

The large, LCD display, shows a digital value of the component gas concentration. In loud environments the highly bright LED lamps are arranged in three directions making the unit visible from all angles.

Some of the most common toxic gases that the SC-8000 detects are Silane (SiH_4), Phosphine (PH_3), Arsine (AsH_3),

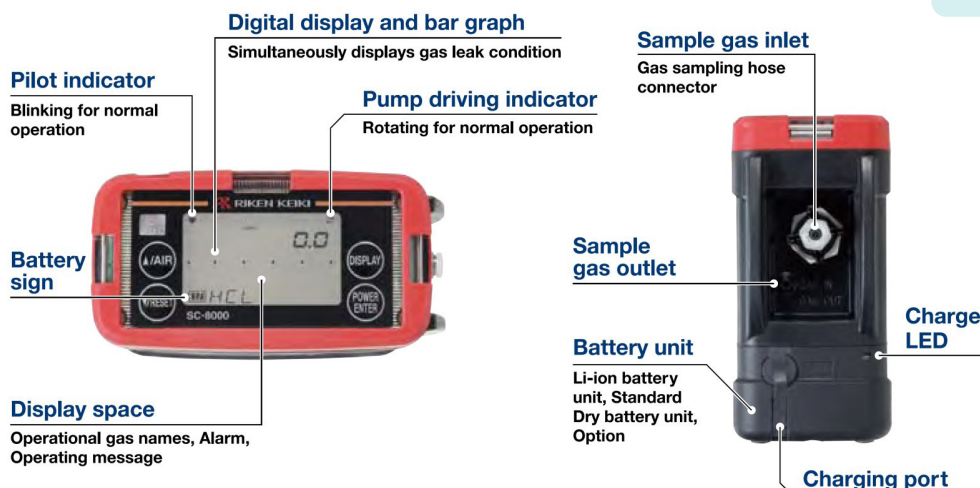
Ammonia (NH_3), Hydrogen Chloride (HCl), Chlorine (Cl_2) and Hydrogen Fluoride (HF) and many others.

APPLICATIONS

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

KEY 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 IIC T4
- Water and dust resistant IP67
- Ergonomic design with waist strap for hands free operation
- Datalogging standard



SC-8000



TARGET GAS

Arsine	AsH_3
Chlorine	Cl_2
Carbon Monoxide	CO
Hydrogen Sulphide	H_2S
Hydrogen Chloride	HCl
Hydrogen Cyanide	HCN
Hydrogen Fluoride	HF
Ammonia	NH_3
Nitric Oxide	NO
Nitrogen Dioxide	NO_2
Ozone	O_3
Phosphine	PH_3
Silane	SiH_4
Sulfur Dioxide	SO_2

SPECIFICATIONS

Specifications subject to change without notice

Dimensions	Approx. 154 (W) x 81 (H) x 154 (D) mm, excluding projections
Weight	Approx. 1.0 kg (dry battery unit), approx. 1.1 kg (lithium-ion unit)
Sampling method	Pump suction, single type
Detection principle	Potentiostatic Electrolysis Method (electrochemical)
Detection range	Depends on target gas
Alarm type	Gas alarm and fault alarm
Alarm display	Lamp: LEDs flash. Buzzer: alternating high and low pitch (gas alarm), continuous sound (failure alarm). Display: gas concentration flashes (gas alarm), alarm message flashes (failure alarm).
Alarm pattern	Self-latching
Suction flow rate	Approx. 0.5 L/min
Display	LCD digital (seven-segment + symbol + bar meter), simultaneous digital and analogue display
Additional display	Clock, battery level icon, pilot indicator, pump indicator
Buzzer volume	95 dB(A) or higher at 30 cm, adjustable
Datalogging	Standard. Optional data logger management program available
IrDA	Yes, for data logger connection
Power supply	Lithium-ion battery unit or dry battery unit (3x AA alkaline)
Continuous operation	Approx. 18 hours (dry battery), approx. 25 hours (lithium-ion), at 25°C without alarm or backlight
Operating temperature	-10°C to 40°C (no sudden changes)



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