

Single Gas Clip & Single Gas Clip Plus

Reliable gas detection in the harshest working environments



- Unmatched sensor reliability for H₂S, CO or O₂
- Single Gas Clip Plus features Hibernate Mode
- Adjustable alarm set points & real-time gas reading capability
- 0.1 ppm resolution for H₂S sensor and display
- Two-way IR comms for event downloads, bump tests & updates
- Programmable individual detector identification
- Simple-to-use one-button operation
- "Bump Check" confirmation/identification
- No hidden service charges or maintenance fees
- Lightweight & durable - clamps on tight with alligator clip



John M. Ellsworth Co., Inc.

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Single Gas Clip Versions

Single Gas Clip H₂S Part# SGC-H	Portable gas detector for Hydrogen Sulfide (H ₂ S)
Single Gas Clip Plus H₂S Part# SGC-P-H	Plus version features Hibernation Mode
Single Gas Clip CO Part# SGC-C	Portable gas detector for Carbon Monoxide (CO)
Single Gas Clip O₂ Part# SGC-O	Portable gas detector for Oxygen (O ₂)

All versions include calibration cap, calibration certificate & Quick Start Guide

Single Gas Clip Accessories



SGC Dock*

Part# SGC-DOCK

Also available in High Pressure
Part# SGC-DOCK-HP



SGC Wall Mount Dock*

Part# SGC-WMDOCK

Also available in High Pressure
Part# SGC-WMDOCK-HP



GCT IR Link

Part# GCT-IR-LINK



SGC Manual Regulator

Part# REG-MANUAL



58L Gas Cylinders

H₂S - 25 ppm H₂S/N₂

Part# SGC-H2S-58

CO - 100 ppm CO/Air

Part# SGC-CO-58

O₂ - 18%

Part# SGC-O2-58



116L Gas Cylinders

H₂S - 25 ppm H₂S/N₂

Part# SGC-H2S-116

CO - 100 ppm CO/Air

Part# SGC-CO-116

O₂ - 18%

Part# SGC-O2-116

*Detector(s) not included
Please contact us for additional accessories and spare parts.
Distributed by:



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SPECIFICATIONS

Size • Weight

3.4 H x 1.9 W x 1.1 D in. (85.5 x 48 x 29 mm.) • 2.7 oz. (76g)

Temperature

H₂S: -40°C to +50°C/-40°F to +122°F

CO: -40°C to +50°C/-40°F to +122°F

O₂: -35°C to +50°C/-31°F to +122°F

Humidity

5% to 95% RH (non-condensing)

Battery Life

Two Years

Alarms

Visual, vibrating & audible (minimum 95 dB)

Detector life countdown (EOL), Low, High & Over limit (OL)

Display

High viewing angle Alphanumeric Liquid Crystal Display

Logs

25 Events - newer events replace older events

Tests

Full function self-test upon activation and every 20 hours

Continuous automatic battery tests

Ratings

EMC Directive 2004/108/EC

IP 67

Certifications and Approvals



CSA: CSA16CA70075707

Intrinsically Safe/Sécurité Intrinsèque

Class I, Division 1, Groups A, B, C and D; T4 EX ia IIC T4 Ga

Class I, Zone 0, AEx ia IIC T4 Ga

-40°C ≤ Ta ≤ +50°C (SGC H₂S, SGC Plus H₂S, SGC CO)

-35°C ≤ Ta ≤ +50°C (SGC O₂)

CAN/CSA-C22.2 No. 60079-0:19

CAN/CSA-C22.2 No. 60079-11:14



IECEx: IECEx CSA 16.0020 Ex ia IIC T4 Ga

-40°C ≤ Ta ≤ +50°C (SGC H₂S, SGC Plus H₂S, SGC CO)

-35°C ≤ Ta ≤ +50°C (SGC O₂)

IEC 60079-0:2017 Edition: 7

IEC 60079-11:2011 Edition: 6



ATEX: SIRA 16ATEX2087; Ex ia IIC T4 Ga

-40°C ≤ Ta ≤ 50°C (SGC H₂S, SGC Plus H₂S, SGC CO)

-35°C ≤ Ta ≤ 50°C (SGC O₂)

EN 60079-0:2018

EN 60079-11:2012



UKCA: CSAE 21UKEX2476; Ex ia IIC T4 Ga

-40°C ≤ Ta ≤ 50°C (SGC H₂S, SGC Plus H₂S, SGC CO)

-35°C ≤ Ta ≤ 50°C (SGC O₂)

EN 60079-0:2018

EN 60079-11:2012

Warranty

Full Two years

Gases

H₂S Measuring range: 0-100 ppm
Low alarm limit: 10 ppm - High alarm limit: 15 ppm

CO Measuring range: 0-300 ppm
Low alarm limit: 35 ppm - High alarm limit: 200 ppm

O₂ Measuring range: 0-30% by vol.
Low alarm limit: 19.5% - High alarm limit: 23.5%

*Note: Alarm set points listed above are factory default. These set points can be changed using the GCT IR Link (sold separately).

Sensor Type

H₂S, CO & O₂ - Plug-in electrochemical cell

USER OPTIONS

Custom user message
Bump due LED
Bump test interval
Calibration gas percentage
Calibration interval

Display real-time gas readings or time remaining
Self-test interval
Low alarm set point
High alarm set point

Specifications are subject to change without notice due to ongoing product development.
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