

# Clip SGD

Portable Gas Detection Equipment



- | Easy to maintain
- | User friendly
- | Efficient



# Clip SGD

## 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

Clip Single Gas Detector (SGD) is designed for use in hazardous areas and offers reliable and durable fixed life 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

### 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	

### 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 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



Please see the back page for full technical specifications.

## Clip SGD Specification:

<b>Size</b>		91 x 54 x 32mm (3.6 x 2.1 x 1.3ins)
<b>Weight</b>		93g (2.7oz) toxic, 104g (3.7oz) O <sub>2</sub>
<b>Temperature</b>	H <sub>2</sub> S	-40°C to + 50°C (-40°F to +122°F)
	CO	-40°C to + 50°C (-40°F to +122°F)
	O <sub>2</sub>	-35°C to + 50°C (-31°F to +122°F)
<b>Humidity</b>		5% to 95% non-condensing RH
<b>Alarms</b>		Top, front and side visual LEDs 90 dB audible alert at 10cm Vibrate
<b>Event log</b>		Most recent 30 events
<b>Ingress Protection</b>		IP66 and IP67
<b>Tests</b>		Self test on activation and every 20hrs: continuous automatic battery integrity tests
<b>Operational life</b>		2 years > 2900 alarm minutes*
<b>Shelf life</b>		6-month shelf life prior to activation Shown on box label
<b>Compliance</b>		EMC Directive 2004/108/EC, FCC and IECES
<b>Certification</b>		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
<b>Warranty</b>	Clip SGD	2 years from activation*
<b>Sensor range</b>	H <sub>2</sub> S	0-100ppm
	CO	0-300ppm
	O <sub>2</sub>	0-30% vol.
<b>Communication accessory</b>		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.

## Clip SGD:

Gas	Part number	Alarm 1	Alarm 2
H <sub>2</sub> S	CL-H-2	2ppm	5ppm
H <sub>2</sub> S	CL-H-5	5ppm	10ppm
H <sub>2</sub> S	CLH-10	10ppm	15ppm
CO	CL-C-25	25ppm	50ppm
CO	CL-C-30	30ppm	100ppm
CO	CL-C-35	35ppm	50ppm
O <sub>2</sub>	CL-O-19	19% vol.	23.5% vol.
O <sub>2</sub>	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

Crowcon reserves the right to change the design or specification of the product without notice. Check [www.crowcon.com](http://www.crowcon.com) for updates.

[www.crowcon.com](http://www.crowcon.com)

### UK:

Tel: +44 (0) 1235 557700  
Fax: +44 (0) 1235 557718  
Email: [sales@crowcon.com](mailto:sales@crowcon.com)

### US:

Tel: +1 859 957 1039  
Toll Free: 800 527 6926  
Fax: +1 513 957 1044  
Email: [salesusa@crowcon.com](mailto:salesusa@crowcon.com)

### NL:

Tel: +31 10 421 1232  
Fax: +31 10 421 0542  
Email: [eu@crowcon.com](mailto:eu@crowcon.com)

### SG:

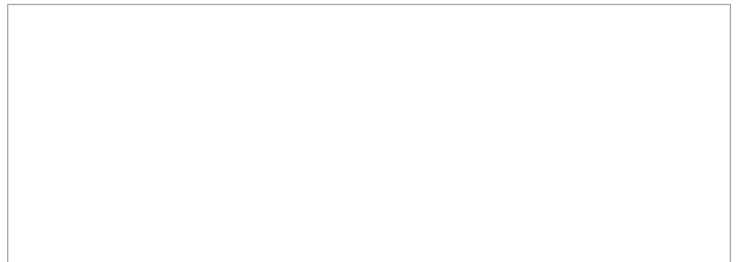
Tel: +65 6745 2936  
Fax: +65 6745 0467  
Email: [sales@crowcon.com.sg](mailto:sales@crowcon.com.sg)

### CN:

Tel: +86 (0) 10 6787 0335  
Fax: +86 (0) 10 6787 4879  
Email: [saleschina@crowcon.com](mailto:saleschina@crowcon.com)

### IN:

Tel: +91 22 6708 0400  
Fax: +91 22 6708 0405  
Email: [salesindia@crowcon.com](mailto:salesindia@crowcon.com)



 **CROWCON**  
Detecting Gas Saving Lives