

SPsecure

Gas leak monitor

Combustible Gas(CH_4 , H_2)



- External protective rubber case for shock protection
- Sampling pump internally installed structure
- High performance audible(95dB), visual, alarm
- Setting High, Low alarm function
- Automatic checking function of the sensor trouble
- Compact and lightweight
- On-off function for the pump and buzzer
- Digital concentration indicator
- Explosive proof structure
- Rechargeable battery is compatible with alkaline battery

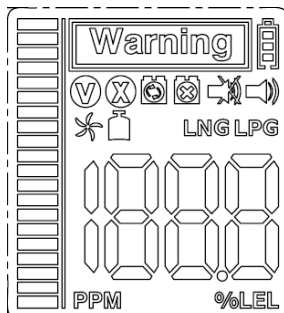
- Workplaces
 - Petrochemical plant
 - Shipbuilding yard
 - Sewage treatment plant
 - Mine
 - LPG/LNG Vehicle inspection
 - LPG cylinder/Pipe leakage inspection

Gas leak monitor which has been designed to check the leakage of LPG/LNG(CH_4) or H_2 and similar workplaces. It operates for 12 hours with rechargeable battery and more with alkaline battery. It is extremely small lightweight and is low priced. The small size and light weight make the SPsecure ideal for personal use. If the concentration of gas reaches a dangerous level, the SPsecure automatically makes LCD indicator as well as audible alarms. For the convenience of the users, a high-quality microprocessor is installed and contains automatic zero-calibration function and easy span-calibration function. The loud audible alarm and LCD concentration indicator are easily recognized.

Specification

Model	SP secure	
Detecting Gas	LNG, LPG	Hydrogen(H ₂)
Sampling Method	Internal Sampling Pump, flow rate 0.5 liter/min.	Internal Sampling Pump, flow rate 0.5 liter/min.
Sensor Type	Catalytic	Electrochemical
Detecting Range	0~100%LEL	0~1000 ppm 0~2000 ppm
Response Time	5 sec.	5 sec.
Resolution	50 ppm	1 ppm
Display	Digital LCD(Alarm, Buzzer, Pump On-off, Battery)	Digital LCD(Alarm, Buzzer, Pump On-off, Battery)
Alarm	Buzzer alarm & LCD Display	Buzzer alarm & LCD Display
Gas Concentration Display	0~1% LEL – digital bar 1~100% LEL – numerical display	0~20 ppm – digital bar 0~1,000 ppm – numerical display
Explosion Proof	Sensor : Ex d IIC T6 Detector : Ex ia IIC T4	Ex ia IIC T4
Operating Temperature	- 20 °C ~ 50 °C	- 20 °C ~ 50 °C
Power	Recharger or AA Alkaline battery 3ea	Recharger or AA Alkaline battery 3ea
Continuous Operation	More than 12 hours	More than 16 hours
Dimensions / Weight	55m(W) x 241mm(H) x33 mm(D) / 260g	55m(W) x 241mm(H) x33 mm(D) / 260g
Options	Extension Probe and Charger adapter	Extension Probe and Charger adapter

LCD display



- test pass
- Test Failure
- Detecting gas mode
- Detecting gas mode
- Buzzer off
- Buzzer on
- Sampling pump on
- Sampling pump off
- Battery
- Fresh air calibration
- Single gas calibration