

CROWCON
Detecting Gas Saving Lives

Clip SGD

Personal
Maintenance-
Free Single
Gas Monitor

Easy to maintain
User friendly
Efficient



Clip SGD

Personal Maintenance-Free Single Gas Monitor

Clip Single Gas Detector (SDG) is an industrial gas detector 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 (H₂S), carbon monoxide (CO) or oxygen (O₂).

The Clip SDG personal gas detector 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
Water and dust resistant	To 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 ₂ S	CL-H-2	2 ppm	5 ppm
H ₂ S	CL-H-5	5 ppm	10 ppm
H ₂ S	CLH-10	10 ppm	15 ppm
CO	CL-C-20	20 ppm	100 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 ₂ S	-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 90% 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, 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 IECEX Ex ia IIC T4 Ga
Warranty	Clip SGD	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

Disclaimer

Every effort has been made to ensure the accuracy of this document at the time of printing. In Many factors beyond Crowcon Detection Instruments' control and uniquely within user's knowledge accordance with the company's policy of continued product improvement Crowcon Detection and control can affect the use and performance of a Crowcon product in a particular application. Instruments Limited reserves the right to make product changes without notice. The products are As the products may be used by the client in circumstances beyond the knowledge and routinely subject to a programme of testing which may result in some changes in the characteristics

control of Crowcon Detection Instruments Limited, we cannot determine the relevance of quoted. Technical information contained in this document or otherwise provided by Crowcon these to an individual customer's application. It is the clients' sole responsibility to carry out are based upon records, tests, or experience that the company believes to be reliable, but the the necessary tests to evaluate the usefulness of the products and review all applicable accuracy, completeness, and representative nature of such information is not guaranteed. regulations and standards to ensure their safety of operation in a particular application.