



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
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CROWCON
Detecting Gas Saving Lives

Crowcon Clip

Portable Gas Detection Equipment



- Easy to maintain
- User friendly
- Efficient



Crowcon Clip

Personal Maintenance Free Single Gas Monitor

When lives and property are at risk and you need gas detection equipment that is totally reliable, you need Crowcon. For over 40 years Crowcon has been developing and manufacturing high quality products with a reputation for reliability and technical innovation.

Crowcon provide both single gas and multigas monitors for personal safety and portable monitoring applications providing protection against a wide range of industrial gas hazards.



Choosing the portable gas detector for your needs

The Crowcon Clip is designed for use in hazardous areas and offers reliable and durable fixed life monitoring in a compact, lightweight and maintenance-free package. The Crowcon Clip has a 2-year life and is available for hydrogen sulphide (H₂S), carbon monoxide (CO) or oxygen (O₂).

The Crowcon Clip is designed to withstand the harshest industrial working conditions and delivers industry leading alarm time, changeable alarm levels and event logging as well as user-friendly bump test and calibration solutions.



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Easy to maintain

Changeable alarm levels	Ensures compliance with changing regulations or company procedure
C-Test bump test solution with configuration update	Keeps monitors correctly configured without service or technician team
'Bump test due' indication LED	Alerts the user and team members that the monitor is not compliant

User friendly

Compact and lightweight	Non-intrusive and comfortable to wear
Single button operation	Delivers simplicity for users
	Reduces training time

Efficient

Wide operating temperature range	Effective in a wide variety of harsh environments
IP66 and IP67	
Hibernate feature for Clip+	Extends run time and reduces cost of ownership

C-Test

Bump testing portable monitors is becoming more and more recognised in the market. Ensuring the sensors are responding to a known concentration of gas remains the best way to verify the monitor has not become impeded. C-Test provides bump testing, event management and calibration from a simple to use wall mount station and gives fleet or safety managers the ability to update configurations on large fleets. It also maintains the all important event logs that demonstrate users are working within company requirements.

Gas usage controlled	Lowers the cost of bump testing
Manages calibration	C-Test runs the calibration and stores records of the event
Flexible	Can monitor a wide array of test parameters and detector settings, providing excellent traceability
All data is stored in a USB stick	Simple to transfer the data
Rechargeable battery or power	Ideal for in-vehicle use



Please see the back page for full technical specifications.

Crowcon Clip Specification:

Size		85 x 50 x 28mm (3.3 x 2.0 x 1.1ins)
Weight		76g (2.7oz)
Temperature	H ₂ S	-40°C to + 50°C (-40°F to +122°F)
	CO	-40°C to + 50°C (-40°F to +122°F)
	O ₂	-35°C to + 50°C (-31°F to +122°F)
Humidity		5% to 95% non-condensing RH
Alarms		Top, front and side visual LEDs 95 dB audible alert Vibrate
Event log		Last 25 events
Ingress Protection		IP66 and IP67
Tests		Full function self test of activation and every 20hrs: continuous automatic battery integrity tests
Operational life		2 years>2900 alarm minutes*
Shelf life		6-month shelf life prior to activation Shown on box label
Compliance		EMC Directive 2004/108/EC
Certification		UL-913 & CSA-C22.2 No.157 Class 1 Div 1 & 2, Groups A, B, C and D ATEX II 1G Ex ia IIC T4 Ga IECEx Ex ia IIC T4
Warranty	Clip	2 years from activation*
Sensor range	H ₂ S	0-100ppm
	CO	0-300ppm
	O ₂	0-30% vol.
Communication accessory		USB IR link for event download and configuration

*4 alarm minutes per day

Gases and ranges

Ordering options include a range of region specific alarm levels.

Crowcon Clip:

Gas	Part number	Alarm 1	Alarm 2
H ₂ S	CC-H-2	2ppm	5ppm
H ₂ S	CC-H-5	5ppm	10ppm
H ₂ S	CCH-10	10ppm	15ppm
CO	CC-C-25	25ppm	50ppm
CO	CC-C-30	30ppm	100ppm
CO	CC-C-35	35ppm	50ppm
O ₂	CC-O-19	19% vol.	23.5% vol.
O ₂	CC-O-19.5	19.5% vol.	23.5% vol.



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