

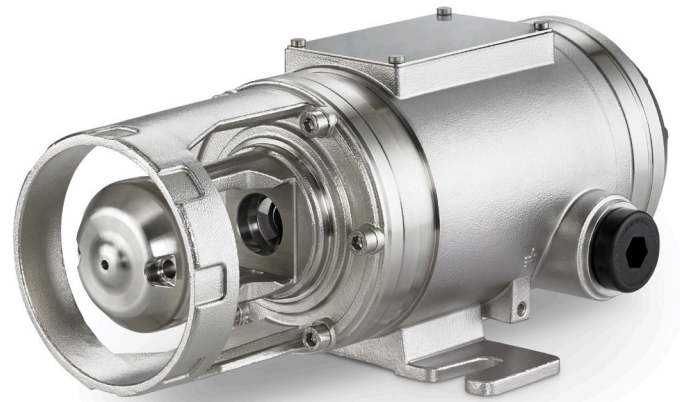
# ROSEMOUNT 625IR FIXED GAS DETECTOR

Ultra-fast response time to help keep workers safe,  
while helping to reduce greenhouse gas emissions.

## Less maintenance, faster response, more confidence

The Rosemount™ 625IR Fixed Gas Detector is factory-calibrated for life, reducing maintenance and complexity. The gas detector provides ultra-fast response times to detect hydrocarbon gases before they can create dangerous situations. With best-in-class hydrocarbon gas leak detection from a brand you trust, take confidence in knowing this gas detector will perform day-after-day.

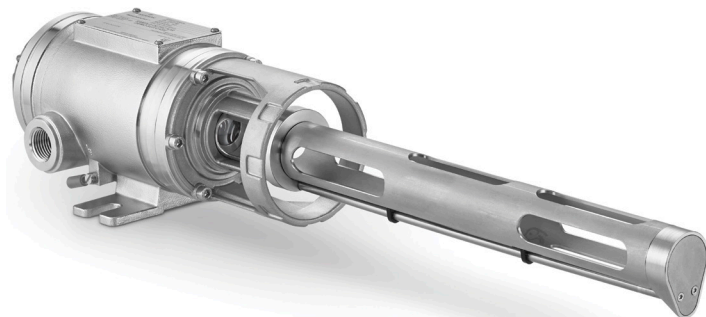
Using optical absorption detection technology, the gas detector transmits infrared light through a sapphire lens. When a gas cloud moves through the detector, some light wavelengths are absorbed by the target gas wavelength, reducing their energy. The light is reflected back into the detector, where the infrared light sensors measure what wavelengths and how much infrared light has been received to determine the gas concentration.



*The Rosemount 625IR Fixed Gas Detector is certified to SIL2, SIL3, ATEX, US and IECEx safety standards.*

## Precise measurement in ducts

Accurate and reliable measurement from inside ducts is a critical safety need. A duct version of the Rosemount 625IR Fixed Gas Detector is available in two lengths – 15 cm (5.9 in) and 35 cm (13.8 in) – giving you even more confidence.



## High-performance gas leak detection

The Rosemount 625IR Fixed Gas Detector offers best-in-class performance specifications in the detection of methane and propane. This includes accuracy, response time and operating temperature range.

## Built for extreme environments

- Designed to operate in ambient temperatures ranging from -40 to +167 °F (-40 to +75 °C) with the standard configuration and -76 to +149 °F (-60 to +65 °C) with the arctic\* configuration
- Approved to the latest hazardous area and performance standards for worldwide use
- Achieves ingress protection levels of IP66/67 and NEMA® 4X

# ROSEMOUNT 625IR FIXED GAS DETECTOR

## Greater protection & more flexibility

The Rosemount 625IR Fixed Gas Detector is available with a range of accessories to help protect the detector from environmental impacts, offer installation flexibility and more.

An adaptor plate provides flexibility when installing the gas detector in place of other manufacturers' detectors without the need for new mechanical fixings.



*Environmental shield, mosquito net and adaptor plate accessories.*

## Best-in-class performance specifications for combustible gases

Specifications	
<b>Measurement Type</b>	Hydrocarbon gases: 0–100% LEL and 0–100% volume*
<b>Sensor Type</b>	Optical absorption infrared sensor
<b>Outputs</b>	Current source or sink 4–20 mA; HART® digital communication
<b>Humidity</b>	0 to 99 percent relative humidity
<b>Detector Status</b>	Multi-coloured status indicator LED at front of detector
<b>Power Consumption</b>	< 3 W average, standard configuration < 5 W average, arctic* configuration
<b>Enclosure Material</b>	Stainless steel 316
<b>Enclosure Rating</b>	IP66/67 and NEMA 4X
<b>Temperature</b>	Storage: -76 to +185 °F (-60 to +85 °C) Operating: -40 to +167 °F (-40 to +75 °C), standard -76 to +149 °F (-60 to +65 °C)*, arctic
<b>Weight</b>	6.6 lb (3 kg)
<b>Accuracy</b>	±2 percent full scale (FS); The accuracy is specified for room temperature, +77 °F (+25 °C).
<b>Warranty</b>	Five (5) year limited warranty
<b>Certifications</b>	SIL2 rated in accordance with IEC61508, SIL3 rated when used in 1oo2 configuration North American - Class 1, Division 1, Groups B, C and D ATEX/IECEX - Ex db ib IIC T5 Gb

\* Feature coming at a later date.  
See Product Data Sheet for additional specifications.

For more information, visit  
[Emerson.com/Rosemount625IR](https://www.emerson.com/Rosemount625IR)

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