

A blue-tinted photograph of two people in a laboratory or office setting. The person on the left is wearing glasses and a dark polo shirt with a 'CROWCON' logo. The person on the right is also wearing a dark polo shirt with a 'CROWCON' logo. They are both looking at a small device held by the person on the left. The background shows shelves with various items. The image is overlaid with a blue gradient and diagonal orange lines.

Product Guide

Saving lives since 1970

 **CROWCON**



What we do

Crowcon Detection Instruments Ltd was established in 1970 in Oxfordshire, UK. Now part of FTSE 50 Halma plc, Crowcon is a global company that focuses on gas safety and gas sensing technologies.

With an office based in Erlanger, Kentucky and multiple distributors and sales reps across the United States, we're able to reach numerous industries across the region.

Crowcon provides personal and fixed gas detection equipment, air quality monitoring products, tools for heating, ventilation and plumbing contractors as well as a digital gas insights platform to enable compliance and manage data.

Personal, portable and temporary area monitors

Single and multi-gas solutions for the monitoring of oxygen, flammable and toxic gases



Device	Clip SGD	Gasman	T4/T4x	T3
Capability:	1 gas	1 gas	1 – 4 gases	1 – 4 gases
Target gases:	CO, H ₂ S, O ₂	C ₂ H ₄ O, Cl ₂ , ClO ₂ , CO, CO ₂ *, COCl ₂ , F ₂ , H ₂ , HCN, HF, H ₂ S, NO, NO ₂ , NH ₃ , O ₂ , O ₃ , PH ₃ , SO ₂ , flammables	CO, H ₂ S, O ₂ , flammables	CO, CO ₂ *, H ₂ S, HCN, NH ₃ , O ₂ , O ₃ , SO ₂
Sensing technologies:	Electrochemical	Electrochemical, pellistor, infrared, MPs and LLO2*	Electrochemical, pellistor, flammables, MPs and LLO2	Electrochemical, pellistor, infrared*
Sampling:	Diffusion	Diffusion	Diffusion and optional hand aspirator pump	Diffusion
Approvals:	ATEX, IECEx, cCSAus, UL	ATEX, IECEx, CSA	ATEX, IECEx, UL, CUL, MED	ATEX, IECEx, CSA
Customer value:	2 year fixed life delivers low cost of ownership	Full function, rugged & compact. Extensive range of target gases	Delivers compliance, offering unique TWA resume functionality	Top mount display for ease of viewing



Device	Gas-Pro	Gas-Pro TK	Detective+
Capability:	1 – 5 gases	1 – 4 gases	1 – 4 gases
Target gases:	Cl ₂ , ClO ₂ , CO, CO ₂ , H ₂ S, NH ₃ , NO, NO ₂ , O ₂ , O ₃ , SO ₂ , flammables, VOC	CO, H ₂ S, O ₂ , flammables (%LEL & %vol)	AsH ₃ , C ₂ H ₄ O, Cl ₂ , ClO ₂ , CO, CO ₂ , F ₂ , H ₂ , H ₂ S, HCL, HCN, HF, NH ₃ , NO, NO ₂ , O ₂ , PH ₃ , SO ₂ , flammables, VOC
Sensing technology:	Electrochemical, pellistor, infrared, PID	Electrochemical, pellistor, infrared	Electrochemical, pellistor, infrared
Sampling:	Diffusion and optional built in pump	Diffusion and optional built in pump	Diffusion and optional built in pump
Approvals:	ATEX, IECEx, UL, MED	ATEX, IECEx, UL, MED	ATEX, IECEx
Customer value:	CSE & PEC modes guide users through defined processes	Inert atmosphere monitoring including Tank Check mode	Perimeter monitoring wired or wireless, raised sensors prevent water ingress

* Safe area use (not hazardous area certified)

Where 'flammables' are listed multiple calibrations are usually available (e.g. butane, propane, pentane) please check the website for further details

Fixed detectors

Field mounted gas detection solutions for the protection of plant and personnel



Device	Xgard	Xgard Bright	TXgard IS+
Enclosure:	Stainless steel, Aluminium alloy, Nylon	Aluminium Alloy	Nylon
Display:	No	Yes	Yes
Target gases:	Br ₂ , C ₂ H ₄ O, Cl ₂ , ClO ₂ , CO, CO ₂ , COCl ₂ , F ₂ , H ₂ , H ₂ S, HCL, HCN, HF, NH ₃ , NO, NO ₂ , O ₂ , O ₃ , SO ₂ , flammables (pellistor & IR)	CO, H ₂ S, O ₂ , CO ₂ , flammables (Pellistor, IR and MPS)	Cl ₂ , ClO ₂ , CO, COCl ₂ , H ₂ , H ₂ S, HF, HCN, NH ₃ , O ₂ , O ₃ , SO ₂
Sensing technology:	Electrochemical, pellistor, infrared, PID	Electrochemical, pellistor, IR and MPS	Electrochemical
Output:	mA, mV	mA, Hart, RS-485	mA
Relay:	No	Yes	No
Approvals:	ATEX, IECEx, UL	ATEX, IECEx	ATEX, IECEx, UL
Customer value:	Comprehensive options providing cross-site compliance from a single platform. Any gas, any industry, any where	Delivering reduced installation and maintenance costs. Display for easy interfacing. Comes with MPS sensor option for calibration-free detection of flammables	Delivering reduced installation and maintenance costs.



Device	Xgard IQ	IRmax	Fgard IR3 Flame Detector
Enclosure:	Stainless Steel	Stainless Steel	Stainless Steel or Aluminium
Display:	Yes	Yes (optional)	No
Target gases:	Cl ₂ , CO, H ₂ S, HF, NH ₃ , O ₂ , O ₃ , SO ₂ , flammables (pellistor & IR)	Flammables	N/A
Sensing technology:	Electrochemical, pellistor, infrared	Infrared	Triple IR flame detection
Output:	mA, Hart, Fieldbus, RS-485	mA, Hart, RS-485	mA, HART
Relay:	Yes	No	Yes
Approvals:	ATEX, IECEx	ATEX, IECEx	ATEX, IECEx, SIL2, FM, PESO, Inmetro (pending)
Customer value:	Remote and hot swap sensor options ensure optimal sensor placement and reduced maintenance times. Suited for high-temperature applications	Remote or localized display options ensure optimal sensor placement and reduced maintenance times	Reliable fast flame detection with triple IR


Controllers



Device	Gasmaster	GM Addressable Controllers	Vortex
Channel input:	1-4 input	1-128 input	1-12 input
Input:	mA, mV, Fire	mV, mA, RS-485	mA, mV, fire
Output:	mA, RS-485	mA, RS-485, TCP IP	RS-485, Profibus
Event logging:	Yes	Yes	Yes
Battery backup:	Yes	Yes	Yes
Relay option:	Yes	-	Yes
Customer value:	Large display delivers user friendly system status and maintenance functionality	Addressable solution reducing installation cabling requirements delivering reductions in time and cost	Flexible control package for single or multi-controller requirements



Device	Gasmonitor Plus	Gasflag
Channel input:	1-16 input	Single
Input:	mA, mV, fire	4-20 mA sink or source (selectable)
Output:	mA	None
Battery backup:	Yes	None
Relay option:	Yes	Yes
Customer value:	Rack based system offers the ability to engineer complex systems from standard controllers	A simple controller when only one detector head is required



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Resolve your specific problems with our custom-made solutions.
Because one size doesn't fit all.



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6. Room safety tester
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Regional Offices

As well as our regional office in Erlanger, Kentucky, USA; we have regional offices in the Netherlands, India, China, UAE, Singapore and our head office in the UK; supporting end customers and our network of channel partners.

Products are made in UK using Lean and Six-Sigma production principles, in our manufacturing facility. This facility is accredited to ISO 9001:2015, BS EN ISO/IEC 80079-34:2011, ISO 14001:2015, ISO18001:2007 as well as passing regular audits by international bodies such as LRQA, BASEEFA, UL, CSA and Lloyds Register





A **Halma** company



Crowcon reserves the right to change the design or specification of the product without notice. 2022

Get in contact at:

USA Office
1455 Jamike Avenue, Suite 100,
Erlanger, KY, 41018, USA
Tel: 800-527-6926
(800-5-CROWCON)

Email: salesusa@crowcon.com