



# Advanced Point Gas Detector for Critical Safety Applications.



**Detection at every point.** 

# SENSALERT PLUS

Universal Point Gas Detector Accepting Combustible (Infrared or Catalytic), Toxic, and Oxygen Gas Sensors



## **Highest Reliability and Function**

Predictive Sensor End-of-Life Indication Missing or Non-functional Sensor Indication Sensor Test-On-Demand, with On-board Gas Generator

## **Intrinsically Safe Sensor Head**

Shop Calibrate and Hot-swap Gas Sensors in Classified Areas Mount Sensor up to 100 ft./30 m. Away Without Rigid Conduit

## **Intelligent SensAlert** Plus Sensors

Auto-recognition and Set-up from Sensor Memory Provides Operating Parameters and Diagnostics for All *Plus* Transmitters

### **International Performance Approvals**

Performance Tested and Certified to FM and ATEX Standards Unrestricted Hazardous Classified Area Installation and Operation

## **Flexible Installation or Retrofit**

2-Wire and 3-Wire Transmitters with Enclosure Options Non-intrusive Configuration and Maintenance Interface Remote Sensor / Gassing, Duct Mount and Sample Draw Configurable Alarms: Fault Conditions and Test-on-Demand

#### **Increased Reliability**

Intelligent and dependable firmware monitors the intelligent *Plus* sensor for changes that could effect performance. Sensor condition and maintenance notifications are displayed locally and can be sent to a controller or facility monitoring system via on-board relays, a virtual relay (assignable to a fault current), RS-485 Modbus, or HART. This thorough monitoring provides increased reliability.

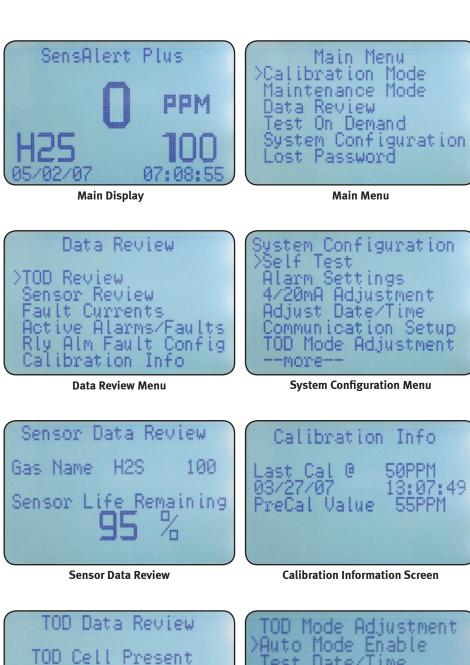
#### Simple to Install & Maintain

The SensAlert *Plus* Intrinsically Safe sensor head can be remote mounted up to 100 feet (30m) from the transmitter providing greater flexibility to position the transmitter in an personnel-accessible location while positioning the sensor closer to potential hazards. A wide range of sensors, accessories and remote gassing/sampling systems further simplify maintenance and provide installation flexibility.

#### **Reduced Cost of Ownership**

Shop or field calibrate, then swap sensors under power to minimize maintenance and calibration time. A large backlit alphanumeric display with a non-intrusive user interface allows for configuration, setup, and data review without declassifying a hazardous area. SensAlert *Plus is a* universal transmitter allowing facility standardization across gas types, sensor technologies, and sensor ranges.

## Detection at every point.





## SENSALARM PLUS

SensAlarm *Plus* is a complete single point gas detection system comprised of a gas detection transmitter, sensor, power supply, outputs, and annunciation. This system is extremely cost-effective and easy to install. SensAlarm Plus is compatible with all SensAlert Plus sensors and accessories.



Last 05/01/07 16:15 PPM Passed @ 4 Sec

Test-on-Demand<sup>™</sup> Data Review

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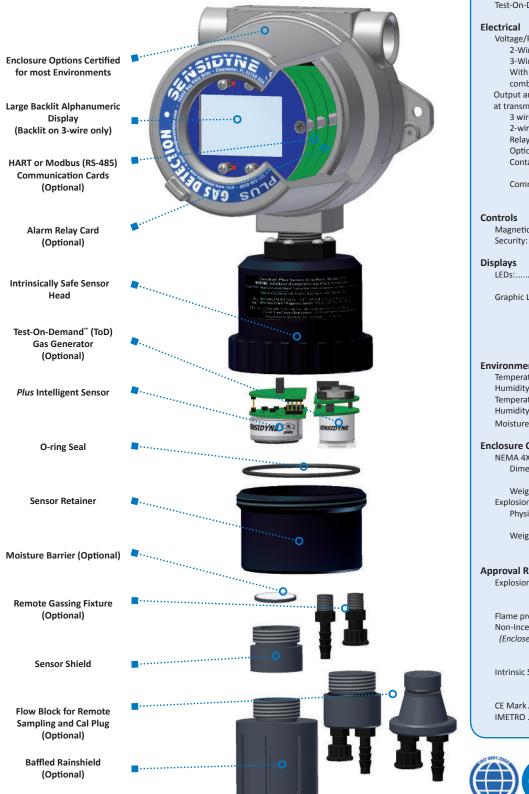
Auto Mode Disabled

Date/Time est Between Tests ays Intensity Output Indicators Fault Indicators

#### **TOD Mode Adjustment**

## SENSALERT, PLUS

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Technical Specifications	
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Sensors	
Gas Sensors: Electrochemical, Infrared, Catalytic Bead	
Test-On-Demand Modules:Type C and Type S	
Electrical	
Voltage/Power:	
2-Wire 24 VDC (18-30 VDC):	
3-Wire 24 VDC (12-30 VDC):	
With Opt. Relay Card and	
combustible sensors:	
Output and load resistance with 24 VDC	
at transmitter terminals:	
3 wire 4-20 mA:	
2-wire 4-20 mA:	
Relay:3-Wire Only - One SPDT Configurable Relay	
Optional Card:Three (3) SPDT Configurable Relays Contact Ratings:5 Amps at 115 VAC or	
30 VDC Resistive	
Communication Link 4-20mA current, non-isolated	
2 or 3-wire options, RS-485 (Modbus), HART	
Controls	
Magnetic Keypad:OK, << (Go Back), ▲, ▼	
Security:Password Protected Configuration Menu	
Displays	
LEDs:Four (4) Red, corresponding to magnetic	
keypad, and Alarm Relays when equipped.	
Graphic LCD:	
3-wire transmitters); displays Concentration	
and Measuring Units, Gas Name or Type,	
Sensor Span, Date and Time, Tag Number	
and System messages or Warnings	
Environmental	
Temperature (Transmitter):40°F to 158°F /-40°C to 70°C	
Humidity (Transmitter)	
Temperature (Sensor): See Sensor Data Sheets	
Humidity (Sensor): See Sensor Data Sheets	
Moisture Resistance IP54; IP56 with optional rainshield	
Enclosure Options	
NEMA 4X:Polycarbonate Dimensions:	
190 mm W x 320 mm H x 157 mm D	
Weight Range:	
Explosion-proof	
Physical: 5.5" W x 12.3" H x 4.6" [6.4"] D	
	0 mm W x
Weight Range:	
Note: Brackets indicate large dome depth.	
Approval Ratings	
Explosion Proof NEC and CEC Class I Div 1,	
Grps A, B, C, D;	
Class II Grps E, F, G; Class III T4	
Flame proofATEX EEx d[ia] IIC T4 II 2 [1] G	
Non-Incendive NEC and CEC Class I Div 2,	
(Enclosed Break) Grps A, B, C, D;	
Class II Grps E, F, G; Class III T4	
ATEX EEx nC [ia] IIC T4 II 3 [1] G	
Intrinsic Safety NEC and CEC Class I Div 1, Grps A, B, C, D; Class II Grps E, F, G; Class III T4	
Class II Grps E, F, G; Class III 14	

E C C C FM US E X NMETRO

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ATEX Directive 94/9/EC ... IEC 60079-0:2006, IEC 60079-11:1999, IEC 60079-15:2007

ATEX EEx ia IIC T4 II 1 G

