

Xgard IR

Xgard IR is an explosion-proof gas detector which uses a dual-wavelength infrared sensor to provide highly dependable detection of hazardous gases and vapours. Xgard IR delivers many advantages of IR technology in an affordable package:

- Fail safe sensor technology
- Immune to poisoning
- No damage by over-gassing
- Fast response
- Does not need oxygen to work

Xgard IR, the gas detector you can trust.

Low cost of ownership

- > 5 year sensor life
- · Low maintenance requirement
- Simple parts replacement
- Lowest power consumption in class (half the consumption of catalytic beads)

Rugged and reliable

- Marine grade aluminium or 316 stainless steel construction
- IP65 ingress protection
- Long-life tungsten IR lamp
- Full temperature compensation
- Accessories available for wet environments
- 2-year warranty

Choice of sensors

- Hydrocarbon for detecting HC gases in flammable concentrations.
- Carbon Dioxide for CO₂ detection in toxic concentrations.

Highly versatile

- Industry standard 4-20mA output
- Compatible with virtually any control system
- ATEX and IECEx hazardous area approvals ensure global acceptance







Specifications Accessories

Enclosure material		Corrosion resistant Aluminium or 316 stainless steel
Size		156h x 166w x 111d mm (6.1 x 6.5 x 4.3 inches)
Weight		1Kg (2.2lbs) Aluminium, 3.1Kg (6.8lbs) Stainless Steel
Ingress Protection		IP65, IP66 with weatherproof cap
Cable Entries		1 x M20 or ½"NPT on right-side (¾" NPT optional)
Power		10-30Vdc. 50mA at 24Vdc, 67mA at 10Vdc
Operating Temperature		-20°C to +55°C (-4°F to +131°F)
Humidity		0 to 95% RH non-condensing
Electrical Output		3-wire 4-20mA (current sink or source)
Terminals		Suitable for up to 2.5mm² cable
Sensor Type		Infrared
Repeatability		+/- 2% FSD*
Zero Drift		+/- 2% FSD/month*
Response time		T90 <30 secs.*
Hazardous area zones		Zone 1 or Zone 2, Zone 21/22
Approvals		II 2 GD Exd IIC T6 (Tamb to +50°C) II 2 GD Exd IIC T4 (Tamb to +80°C) UL Class 1 Div. 1 Groups B,C,D (PENDING) IECEX MED Marine (96/98/EC) (PENDING)
	EMC compliance	EN 50270
	Performance	EN 61779:2000 EN 50271:2001 *As tested in Crowcon laboratories
		As lested in Growcon laboratories



Sun Shield



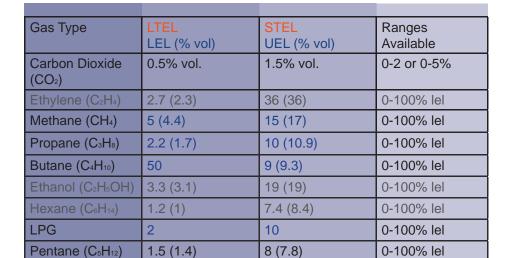
Spray deflector For outdoor use and protection against wash-down operations



Flow adaptor For use in sampling applications



Weatherproof cap
For use in very wet conditions, such as
offshore installations and ships



Collector cone
For aiding detection of gases which are lighter
than air, (eg Methane)



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LEL figures shown in brackets are taken from EN 61779 Part 1:2000 Check with Crowcon for availability

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