

SA - 150

One for many gases

Stand-Alone Gas Detection System



- 150 plus gases
- Available for Combustible, Toxic and Oxygen
- Very compact & light weight
- Easy to install
- Gas Specific Sensors-minimum interference
- Alarm at fraction of TLV/LEL
- Ideal for Restaurants, Kitchen, Hotels, Ancillary & SSI unit

Gas Detection - The most reliable way



SA - 150

SA-150 is a family of 150 plus stand alone gas detection systems. Each system is specially designed and manufactured to detect a particular gas. This system is available for all types of gases Combustible, Toxic, Oxygen, Ozone etc. These are self contained units containing all essential components of a gas detection system viz. Gas Sensor, Electronics amplifier, Alarm Unit, Visual alarm indicator, audio alarm annunciator and power supply.

These instruments are designed & manufactured with combined objectives of low cost, user-friendliness, very low maintenance, high reliability and good quality.

SA 150 comes in different configurations:

SA 150 standard with internal buzzer



This is ideally used for small kitchens, laboratories, canteens etc. The audio output is low and is suitable for only indoor use. The audibility range is kept limited to a few meters.

SA 150 with in external sounder



This model gives louder sound output audible upto 15/20 meters. This is suitable for relatively larger areas and for small size outdoor applications.

SA-150 with remote sounder



This model is provided with a remote sounder, which can be installed upto 15mtrs. away. Typically, SA 150 is installed indoors and the sounder is installed outside for general alert. This is suitable for areas which may remain unattended.

Special Features

- User friendly - Can be directly installed without special skills
- Fix and Forget - No connections are required except those of remote sounder
- The detector directly can be powered from a 2 pin AC socket
- The detector is installed near the floor for heavier gases like LPG and near the ceiling for lighter gases like Methane. For other gases, the detector is installed near and at the level of point of leakage
- Low maintenance, Low Cost and high reliability
- The alarm is auto resetting type and continues to sound as long as the gas concentration is above the alarm set point
- When the gas concentration decreases below the alarm concentration the LED and the audio go off
- Each instrument is housed in an ABS / Polycarbonate enclosure that is weatherproof to IP65 standard making the instrument proof to highest standard of rain & dust
- All sensors are imported from world known manufacturers of sensors. Sensors of various technologies are carefully selected to suit each target gas and its danger levels

Specifications

- Target Gas** : 150 plus gases such as LPG, CNG, Ammonia, Propane, Chlorine, H₂S, O₂, Ozone etc
- Pilot Lamp** : Green LED, If OFF it indicates either power failure or the unit is in-operational
- Alarm Lamp** : Red LED. If ON it indicates that the gas concentration has exceeded the alarm set value
- Alarm Set Limit** : Fraction of TLV / LEL / %Vol (as relevant)
- Warm-up time** : Each unit, based on sensor used, has a time delay after power up during which the unit warms up to stable condition. The unit can not detect the gas concentration properly during this time. Power down duration and storage conditions also affect the warm up time. This time can vary from few minutes to several hours
- Audio Alarm** : When the gas concentration exceeds the set limit and alarm lamp is ON, the audio alarm is sounded. Some units are provided with a time delay (factory set) for the audio to be operational. This filters short duration gas leaks and false alarms. This delay is generally set below 30 secs
- Response Time** : Each sensor has a response time for which the gas must be present to get detected by the sensor
- Power Supply** : 230V AC-Std, 110VAC, 12VDC, Battery back up optional
- Mounting Style** : Wall or Panel directly. Other methods through accessories
- Digital Display** : Some models are provided with large LCD/LED display which continuously shows the gas concentration as sensed by the sensor
- Relay** : One change over contact (optional)
- Size** : 200 mm x 120 mm x 80mm (excluding protrusions)
- Weight** : <900gms

List of Gases (Partial)

LPG	Ammonia	Benzene
CNG	Ozone	Toluene
CO	NOx	o-xylene
Propane	Alcohol	Tetrachloro ethylene
Butane	CO ₂	Methyl ethyle ketone
Organic Solvents	Gasoline Exhaust gas	Ethylene
Freon	Diesel Exhaust gas	Ethylene oxide
Hydrogen	Iso-butane	Hydrogen sulphide
Chlorine	Ethanol	Sulphur dioxide
Oxygen	Hexane	Hydrogen Chloride

Specification Subject to change without prior notice



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