

SENSALARM PLUS

The *Advanced All-In-One Gas Detection System*

All-In-One Gas Monitor

Advanced Single Point Gas Detection System
1 or 2 Double-flash Strobes, Horn and Reset
Optional Battery Back-up

Intelligent *Plus* Sensors

Percent Remaining Sensor Life
Auto-recognition and Configuration
Uploads Gas Application Data / Alarms
Time-stamped Alarm and Calibration Data

Flexible Installation or Maintenance

Non-intrusive Configuration / Maintenance Interface
Remote Sensor / Gassing, Duct Mount or Sample Draw
Mount Sensor up to 100 Feet Away with 4 Conductor Cable

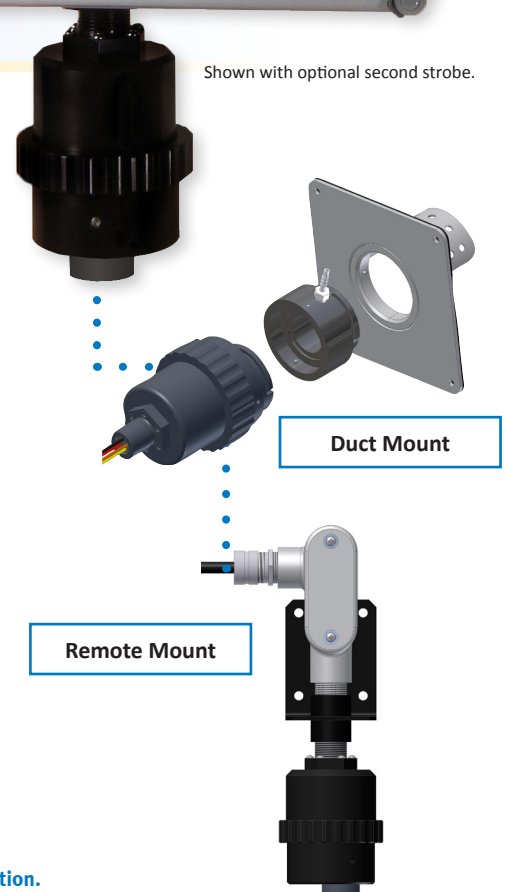


Shown with optional second strobe.

SensAlarm *Plus* is a complete gas detection system in one enclosure. The system is fully equipped with strobe, horn, high-visibility four-digit LED Display and LCD Display / Interface. At the core of SensAlarm *Plus* is an advanced Intelligent Sensor platform with non-volatile memory for all key application variables and sensor data. A non-intrusive user interface enables operational customization and access to sensor life parameters, TWA alarms, calibration data and other information with date and time recording.

The SensAlarm *Plus* sensor head is universal in that it accepts all Sensidyne *Plus* sensors. Monitoring in high, low or adjacent locations is simplified by remote mounting the sensor head using 4 conductor cable. The automatic uploading of variables, alarm values and sensor information when a sensor is plugged in greatly simplifies installation and maintenance. Transportable calibration allows sensor calibration at the point of installation or in a workshop, then hot-swapping the sensor in the field.

SensAlarm *Plus* is the ideal gas monitoring solution for labs, gas cylinder storage, industrial work areas, control room protection or any other applications where users benefit from a packaged gas detection system that works with all SensAlert *Plus* sensors.



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Ordering Guide

INSTRUMENTS & ACCESSORIES

SensAlarm Plus Monitor	820-0301-01
SensAlarm Plus Monitor with 2nd Strobe	820-0301-03
SensAlarm Plus Monitor with Battery Back-up.....	820-0301-02
SensAlarm Plus Monitor with Battery Back-up and 2nd Strobe	820-0301-04
Remote Sensor Kit	821-0301-01

SENSORS

Acetylene IR – 50% LEL.....	823-0249-51
Ammonia – 100 ppm	823-0201-21
Ammonia – 50 ppm.....	823-0201-22
Ammonia – 300 ppm	823-0201-41
Ammonia – 500 ppm	823-0201-42
Carbon Dioxide IR – 5.00% Vol.	823-0205-52
Carbon Monoxide – 100 ppm low interference to H ₂	823-0219-41
Carbon Monoxide – 500 ppm low interference to H ₂	823-0219-42
Carbon Monoxide – 1000 ppm low interference to H ₂	823-0219-43
Carbon Monoxide – 100 ppm.....	823-0219-23
Carbon Monoxide – 500 ppm.....	823-0219-22
Chlorine – 10.0 ppm	823-0202-21
Chlorine – 5.00 ppm	823-0202-22
Chlorine – 20.0 ppm	823-0202-23
Chlorine (H2S Resistant) – 10.0 ppm	823-0202-41
Chlorine (H2S Resistant) – 5.00 ppm	823-0202-42
Chlorine (H2S Resistant) – 100 ppm	823-0202-43
Chlorine Dioxide – 1.00 ppm	823-0239-41
Combustibles IR – 100% LEL.....	823-0211-51
Combustibles Catalytic Bead, General – 100% LEL.....	823-0211-31
Comb. Catalytic Bead H2, ETO, Acetylene – 100% LEL	823-0211-32
Ethylene Oxide (ETO) – 10.0 ppm.....	823-0245-21
Fluorine – 10.0 ppm	823-0215-21
Fluorine – 25.0 ppm	823-0215-22
Hydrogen Chloride – 10.0 ppm.....	823-0208-21
Hydrogen Chloride – 20.0 ppm.....	823-0208-22
Hydrogen Cyanide – 20.0 ppm	823-0203-21
Hydrogen Fluoride – 10.0 ppm.....	823-0207-21
Hydrogen Fluoride – 20.0 ppm.....	823-0207-22
Hydrogen Specific Electrochemical LEL – 100% LEL.....	823-0210-41
Hydrogen Specific PPM – 1000 ppm	823-0210-21
Hydrogen Sulfide – 100 ppm	823-0206-21
Hydrogen Sulfide – 50 ppm	823-0206-22
Nitric Oxide – 100 ppm.....	823-0242-21
Nitrogen Dioxide – 10.0 ppm.....	823-0221-21
Oxygen – 25.0%Vol.....	823-0240-21
Ozone (also PLUS 1.00 ppm) – 2.00 ppm.....	823-0243-22
Phosgene – 1.00 ppm.....	823-0247-21
Sulfur Dioxide, H2S Filtered – 20.0 ppm.....	823-0218-21
Sulfur Dioxide, H2S Filtered – 10.0 ppm.....	823-0218-22

Contact factory for additional sensor information or specifications.



Specifications

SENSORS

Gas Sensors All Sensidyne Plus sensors
ToD: Test-On-Demand available for specific toxic sensors.

ELECTRICAL

Design Microprocessor based with nonvolatile memory.
Automatically resumes operation after power failure.
Power 100-240 VAC, 50/60 Hz or 20-30 VDC.
Battery Optional battery back-up available
Outputs 4-20 mA into 600 ohms; Optional
RS-485, Modbus RTU Protocol,
Strobe Red lens flashing strobe (NEMA 4X) standard with optional
dual strobes with red and amber strobe.
Horn..... 95 dB piezo horn
Alarm Relays... SPDT, 6 Amps @ 120VAC or 24VDC, User accessible SPDT Fault, Low &
High Alarm Relays. Additional relays for Strobe & Sounder. Note: Alarm
values stored in non-volatile memory.

ENCLOSURE

Material Fiberglass.
Description UL listed, NEMA 4X Rated
Type Wall mount with tabs & threaded inserts.
Overall Size 9.75 (W) by 20 (H) by 6.4 (D) Inches,
24.8 (W) by 50.8 (H) by 16.3 (D) cm.
Weight 9.75 - 13.75 lbs. (4.4 - 6.3 Kg) including sensor
Conduit 3/4 inch EMT connector supplied (side).
Temperature... -4° to 122°F (-20° to 50°C).
Humidity 0-90 %RH, non-condensing.
Location Indoor or Outdoor
Sensor Head ... Sensor head enclosure and retaining ring are black anodized aluminum;
splash guard, and most other accessories are made of PVC.

DISPLAYS & CONTROLS

LCD Display Alphanumeric (Value, Gas, & Units).
LED Display 4 Digit x 1.5 Inch Red LED (Value).
Indicators..... Power source LEDs (AC, DC and Battery), Alarm and corresponding to
magnetic keypad LEDs: (1 & OK; 2 & << [Go Back];
3 & ▲; 4 & ▼)
Security..... Password Protected Configuration Menu
Auto Config..... System automatically senses the presence of optional modules and
features
Reset/silence .. External push button switch for acknowledge (Alarm sequence 3A)
Annunciators .. Audible (+95db) & Visual single strobe with optional second strobe
Note: Refer to certification documents and datasheets for specific approval and
configuration information.