CROWCON

Detecting Gas Saving Lives

Clip SGD

Personal Maintenance-Free Single Gas Monitor

Easy to maintain

User friendly

Efficient

Clip SGD

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Clip Single Gas Detector (SGD) is designed for use in hazardous areas and offers reliable and durable fixed life span monitoring in a compact, lightweight and maintenance-free package. Clip SGD has a 2-year life and is available for hydrogen sulphide (H_2S), carbon monoxide (CO) or oxygen (O_2).

Clip SGD 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.

Easy to maintain

Changeable alarm levels	Ensures compliance with changing regulations or company procedure
Clip SGD docking station	Keeps monitors correctly configured without service or technician team
'Bump test due' indication	Alerts the user and team members that the monitor is not compliant and requires a bump test

User friendly

Compact and lightweight	Non-intrusive and comfortable to wear, perfect for any length of shift
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	

Accurate

Countdown and real time readings available	0.1 resolution for hydrogen sulphide

Clip SGD Docking Station

Bump testing portable monitors is becoming more and more prevalent in the market. Ensuring sensors are responding to a known concentration of gas remains the best way to verify the monitor is working as intended and has not become impeded.

The Clip SGD docking station provides bump testing, event management and calibration from a simple to use multi-unit 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	Manages 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 or multi-site use
Holds up to 4 Clips at once	Faster testing of larger fleets

Gases and Ranges

Ordering options include a range of region specific alarm levels.

Clip SGD

Gas	Part number	Alarm 1	Alarm 2
H_2S	CL-H-2	2 ppm	5 ppm
H_2S	CL-H-5	5 ppm	10 ppm
H_2S	CLH-10	10 ppm	15 ppm
CO	CL-C-25	25 ppm	50 ppm
CO	CL-C-30	30 ppm	100 ppm
CO	CL-C-35	35 ppm	50 ppm
O_2	CL-O-19	19%vol.	23.5% vol.
O_2	CL-O-19.5	19.5%vol.	23.5% vol.

Accessories

Part	Description
CL-Test	Clip SGD docking station
CL-IR-Link	Clip SGD IR link

Specification

Size		91 x 54 x 32mm (3.6 x 2.1 x 1.3ins)
Weight		93g (2.7oz) toxic, 104g (3.7oz) O_2
Temperature	H_2S	-30°C to + 50°C (-86°F to +122°F)
	CO	-30°C to + 50°C (-86°F to +122°F)
	O_2	-30°C to + 50°C (-86°F to +122°F)
Humidity		15% to 95% RH
Alarms		Top, front and side visual LEDs
		90 dB audible alert at 10cm
		Vibrate
Event Log		Most recent 30 events
Ingress protection		IP66 and IP67
Tests		Self test on 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 2014/30 EU, FCC CFR 47 Part 15, IECES-003
Certification		UL-913 & CSA-C22.2 No.157
		Class 1 Div 1 & 2, Groups A, B, C and D, T4
		ATEX II 1G Ex ia IIC T4 Ga
		Ex ia IIc T4 Ga
Warranty	Clip SGD	2 years from activation*
Sensor range	H_2S	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

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