

# SP-220/SP-220SC GAS LEAK CHECKERS

Toxic, Combustible, Fumigant or CFC Gas Leak



The SP-220 gas leak check range is a simple to operate unit with high sensitivity to a variety of gases. The SC version (SP-220SC) is able to detect super-toxic, combustible and Freon based gases...a total of 40 all together!

An alternative variant exists especially for fumigation type gases (SP220).

The range comes with many new features including an LED light, ingress protection to IP-55, and snapshot data logging. Data logging is easily downloaded onto a PC via USB.

The lightweight yet robust design weighs in at just 215g making it the ideal alternative to gas detection tubes. Powered by 2 x AA batteries the unit is ready to go and not held back by being out of charge, giving up to 12 hours run time.

When detecting leaks the unit is able to change sensitivity levels depending on the gas chosen, ensuring the best possible indication of leak size.

Built with a new sensor resistant to silicone poisoning and a new charcoal filter this new instrument is the latest in Gas Leak Checker technology.

Contact our friendly sales team for more information regarding specific requirements.



*Includes a built-in LED light to make it easier in dark places.*

## KEY FEATURES

- Target gas selectable from a list of 40 gases (Type SC) and 7 gases (Type FUM)
- Calibration to only one gas (PH3) is needed
- Data logging / Snapshot logging
- High speed, low concentration readings
- Sensor detects as low as 0.1ppm
- Up to 12 hours of continuous operation
- Impact-resistant rubber protective over-mold
- IP-55
- Two (2) visual LED alarms
- LED torch light

# SP-220 GAS LEAK CHECKERS

## SP-220 GAS LEAK CHECKER SPECIFICATIONS

No.	Gas name	Display	Conc.Display 1 (ppm)	Display 2 (ppm)	Display 3 (ppm)
1	Phosphine	PH3	0.1	2	4.5
2	Methyl bromide	CH3Br	1	20	100
3	Carbon disulfide	CS2	0.1	-	-
4	Methyl iodide	CH3I	1	10	30
5	Hydrogen cyanide	HCN	1	-	-
6	Sulfuryl fluoride	SO2F2	-	-	800
7	Ethylene dibromide	C2H4Br2	1	10	30

Note 1) [-] : It means they have sensitivity, but there is no value.

Note 2) Alarm accuracy, response time etc. are confirmed with calibration gas (PH3)

Note 3) The measuring results of the gas selection are intended for guidance only. For the most accurate measurement is for calibration gas (PH3)

## GAS SENSITIVITY LEVEL & DISPLAY

SP-220 automatically changes gas sensitivity level depends on target gas.

Gas sensitivity level can be set on 2 (Type SC) scales.

\*Refer to right figures.

How to change the level – Push both [AIR] + [MODE] buttons at the same time

# SP-220SC GAS LEAK CHECKERS

## SP-220C GAS LEAK CHECKER SPECIFICATIONS

No.	Gas name	Display	Conc.Display 1 (ppm)	Conc. Display 2 (ppm)
1	Phosphine	PH3	0.1	2
2	Acetone	C3H6O	1	10
3	Arsine	AsH3	0.2	-
4	Ammonia	NH3	10	-
5	Isobutane	i-C4H1	0.1	10
6	Isopropyl alcohol	IPA	1	10
7	Carbon monoxide	CO	10	30
8	Ethyl alcohol	C2H5OH	1	10
9	Ethylene	C2H4	1	10
10	Vinyl chloride	VCM	1	-
11	Methyl chloride	CH3CL	1	10
12	Xylene	C8H10	1	10
13	Ethylene oxide	EO	1	10
14	Silane	SiH4	0.5	-
15	Methyl bromide	CH3Br	1	20
16	Hydrogen	H2	1	10
17	Trichloroethylene	C2HCL3	10	-
18	Toluene	C7H8	1	10
19	1,2-Dichloroethane	EDC	1	10
20	Sulfur dioxide	SO2	1	-
21	Propane	C3H8	5	20
22	R-134a	R-134a	50	250
23	R-22	R-22	10	50
24	R-32	R-32	0	50
25	n-hexane	n-C6H14	10	50
26	Benzene	C6H6	0.5	10
27	Formaldehyde	HCHO	10	50
28	Methane	CH4	1	20
29	Methyl alcohol	CH3OH	1	10
30	Methylethyl ketone	MEK	1	10
31	Hydrogen sulphide	H2S	0.1	-
32	Diborane	B2H6	0.1	-
33	Germane	GeH4	0.2	-
34	Hydrogen bromide	HBr	10	-
35	Hydrogen chloride	HCL	10	-
36	R-407C	R-407C	10	50
37	Hydrogen selenide	H2Se	0.5	-
38	R-410A	R-410A	10	50
39	R-404A	R-404A	10	50
40	2, 3, 3, 3-Tetrafluoro-propene	CH2CF3	10	30

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### GAS SENSITIVITY LEVEL & DISPLAY

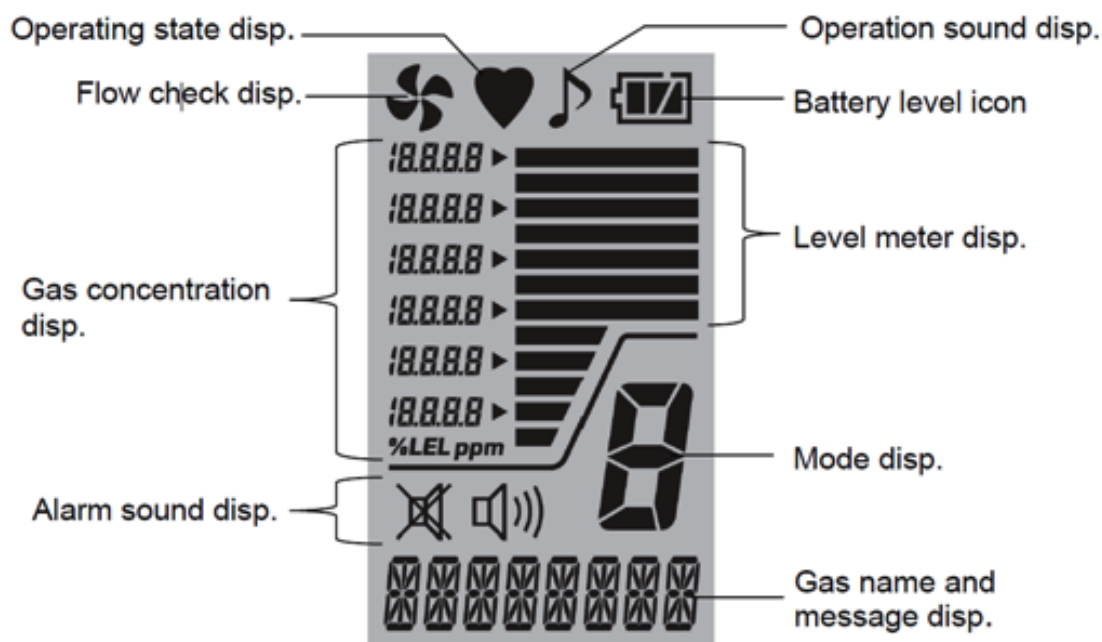
SP-220 automatically changes gas sensitivity level depends on target gas.

Gas sensitivity level can be set on 2 (Type SC) scales.

\*Refer to right figures.

How to change the level – Push both [AIR] + [MODE] buttons at the same time

## SP-220/SP-220SC GAS LEAK CHECKERS



## SPECIFICATIONS

Specifications subject to change without notice

<b>Size:</b>	20 x 4.7 x 4.3 cm / 7.8 x 1.8 x 1.7 in (Taper nozzle not fitted).
<b>Weight:</b>	215 g / 7.5 oz.
<b>Temperature:</b>	-20 to +55°C / -4 to +131°F
<b>Humidity:</b>	0% - 95% RH (non-condensing)
<b>Display:</b>	LCD
<b>Power source:</b>	Two (2) AA dry cell batteries
<b>Typical battery life:</b>	Up to 12 hours
<b>Ingress Protection:</b>	IP 55
<b>Detection principle:</b>	Hot-wire semiconductor method
<b>Sensor:</b>	SH-8662
<b>Measuring range:</b>	*Dependent on target gas
<b>Accuracy:</b>	Displays 0.1ppm-bar when applied PH3 0.3ppm

<b>Alarms:</b>	Gas alarm: Flashing LED, Buzzer Trouble alarm: Flashing LED, Buzzer and display of error message
<b>Alarm method:</b>	Non-latching
<b>Alarm set points:</b>	*Dependent on target gas
<b>Sampling method:</b>	Sample draw
<b>Response time:</b>	10 seconds (time to reach 0.1ppm when 0.3ppm of PH3 applied)
<b>Communications:</b>	IrDA
<b>Standard accessories:</b>	Hand strap, Taper nozzle, Protection rubber cover, Alkaline batteries (x2)
<b>Part number:</b>	

\*For information on the other models available please contact our sales team



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