

## Fixed Gas Detectors without Display Toxics, Combustibles and Oxygen Gases & Vapors



### ➤ Features

**no false alarms** utilizing stable and reliable sensor technologies

Highly selective for specified target gas

No zero drift with changes in ambient conditions

One-man calibration with adjustment of potentiometers

Toxics: 2-wire, loop powered; Combustibles: 3-wire connection

Encapsulated electronics offers maximum protection from severe environments

Not affected by temperature -25 deg. C to +50 deg. C

Sensor extender cables available to remote sensor from electronics

Duct mounting kits available

Sample drawing, extractive systems optional

Power requirement: 12 - 30 VDC

Output: standard 4-20mA

Continuous diagnostics

### Options

- Sensor Cable
- Sample Pump
- Duct Mount Kit
- Splash Guard
- Wireless Module
- 110/220 Vac
- Calibration Kits
- 316 SS Enclosure

### ➤ Specifications - Typical (see specific data sheet)

Specifications subject to change without notice due to continuing program of product innovation. See specific data sheets for more information.

Detection Principle:	Electrochemical, Catalytic, Infrared
Detection Method:	Diffusion, Remote Sensor or Sample Drawing with Integral Pump
Detection Range:	Low ppm to % volume (depends on gas type)
Calibration Method:	One-man calibration with adjustment of potentiometers
Operating Voltage:	12 - 30 VDC, 24 VDC nominal
Power Requirements:	0.48 - 1.08 W @ 24 VDC (depends on gas type)
Electrical Connections:	Power (24 VDC) and Signal (4-20mA)
Cable Requirements:	Toxics: 2-wire loop powered; Combustibles: 3-wires connection
Signal Output:	4-20 mA, linear
Resolution:	0.01 ppm/0.1 ppm/1 ppm/0.1% volume/1% LEL (depends on gas type)
Zero Drift:	less than 1% of full-scale typical
Temperature Range:	-25°C to +50°C (depends on gas type)
Humidity Range:	0 - 95% RH, non-condensing (depends on gas type)
Response Time:	<30 sec. to 90% of final reading (depends on gas type)
Recovery Time:	<30 sec. to 90% recovery (depends on gas type)
Sensor Service Life:	> 2 years typical, depends on sensor type and conditions
Electronic Enclosure:	Ex-Proof, alum. or 316 SS, Nema 4x
Enclosure Certifications:	UL/CSA, Class I, Groups B, C, D

Toxic • LEL Combustible • Oxygen • VOCs • Hydrides • Hydrocarbons  
Gas Detection **no false alarms** Fire Detection