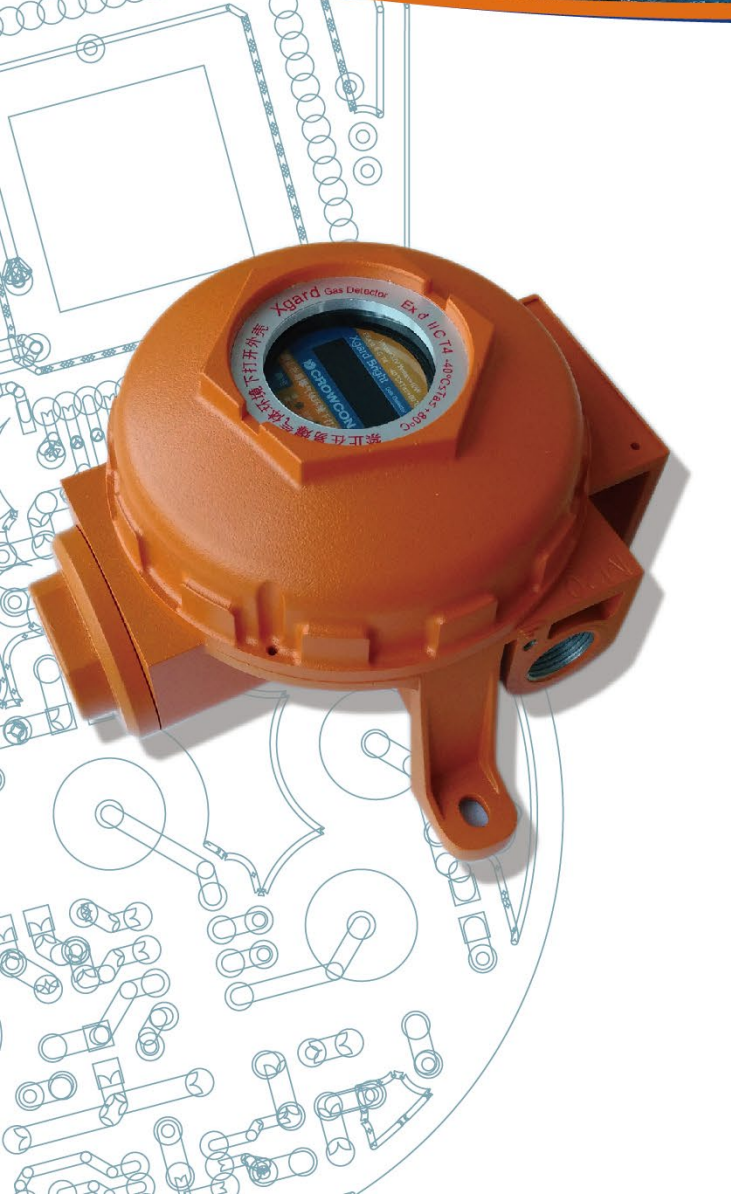


CO₂
H₂S
Cl₂
NH₃
O₃
CO
O₂
CH₄
SO₂
CO₂
H₂S

Xgard Bright

Fixed Point Gas Detectors with OLED Display
Detectors for flammable, toxic and oxygen gases



Xgard Bright

The Xgard Bright range is a comprehensive selection of fixed point gas detectors that meet the diverse requirements for gas detection in industries throughout the world, This includes many water treatment, oil and gas, power, research facility and manufacturing installations.

Advantage

- Low Cost of Ownership
- Flexible Installation Options
- Wide Range of Sensors
- Non-intrusive calibration
- MODBUS/HART (option)
- English/Chinese switch
- Optional Relays for Alarm and fault
- OLED Display

 **CROWCON**
Detecting Gas Saving Lives

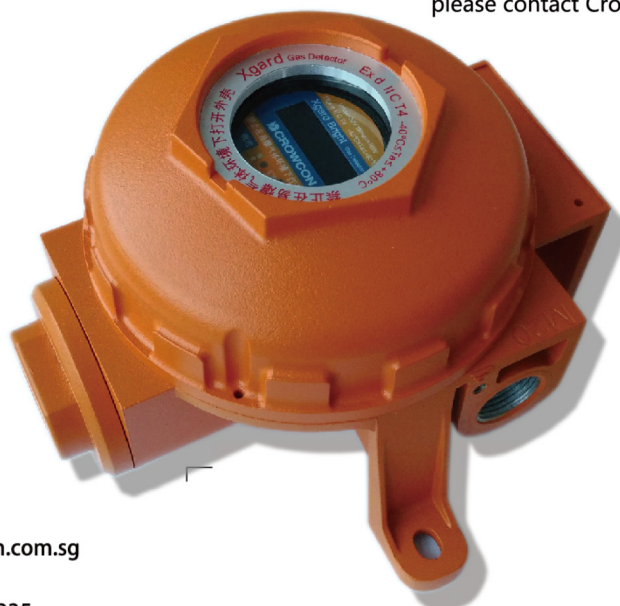
Xgard Specification:

Junction box material	Aluminium or 316 S/S
Dimensions	156×166×109mm (6.1×6.5×4.3inches)
Weight	1Kg (2.2lbs)
Ingress protection	IP65or IP66 (with weatherproof cap)
Cable entries	M20 or M25 or 1 /2" NPT or 3 /4" NPT
Terminations	0.5~2.5mm ²
Sensor type	Electrochemical/Catalytic bead/PID/IR
Operating temperature	-40~60°C (-40~140°F)
Humidity	0-90%RH
Repeatability	+/-2%FSD (Typ.)
Zero drift	+/-2%FSD/month (Typ.)
Response time	T90 <15s to 90s
Operating voltage	10-30V dc
Power requirements	3w max
Display	OLED
Alarm	Sound and Light (Opt)
Relay	Alarm1/Alarm2/Fault Alarm ,
Contact rating	1A@30V dc
Electrical output	4~20mA (Three-Wire) /Modbus /HART(Opt)
Explosive mark	Ex db II C T6 Gb CCCF
Approvals	GB15322.1-2003, GB12358-2008 ATEX and IECEx CoC

Xgard Gases and Ranges:

Gas type	Ranges Available:
Methane (CH ₄)	0-100%LEL
Ethane (C ₂ H ₆)	0-100%LEL
Propane (C ₃ H ₈)	0-100%LEL
Butane (C ₄ H ₁₀)	0-100%LEL
Pentane (C ₅ H ₁₂)	0-100%LEL
Ethylene (C ₂ H ₄)	0-100%LEL
Vinyl Chloride (VCM) (CH ₂ =CHCl)	0-100%LEL or 0-10,50,100ppm
Petrol Vapour	0-100%LEL
LPG	0-100%LEL
Ammonia (NH ₃)	0-25%LEL or 0-50,100,250,500,1000 ppm
Hydrogen (H ₂)	0-100%LEL or 0-200,2000ppm
Hydrogen sulphide(H ₂ S)	0-5,10,20,25,50,100, 200,250,300,1000 ppm
Oxygen (O ₂)	0-25%vol
Carbon Monoxide(CO)	0-25,50,100,200, 250,300,1000,2000 ppm
Sulphur Dioxide (SO ₂)	0-10,20,50,100,250 ppm
Volatile Organics	0~100 ppm
Nitrogen Dioxide NO ₂	0-10,50,100ppm
Xgard Bright IR Carbon Dioxide (CO ₂)	0-2%vv and 5%vv
Xgard Bright IR LEL	0-100% LEL

Notes: Other sensors and ranges may be available, please contact Crowcon.



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