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.

See reverse for additional specifications and ordering information.
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
Ammonia – 50 ppm ................................................................. 823-0201-22
Ammonia – 100 ppm ............................................................... 823-0201-21
Ammonia – 300 ppm ............................................................... 823-0201-41
Ammonia – 500 ppm ............................................................... 823-0201-42
Carbon Dioxide IR – 5.00% Vol ................................................ 823-0205-53
Carbon Monoxide – 100 ppm low interference to H₂ ............... 823-0219-41
Carbon Monoxide – 500 ppm low interference to H₂ ............... 823-0219-42
Carbon Monoxide – 1000 ppm low interference to H₂ ............. 823-0219-43
Carbon Monoxide – 100 ppm ................................................... 823-0219-23
Carbon Monoxide – 500 ppm ................................................... 823-0219-22
Chlorine – 5.00 ppm ............................................................... 823-0202-22
Chlorine – 10.0 ppm ............................................................... 823-0202-21
Chlorine – 20.0 ppm ............................................................... 823-0202-23
Chlorine (H₂S Resistant) – 5.00 ppm ....................................... 823-0202-42
Chlorine (H₂S Resistant) – 10.0 ppm ....................................... 823-0202-41
Chlorine (H₂S Resistant) – 100 ppm ....................................... 823-0202-43
Chlorine Dioxide – 1.00 ppm ................................................... 823-0239-41
Combustibles Catalystic Bead, General – 100% LEL ................. 823-0211-31
Combustibles Catalystic Bead H₂, ETO, Acetylene – 100% LEL 823-0211-33
Ethylene Oxide (ETO) – 10.0 ppm ......................................... 823-0245-21
Fluorine – 10.0 ppm ............................................................... 823-0211-21
Fluorine – 25.0 ppm ............................................................... 823-0211-22
Hydrogen Chloride – 10.0 ppm .............................................. 823-0206-21
Hydrogen Chloride – 20.0 ppm .............................................. 823-0206-22
Hydrogen Fluoride – 10.0 ppm ................................................. 823-0207-21
Hydrogen Fluoride – 20.0 ppm ................................................ 823-0207-22
Hydrogen Specific Electrochemical LEL – 100% LEL ............. 823-0210-61
Hydrogen Specific PPM – 1000 ppm ......................................... 823-0210-21
Hydrogen Sulfide – 10 ppm .................................................. 823-0206-23
Hydrogen Sulfide – 50 ppm .................................................. 823-0206-22
Hydrogen Sulfide – 100 ppm .................................................. 823-0206-21
Nitric Oxide – 100 ppm .......................................................... 823-0242-21
Nitrogen Dioxide – 10.0 ppm .................................................. 823-0221-21
Oxygen – 25.0% Vol ............................................................... 823-0240-22
Ozone (also PLUS 1.00 ppm) – 2.00 ppm ................................... 823-0243-22
Phosgene – 1.00 ppm ............................................................. 823-0247-21
Sulfur Dioxide, H₂S Filtered – 10.0 ppm ................................ 823-0218-22
Sulfur Dioxide, H₂S Filtered – 20.0 ppm ................................ 823-0218-21

MANY ADDITIONAL SENSOR TYPES—
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, HART
Strobe ………. Red lens flashing strobe (NEMA 4X) standard with optional
dual strobes with red and amber strobe.
Horn …………. 95 dB piezo horn
Relays ………. One (1) SPDT Configurable Fault Relay
(Standard Configuration Energized/Failsafe)
Three (3) SPDT Configurable Relays
Contact Ratings: 6 Amps at 120 VAC or 28 VDC Resistive

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
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

APPROVAL RATINGS
TUV ………….. CAN/CSA C22.2 No. 61010-1-2004
UL 61010-1:2005
NOT APPROVED FOR USE IN HAZARDOUS CLASSIFIED AREAS.