FIXED SYSTEMS

XSAFE **BRIGHT**

Fixed Point Gas Detector with Display

Non-intrusive calibration
MODBUS, HART & relay options

Xsafe Bright is a safe area gas detector capable of detecting flammable and toxic gases and is not certified for installation in hazardous locations.

The 4-wire addressable implementation minimizes cabling requirements, lowering installation costs. The large OLED display ensures users can easily interact with Xsafe Bright during installation, calibration, and routine maintenance without opening the housing.

FEATURES

Long-life Sensors
Choose from robust sensor options such as MPS (10+ years) and IR sensors (10+ years) to reduce the frequency of sensor replacements and minimize operational expenses.

Flexible Communication
Xsafe Bright supports connection to an addressable network using Modbus RS-485 RTU, alongside analogue 4-20 mA output. This setup reduces cable and installation costs while enhancing system flexibility and functionality. HART communication is also available as an option.

OLED Display
The bright OLED display clearly shows gas levels and units, providing comprehensive menus for setup and diagnostics. In low-light conditions, the OLED display offers a higher contrast ratio than conventional LCDs, making it easier to read.

Non-intrusive Calibration
Zero and calibration functions, along with setup, tests, and adjustments, are performed via the display using a magnetic wand.

GAS RANGES & ALARMS

GAS	SENSOR	RANGES AVAILABLE	TEMP. RANGE
Flammable gases*	MPS	0-100% LEL	-40 to +75 °C
Ammonia (NH_3)	Electrochemical	0-50, 100 ppm	-40 to +50°C
Chlorine (Cl_2)	Electrochemical	0-5, 10 ppm	-20 to +50°C
Hydrogen Cyanide (HCN)	Electrochemical	0-25 ppm	-40 to +40°C
Hydrogen Peroxide(H_2O_2)	Electrochemical	0-5 ppm	-20 to +50°C
Sulphur Dioxide (SO_2)	Electrochemical	0-10 ppm	-20 to +50°C
VOC*	PID	0-1000 ppm	-20 to +60°C
Ozone (O_3)	Electrochemical	0-1 ppm	-20 to +40°C
Carbon Dioxide (CO_2)	Infrared	0-5% vol	-40 to +60°C

* Contact Crowcon for more information

CE HART COMMUNICATION PROTOCOL

crowcon
DETECTING GAS. **SAVING LIVES.**

SPECIFICATIONS

ENCLOSURE MATERIAL	ADC 12 aluminium alloy or 316 stainless steel
DIMENSIONS	Aluminium Enclosure: 156 x 166 x 109 mm (6.1 x 6.5 x 4.3 inch) Stainless Steel Enclosure: 165 x 166 x 105 mm (6.1 x 6.5 x 4.1 inch)
WEIGHT	Aluminium enclosure: 1kg (2.2 lbs) Stainless Steel enclosure: 3.1 kg (6.8 lbs)
INGRESS PROTECTION	IP65, EN 60529
CABLE ENTRY	2x M20 or 2x ½" NPT (Stopping plug fitted to the left-side entry)
OPERATING VOLTAGE	10-30Vdc.
POWER	3W max
ELECTRICAL OUTPUT	3-wire 4-20mA (Sink or Source) RS-485 Modbus RTU HART 7 (Optional)
RELAY OUTPUT	Alarm 1, Alarm 2, Fault (SPDT Contacts. Rated 1A, 24Vdc)
SOUNDER	High Side Switch (24V nominal, 12V minimum, 700mA maximum load)
OPERATING TEMPERATURE	-40°C to +70°C (-40°F to 158°F)
HUMIDITY	0 to 95% RH (non-condensing) Contact Crowcon for sensor operating humidity range.
REPEATABILITY	Repeatability: +/- 2% FSD Zero drift: +/- <2% FSD per year
EMC COMPLIANCE	EN 50270, EN IEC 61326-1, EN 55011, CISPR 11, EN 61000-4
APPROVALS	CE
WARRANTY	2 years on transmitter 5 years on MPS flammable and O2 Long Life sensor 2 years on IR flammable sensors Refer to GEN067 – Warranty Periods for other sensors

***Contact Crowcon for availability

Disclaimer
Due to ongoing research and product improvement, specifications are subject to change without notice. While every effort has been made to ensure accuracy in this document, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This document is not intended to form the basis of a contract.

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

© 2026 Crowcon Detection Instruments Ltd.

crowcon
DETECTING GAS. **SAVING LIVES.**