IR **PLUS**

Infrared Gas Detector with Intelligent Heated Optics

A dual beam infrared hydrocarbon detector providing real-time, fail-safe detection and exceptional reliability in harsh environments.

IR Plus is a dependable, durable, and exceptionally sturdy dual-beam infrared hydrocarbon gas detector. With optional display capabilities, this device ensures swift and fail-safe detection of methane, propane, and various other hydrocarbon further enhances its reliability, making it an ideal choice for demanding environments.

Industry Leading Warranty
With it's industry leading 5 year warranty, IR Plus offers peace of mind and reduced maintanance costs.

Fast Response Time
With a response time of just 4 seconds, IR Plus gives you the information you need fast.

Intelligent Heated Mirror
Heated optical components combined with Stay-clIR coating ensures reliable performance in high temperature and humidity conditions.

High Stability in Harsh Conditions
IR Plus outperforms it's nearest competitors when operating under high temperature and humidity conditions.

Remote Non-Intrusive Testing
Easily test on-site with options for Fixed Display, Remote Display (up to 3m), and local-HART.

Multiple Outputs
Standard 4-20 mA analogue and RS-485 (Modbus) outputs, plus Local-HART & HART over 4-20 mA options.

MOUNTING OPTIONS

	Wall Mount
	Pipe Mount
	Duct Mount
	Junction Box

DISPLAY OPTIONS

	No Display
	Fixed Display
	IS Barrier
	IS Barrier with Remote Display

crowcon
DETECTING GAS. **SAVING LIVES.**

SPECIFICATIONS

GASES	Methane, Propane Contact Crowcon for more target gases
SIZE	194mm x 119mm x 94.2mm (7.6 x 4.7 x 3.7 ins)
WEIGHT	4.1kg (9.0lbs) IR Plus 4.5kg (9.92lbs) IR Plus with Fixed IR Display 4.9kg (10.8 lbs) IR Plus with IS Barrier Module 0.2kg (0.4 lbs) IR Plus Remote Display
ENCLOSURE MATERIAL	316L Stainless Steel
RESPONSE TIME (T90)	4 seconds
PERFORMANCE	Zero Drift: ±2% FSD per year Repeatability: ±2% FSD Linearity: ±2% FSD
IR SOURCE	Intelligent heated optics with Stay-clIR hydrophobic mirror
OPERATING VOLTAGE	12v DC to 30v DC
POWER	< 5.5 W
OUTPUT	3-wire 4-20 mA (Sink or Source) 2mA dirty optics warning (at 75% obscuration, configurable) 0mA detector fault signal (at 90% obscuration, configurable) RS-485 Modbus HART 7 (optional)
FAULT SIGNAL	<3.6 mA and/or >21mA
CONNECTION/PORT ENTRIES	2 x M20 or 2 x ¾"NPT cable gland entry
OPERATING TEMPERATURE	-40°C to +70°C (-40°F to 158°F)
OPERATING HUMIDITY	0 to 100% RH condensing
DEGREE OF PROTECTION	IP66 (EN60529) IP ratings do not imply that the equipment will detect gas during and after exposure to those conditions
FUNCTIONAL SAFETY	IEC 61508*, EN 50402*, SIL2*
PERFORMANCE STANDARDS	IEC EN 60079-29-1*
HAZLOC STANDARDS	EN IEC 60079-0, IEC 60079-1, IEC 60079-11, IEC 60079-31 EN IEC 60079-0, EN 60079-1, EN 60079-11, EN 60079-31
APPROVALS	ATEX, IECEx, INMETRO, CNEx, PESO*, ECAS*, FM*
EMC COMPLIANCE	EN50270, FCC CFR47 Part 15B, ICES-003
WARRANTY	5 years

*Pending

For more information:
t: +44 (0)1235 557700
e: info@crowcon.com
w: www.crowcon.com

Locate your Regional Sales Representative at:
www.crowcon.com/contact-us/where-to-buy

crowcon
DETECTING GAS. **SAVING LIVES.**