

SENSALARM[®]

- Plug-in Intelligent Sensors
- Integral Horn and Strobe
- NEMA 4X, UL Listed Enclosure
- Magnetic Non-intrusive Interface
- Local or Remote Sensor
- 4-20 mA and Modbus (RS-485) Outputs
- 115/230 VAC Operation

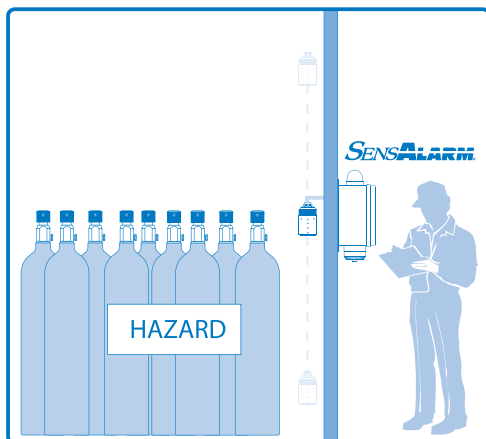
SensAlarm[®] is the easiest to implement and most reliable single point monitoring system available! Connect power and plug in the SensAlert[®] sensor and SensAlarm will automatically configure the system for gas type, range, engineering units and default alarm levels.

With active temperature compensation, the sensors are virtually drift-free and provide significantly reduced maintenance. SensAlarm is the best shelter or room monitor for toxic and combustible gasses and Oxygen deficiency hazards.

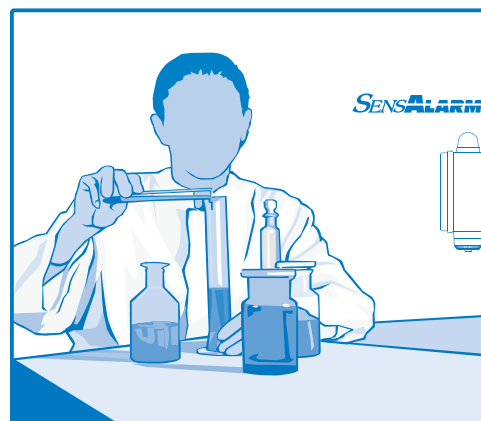
The non-intrusive, menu driven calibration provides fast functional checks (under 2 minutes), and the new calibration data is written into sensor non-volatile memory. This feature also allows for shop calibration and hot-swapping in the field. SensAlarm comes standard with a horn, strobe and three user configurable relays to maximize functionality.



SENSALERT
A member of the SensAlert family.



Gas Room Application - Sensor can be remote mounted at the ceiling, breathing or floor height depending on the gas hazard.



Chemical or Research Lab Application - Sensor mounted to detect Oxygen deficiency at breathing height to protect employees.

PRODUCT SPECIFICATIONS

ENCLOSURE

Material Fiberglass.
 Description UL listed, NEMA 4X Rated
 Type Wall mount with tabs & threaded inserts.
 Overall Size 10 (W) by 17 (H) by 6.5 (D) Inches, 25.4 (W) by 43.2 (H) by 16.5 (D) cm.
 Weight 8.3 lbs. (3.8 Kg) including sensor.
 Conduit 3/4 inch EMT connector supplied (side).
 Temperature -4° to 122°F (-20° to 50°C).
 Humidity 5-95 %RH, non-condensing.
 Service Indoor or Outdoor Locations.

DISPLAYS & CONTROLS

LCD Display Alphanumeric (Value, Gas, & Units).
 LED Display 3 Digit x 1.5 Inch Red LED (Value).
 Indicators Power LED, Alarm LEDs (Fail, Low, High), Zero, Program, and Span LEDs.
 Controls Zero, Program, & Span magnetic switches for non-intrusive calibration and adjusting alarms.

SENSORS

Configuration Diffusion, Sampling, or Duct Mount.
 Specifications See individual sensor data sheets.
 Types All Oxygen, Toxic, & Combustible SensAlert sensors. SensAlarm has automatic sensor recognition and system configuration for whatever sensor type that is plugged into it.
 Calibration Known zero and span gases should be applied to sensor at regular intervals to functionally test and calibrate all system components.
 Accessories Many application accessories for remote sensors, duct mount, battery back-up and aspirated sample draw are offered. Consult factory for detailed specifications.
 Materials Sensor retaining ring, splashguard, and most other accessories are made of PVC or Delrin®.

ELECTRICAL

Design Microprocessor based with integral nonvolatile memory. Automatic resume on power failure.
 Power 85-264 VAC, 50/60 Hz or 24 VDC.
 Outputs Non-isolated 4-20 mA (750 ohm load), RS-485, Modbus RTU Protocol, two or four wire operation.
 Strobe Red lens flashing strobe (NEMA 4X).
 Horn 110 dB warbling horn (configurable).
 Alarm Relays SPDT, 6 Amps @ 115VAC or 24VDC, User accessible SPDT Fault, Low & High Alarm Relays. Additional relays for Strobe & Sounder. Note: Alarm values stored in non-volatile memory.
 Diagnostics Missing or non-functional Sensor, Calibration zero or span failure.
 Warranty One year from start-up date or 18 months from date of shipment, whichever comes first.
 Approvals CE Mark, UL Listed Enclosure

ORDERING INFORMATION

Description	Part Number	Description	Part Number
SensAlarm Gas Monitor	7013623	Common SensAlarm Sensors*	
SensAlarm unit for remotely mounted sensor		Carbon Monoxide (0-100 ppm)	195272-D-1
General Purpose Remote Kit...	7013623R-GP	Combustible Gases (0-100 %LEL)	111250-D-1
XP Remote Kit	7013623R-XP	Hydrogen (0-1000 ppm).....	101332-D-1
Calibration Cup	7011668-1	Hydrogen (0-100 %LEL)	101236-D-1
Transportable Battery Back-up Option	7XXXXX-1	Hydrogen Sulfide (0-100 ppm) ...	062272-D-2
Calibration Gases		Oxygen (0-25 %vol)	403162-D-1
Please contact factory for certified zero or span gases and calibration accessories.		Oxygen (Membrane Type).....	403172-D-3

*Many other gases and ranges are available.

INTEGRAL BATTERY BACK-UP OPTION

60 minute internal battery back-up under full alarm conditions (up to 5 hours normal operation) consisting of two rechargeable batteries, charging circuit, current limiting and low voltage cut-off. Red LED for unit on, green LED for battery back-up enabled and internal switch to turn off unit to permit charging without operation. A handle is provided to carry and hang the SensAlarm along with a secure line cord. The enclosure is ventilated for this option and is drip-proof but not NEMA 4X rated. The added weight of the batteries and accessories is 3.2 lbs.

SAMPLE A & E SPECIFICATION

Contractor shall supply and install a single point gas monitoring and alarming system in a NEMA 4X, UL listed enclosure for (specify gas) to be mounted outside the (specify area). The system shall have integral relays, a strobe and horn for local alarming purposes, plus a failure alarm relay contact. Local LEDs (3) shall provide alarm status. Plug-in sensors for Oxygen and all common toxic and combustible gases shall be interchangeable without any reprogramming of the system. Optional 60 minute integral battery back-up will be furnished.

The unit will display the monitored gas value on a 1.5 inch minimum height, ultra-bright, 3 digit LED display, and also have a separate display for the gas name and engineering units. 4-20 mA and RS-485 (Modbus protocol) outputs will be provided.

The sensor shall be temperature compensated and intelligent to minimize drift and maintenance intervals, and will be mounted in the (floor, breathing, or ceiling) zone. The contractor will provide a one year supply of spare parts, calibration gas and kit, system start-up and training of owners' personnel.

The contractor will observe NFPA 70 requirements for installing the gas detection. The system shall be SensAlarm, as manufactured by Sensidyne, Inc., or approved equal.

Distributed By:

Sensidyne products are third party approved to many different international codes and standards. Please consult individual product bulletins for approval listing.

