

Detect dangerous gas leaks quickly and reliably

Portable Gas Leak Detector



●One-push access to multiple functions

Frequently used operations such as LED light ON/OFF, alarm/operation sound ON/OFF, and alarm point switching can be operated with single push.

- Reliable assign for use even in harsh environments
 - OPass 2m drop testing
 - OProtection rating equivalent to IP67
 - OUsable across a wide range of temperature (-20°C to +55°C)
- Allows direct readout of 14 type of freon gases

Model	SP-230					
Туре	TYPE F					
Detection principle	Hot-wire semiconductor type					
Detection target gas	Freon Gas (Refer to Detection target gas list)					
Calibration gas	R600a(isobutane)					
Concentration display	LCD bar meter + scale + LED					
Detection range	Depends on target gas (Refer to Detection target gas list)					
	(R600a:10~2000ppm)					
Detection method	Pump suction type					
Alarm setpoints	Default setting: 30ppm(R600a: 10, 30, 150, 500, 2000 ppm)					
Display items	Operating status icon, flow confirmation icon, operation tone icon, alarm sound					
	icons, alarm setpoint display, battery level icon, bar meter display, mode display,					
	gas name/message display					
Response time	Within 3 seconds					
(for identical conditions)	Trialing addenial					
Gas alarm type	One-step alarm					
Gas alarm indication	Lamp flashing, buzzer sounding					
Gas alarm pattern	Auto reset					
Fault alarm	Sensor abnormality/Low flow rate/Low battery voltage/System					
	abnormality/Adjustment abnormality/Clock abnormality/Pump abnormality					
Fault alarm icon	Lamp flashing/buzzer sounding/fault information display					
Fault alarm pattern	Self-latching Self-latching					
Power source	AA alkaline batteries × 2					
Continuous operating time	Approx. 13 hours (with alkaline dry batteries, at 25 °C, no alarm, no lighting)					
Operating						
temperature/humidity	-20 °C to +55 °C (no sudden fluctuations)/Up to 95 %RH (no condensation					
range						
Protection level	IP67 equivalent					
Certifications	CE marking, UKCA marking					
External	Approx. 41 mm (W) × 186 mm (H) × 38 mm (D) (excluding projections)/					
dimensions/weight	Approx. 220 g (excluding dry batteries)					

*This product is used for detecting ultra-low gas leaks, so the gas concentration values are approximations.

Even easier to see!

In addition to the conventional LCD display screen, an LED display is mounted. The current gas alarm point, gas concentration, and operating status are notified in color and on a scale.





Work in dark places is also safe!

Enhanced functions ensures safety even when working in dark places, LED light illuminating the front, the backlit buttons for easy operation.





One-push access to multiple functions







Operation sound, alarm ON/OFF



Gas alarm point switching



Shortcut key assignments

Detection target gas list

		0 - 0					
Gas name (standard name)	Display	Scale 1 (ppm)	Scale 2 (ppm)	Scale 3 (ppm)	Scale 4 (ppm)	Scale 5 (ppm)	Unit conversion (guide) (g/year)
R600a (Isobutane)	R600A	10	30	150	500	2000	Approx. 2.7
R290 (Propane)	R290	10	50	200	500	2000	Approx. 2.1
Freon 123	R123	20	100	500	2000	5000	Approx. 14.4
Freon 134a	R134A	20	100	500	2000	5000	Approx. 9.58
Freon 142b	R142B	10	50	100	200	500	Approx. 4.7
Freon 22	R22	10	50	200	1000	3000	Approx. 4.1
Freon 32	R32	10	50	200	500	2000	Approx. 2.4
Freon 23	R23	10	50	200	500	2000	Approx. 3.3
Freon 407C	R407C	10	50	200	500	2000	Approx. 4.0
Freon 410A	R410A	10	50	200	500	2000	Approx. 3.4
Freon 404A	R404A	10	50	200	500	2000	Approx. 4.6
2,3,3,3- Tetrafluoro propene (HFO- 1234yf)	R1234Y F	10	50	200	500	1000	Approx. 5.3
Freon 507A	R507A	10	50	200	500	1000	Approx. 4.6
Freon 407A	R407A	10	50	200	500	2000	Approx. 4.2

^{**}The unit conversion value (g/year) represents the approximate value at "scale 1" concentration when assuming a pump flow rate of approximately 200 mL/min (constant).

Standard accessories

Numbers in parentheses are part NO.

Protective cover (4126 9248 30)



Tapered nozzle (4126 9249 10)

Hand strap

AA Alkaline batteries (2753 3007 80) *

Replacement waterproof filters 5 pcs (4126 9189 30)

Optional accessories

Numbers in parentheses are part NO.

(4126 9199 20)

Inspection gas (0800 0904 10)



Humidifier tube



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