



THE SMART, VERSATILE GAS DETECTOR.

The Xgard IQ is a smart, versatile gas detector/transmitter.

The Xgard IQ transmitter can be fitted with a variety of flammable, toxic or oxygen gas sensors. It has a bright OLED screen that displays clear, comprehensive status information in several languages.

Bright LEDs indicate the status of the detector at a glance. Crowcon's unique LED safety light confirms that the detector is working properly and alerts operators in its presence to any event likely to affect the product's performance, for example if the sensor's ambient temperature limits are exceeded.

The Xgard IQ minimises the amount of time staff have to spend in potentially hazardous areas by employing simple hot-swap sensor modules.



TECHNICAL DATA

Size	10.9 x 5.5 x 3.5 in. (27.8 x 14.0 x 8.9 cm)
Weight	9lbs (4.1kg)
Enclosure material	316 stainless steel
Protection Class	IP66
Connection	Three M20 or 1/2"NPT cable gland entries.
Electrical output	4-20mA current sink or source RS-485 Modbus RTU HART 7 over 4-20mA signal and via local I.S. test points (optional)*
Humidity	Transmitter only: 0 to 95% RH non-condensing
Power Supply	14-30Vdc. < 4W
Relays (optional)	Alarm 1, Alarm 2, Fault - SPDT contacts rated 5A, 230Vac (Fault relay: SPST contacts)
Data logging	Records alarm, fault and maintenance events. Events can be viewed on-screen and downloaded to a PC
Approvals	
ATEX and IECEx, SGS	Ex II 2 G Ex db ia IIC T4 Gb
EMC	"EN50270, EN61000-6-4 FCC CFR47 Part 15B"
Others	IEC61508, EN50402, SIL 2*



REMOTE SENSOR HOUSING

Can be used to position the transmitter in an accessible location, while the sensing head is mounted in the ideal location to detect gas leaks.

Available with a 5m or 15m cable.

SENSORS SPECIFICATION

Gas	Measuring range	Temp range (°F/°C)
Oxygen (O ₂)	25-30 %Vol	-4 to +122 / -20 to +50
Ammonia (NH ₃)	0-50 / 0-100 / 100-1,000 ppm	-4 to +104 / -20 to +40
Carbon Monoxide (CO)	0-250 / 0-1000 ppm	-22 to +122 / -30 to +50
Hydrogen Fluoride (HF)	0-10 ppm	+41 to +122 / +5 to +40
Hydrogen Sulphide (H ₂ S)	0-25 / 0-100 / 0-200 ppm	-22 to +122 / -30 to +50
Ozone (O ₃)	0-1 ppm	-4 to +104 / -20 to +40
Sulphur dioxide (SO ₂)	0-10 / 0-100 ppm	-22 to +122 / -30 to +50
Hydrogen (H ₂)	0-100 %LEL	-40 to +167 / -40 to +75
Methane (CH ₄)	0-100 %LEL	-40 to +167 / -40 to +75
Pentane (C ₅ H ₁₂)	0-100 %LEL	-40 to +167 / -40 to +75
Propane (C ₃ H ₈)	0-100 %LEL	-40 to +167 / -40 to +75
Ethanol (C ₂ H ₅ O)	0-100 %LEL - IR Sensor	-4 to +131 / -20 to +55
LPG	0-100 %LEL - IR Sensor	-4 to +131 / -20 to +55
Methane (CH ₄)	0-100 %LEL - IR Sensor	-4 to +131 / -20 to +55
Pentane (C ₅ H ₁₂)	0-100 %LEL - IR Sensor	-4 to +131 / -20 to +55
Propane (C ₃ H ₈)	0-100 %LEL - IR Sensor	-4 to +131 / -20 to +55