

SENSAIR

Industrial Fixed Point Gas Detector

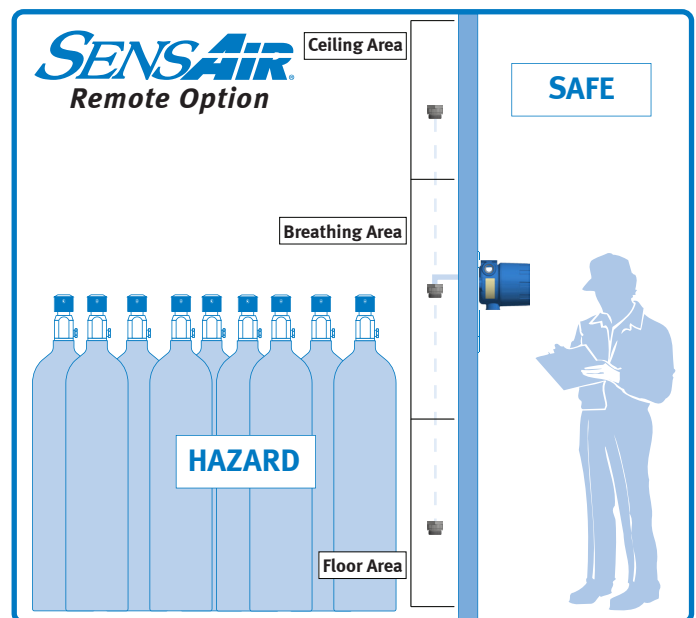
- **Combustible, Toxic, and Oxygen Versions Available**
- **U.S./Canada/IECEx/ATEX Hazardous Area Approved**
- **Rugged, Industrial, Cost Effective Design Meeting a Wide Range of Application and Project Requirements**
- **Robust, Fast Responding Sensors**
- **Bright LED Display or Blind Models**
- **Non-Intrusive Zero & Span Adjustments**
- **Easy Installation and Maintenance, Ideal for Retrofit or New Applications**
- **3-wire Design with 4-20mA Output, Options for Modbus or BACnet—Both include 3 Additional Relays**
- **Horizontal or Vertical Installation**
- **Remote Combustible Sensor Option†**
- **Field Replaceable Sensor**

Reduced Cost of Ownership

SensAir provides options for the instrument enclosure, display, and installation orientation. When combined with premium grade gas sensors, this platform becomes a configurable and reliable solution to meet target installation and application requirements. Its feature set and value make SensAir the ultimate solution for OEM, high-volume, and price-sensitive gas detection applications.

SensAir Gas Detector

SensAir provides a sensible and easy to use platform for detection of gases and vapors in gas monitoring applications. Each SensAir gas detector employs a high-performance sensor for rapid detection in a broad range of target gases and detectable limits.



The Combustible Sensor can be remote mounted up to 100 feet (30m) from the transmitter, to the ceiling area, the breathing area, or the floor area, depending on the gas hazard.

* Combustible approved

** Toxic and O2 approved

† ATEX and IECEx only (additional approvals pending)

Ideal Gas Detector Meeting Wide Range of Application Requirements

SensAir is housed in a rugged explosion-proof enclosure with horizontal or vertical conduit orientation. Display models feature bright LED display and non-intrusive user interface means fast set-up and maintenance. Both the stainless steel and aluminum housing provide excellent corrosion resistance.



"Blind" version omits local display for cost and company's preference.



Hand-held Controller (821-0701-01-R) provides local interface for blind (non-display) models.

Specifications

Sensor

Electro-chemical, Galvanic, or Catalytic Bead

Power Requirement

24 VDC, nominal, up to 6 Watts

Voltage Range

12-30 VDC

Current Consumption (Max)

300mA, typical 125mA

Loop Resistance, including the Termination Resistance

Up to 500Ω

Transmission Link

4-20 mA current source, non-isolated with respect to Common (3 wires)

Operating Temperature

-40° to 167°F (-40° to 75°C) for catalytic bead
-4° to 122°F (-20° to 50°C) for electro-chemical cell

Storage Temperature

-40° to 122°F (-40° to 50°C)

Operating Humidity

0-95% RH, non-condensing

Oxygen Requirement

10% by volume, minimum for catalytic bead sensors
1% by volume, minimum for O2/toxic sensors

Approvals

ATEX II 2G Ex db IIC T4 Gb
IECEX Ex db IIC T4 Gb
Class 1, Division 1, Groups B, C, D

Expected Sensor Life*

O2	2 years
Combustible	3 years
Electro Chemical:	
H2S	3 years
CO	3 years
H2	3 years
NO	3 years

* From ship date

SensAir Sensor Options

Combustible Catalytic Bead*
Oxygen (O2) with SensAir O2

Hydrogen Sulfide (H2S) 50ppm
Hydrogen Sulfide (H2S) 100ppm
Carbon Monoxide (CO) 100ppm
Carbon Monoxide (CO) 250ppm
Carbon Monoxide (CO) 500ppm
Carbon Monoxide (CO) 1000ppm
Nitric Oxide (NO) 100 ppm
Hydrogen (H2) 1000ppm

Consult Factory for Other Gases

*** Highly Robust, Poison Resistant**

SENSAIR Accessories

Calibration Cup
#821-0611-01-R

Flow Block
#821-0612-01-R
(For Sample Draw)

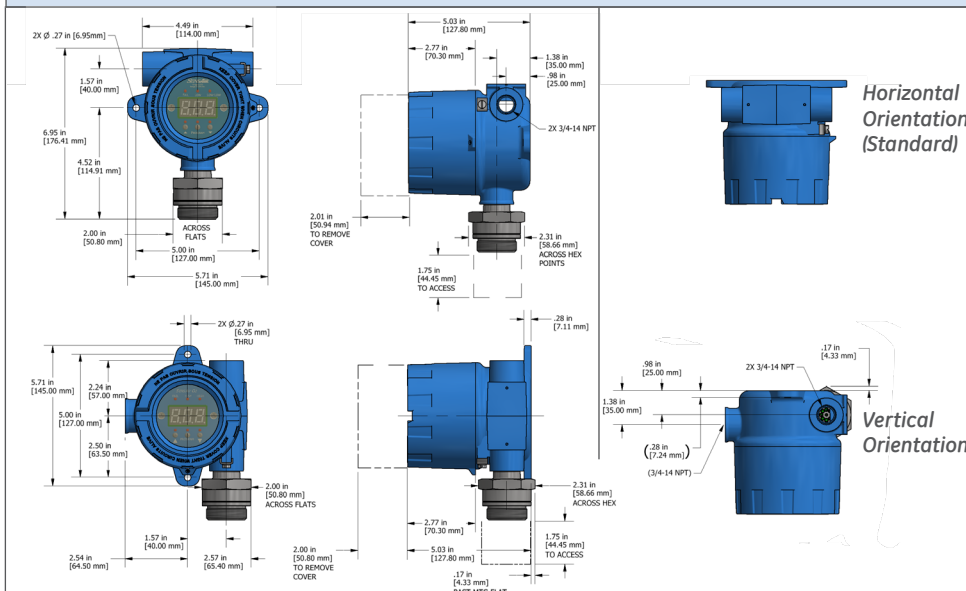
Adaptor
#821-0615-02-R
(For Plus Accessories)



Rainshield
#821-0203-02

Duct Mount
#821-0614-01-R
(Adaptor)

Sensor Shield
#821-0610-01-R
(For Plus Series Calibration Plug)



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