Portable Gas Detectors
Single & Multi gas

be safe

MADE IN ITALY

seitron
Americas

be safe

Single
Gas Detector

NEW

AVAILABLE GASES

| CO | O2 | H2S | SO2 |

INCREASED SAFETY
Built-in audible, vibration and visual alarms for an immediate danger warning.

SOLID AND RELIABLE
The rugged and solid housing ensures precise and safe detection in all environments.

CONTINUOUS PROTECTION
Designed to guarantee continuous operation for 24 months without any need to replace sensors or battery.

EASY TO USE
Designed from the ground up to ensure the greatest ease of use and intuitiveness possible.

Be Safe SG is the new portable single gas detector, designed to be compact, robust and easy to use. Configurable for 1 gas including O2, CO, H2S or SO2, it can be used in hazardous areas with explosion risk.

Portable Gas Detector

- 24 months of continuous operation
- Reliable detection of low concentrations of toxic and flammable gases
- Durable and easy to operate
- Integrated alligator clip
- Intrinsically safe
- Self-test function
- Event log storage
- Approved for **ATEX Zone 0**

Be Safe SG Kit includes:

- Portable gas detector
- Calibration cap
- Quick Guide
- Test report
- Declaration of conformity ATEX and IECEx

Technical Features

Dimensions:	89 x 51 x 28 mm / *3.5 x 2 x 1.1 "*
Weight:	106 g / *3.7 oz*
Sensor Type:	Electrochemical sensor
Display:	Liquid Crystal Display (LCD)
Communication:	Infrared (with **Be Safe SG IR-Link** accessory)
Ingress Protection:	IP67
Operating Humidity:	5 – 95% RH (Non condensing)
Battery:	Lithium battery, 3.6 Vdc, 1.65 Ah
Operating Duration:	24 months of operation (with 2 minutes of alarms per day)
Alarms:	Acoustic: 95 dB @ 10 cm
	Visual: LED
	Vibration: Vibrating motor
Alarm Levels:	Low and High
Event Log Storage:	Last 30 events
Compliance:	EN 60079-0:2018 - IEC 60079-0:2017
	EN 60079-11:2012 - IEC 60079-11:2011
Certifications:	**ATEX**: II 1G Ex ia IIC T4 Ga (Certificate: CML 24ATEX 2184)
	IECEx: Ex ia IIC T4 Ga (Certificate: IECEx CML 24.0071)
Warranty:	24 months from the date of product activation

Detected Gas	Measuring Range	Low Level Alarm (*)	High Level Alarm (*)	Operating T°
O2	0 .. 25% vol	19.5% vol	23.5% vol	- 30 .. 60 °C *- 22 .. 140 °F*
CO	0 .. 300 ppm	35 ppm	200 ppm	- 40 .. 60 °C *- 40 .. 140 °F*
H2S	0 .. 100 ppm	10 ppm	15 ppm	- 40 .. 60 °C *- 40 .. 140 °F*
SO2	0 .. 50 ppm	5 ppm	10 ppm	- 40 .. 60 °C *- 40 .. 140 °F*

(*) Values refer to default alarm levels. It is possible to modify alarm levels by using Be Safe SG IR-Link and dedicated PC software.

Accessories

Be Safe SG IR-Link: Infrared transmitter with USB cable, for managing the device via **Be Safe SG IR-Link Manager** PC software.
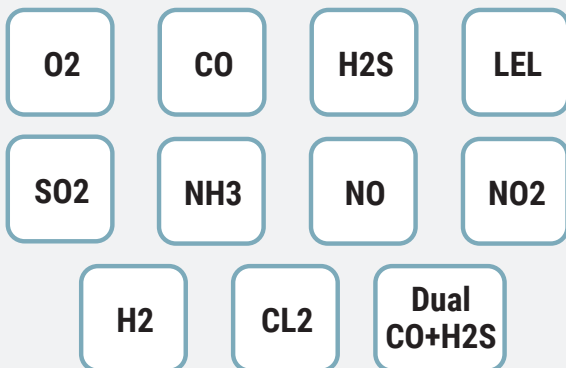
Be Safe SG Docking Station: Multi-device docking station for *Be Safe SG*, to perform simultaneously bump tests and calibration of up to 4 personal gas detectors, using the **Be Safe SG Docking Station Manager** PC software.

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Multi

Gas Detector

AVAILABLE GASES

O2	CO	H2S	LEL
SO2	NH3	NO	NO2
	H2	CL2	Dual CO+H2S

MULTIPLE APPLICATIONS
Designed and developed to protect users in different industries and enviromental conditions.

SIMULTANEOUS GAS DETECTION
Possibility to detect simultaneously up to 4 gases, according to the configuration requested by the user.

SAFETY AT A GLANCE
Immediate warning of alarm status thanks to visual, audible and vibrating indicators.

RECHARGEABLE BATTERY
Li-Ion rechargeable battery to keep the device running for up to 18 hours, with short charging time.

EASY TO USE AND TO MAINTAIN
Designed to grant ease of use and to allow simple and fast daily maintenance (bump test).

Be Safe MG is the new portable multi-gas detector to be used in hazardous areas (ATEX Zone 0), integrating safety and periodic maintenance. Be Safe MG can be configured with up to 4 sensors, among a selection of more than 10 gases, according to user needs.

Portable Gas Detector

- Customizable configuration with up to 4 gases
- Intrinsically Safe
- IP67 Rated
- LCD display for concentration values readout
- Audio, visual and vibration alarm
- Integrated alligator clip
- Fast Bump Test and calibration kit
- Approved for **ATEX Zone 0**

Be Safe MG Kit includes:

- Portable gas detector
- Docking station with wall-mount accessory
- Calibration cap and gas tubing
- USB cable
- Quick Guide
- Test report
- Declaration of conformity ATEX and IECEx

Features	be safe MG O2, CO, H2S, LEL	be safe MG Pro O2, CO, H2S, LEL	be safe MG X	be safe MG Pro X
Configuration with O2, CO, H2S, LEL sensors	✓	✓		
Customized configuration for up to 4 gases			✓	✓
External anti-dust filter		✓		✓

Detected Gas	Sensor Type	Measuring Range	Resolution	Response Time (t90)
O2	Electrochemical	0 .. 25% vol	0.1% vol	<10 sec
CO	Electrochemical	0 .. 1,000 ppm	1 ppm	<15 sec
H2S	Electrochemical	0 .. 100 ppm	0.1 ppm	<15 sec
LEL (Flammable)	MEMS	0 .. 5% vol 0 .. 100% LEL	0.01 % vol 1% LEL	<15 sec
SO2	Electrochemical	0 .. 100 ppm	1 ppm	<20 sec
NO2	Electrochemical	0 .. 150 ppm	1 ppm	<30 sec
NO	Electrochemical	0 .. 250 ppm	1 ppm	<30 sec
NH3	Electrochemical	0 .. 100 ppm	0.1 ppm	<15 sec
H2	Electrochemical	0 .. 1,000 ppm	1 ppm	<15 sec
CL2	Electrochemical	0.. 20 ppm	0.1 ppm	<15 sec
CO+H2S (dual)	Electrochemical	CO: 0 .. 1,500 ppm H2S: 0 .. 500 ppm	1 ppm	<15 sec

Technical Features

Size (HxWxD):	140 x 70 x 38 mm / *5.5 x 2.8 x 1.5 ˝*
Weight:	280 g / *9.8 oz*
Durability:	Drop test from 1 m / *3 ft* according to EN60079-0 (2018)
Ingress Protection:	IP67
Working Temperature:	-20 .. +55 °C / *-4 .. +131 °F*
Working Humidity:	5 - 95% RH (non-condensing)
Typical Battery Life:	up to 18 hours (dependent on sensor configuration) @ -20 °C / *-4 °F*
Alarms:	*Audio*: 90 dB @ 30 cm
	Visual: LED
	Vibration: Vibrating motor
Alarm levels:	Minimum, Maximum, STEL (*Short Term Exposure Limit*) and TWA (*Time-Weighted Average*)
Event Logging:	408 days based on 8 hours shifts and 40 daily events
Data Logging:	22 days based on 8 hour shifts every 10 seconds logging
Conformity:	EN 60079-0:2018 - IEC 60079-0:2017
	EN 60079-1:2014 - IEC 60079-1:2014
	EN 60079-11:2012 - IEC 60079-11:2023
Certifications & Approvals:	**ATEX**: II 1G Ex da ia IIC T4 Ga (configuration with LEL sensor)
	II 1G Ex ia IIC T4 Ga (configuration without LEL sensor)
	(Certificate: TUV IT 24 ATEX 0162X)
	IECEx: Ex ia IIC T4 Ga (Certificate: IECEx TPS 23.0053X)
Warranty:	36 months warranty for detector and sensors

Main Applications

- Steel mills and heavy industry
- Petrochemical industry
- Biogas plants
- Food and beverage industry
- Civil infrastructures and Construction sites
- Power generators
- Sewage systems and underground safety
- First aid and firefighting
- Chemical industry
- Pharmaceutical industry
- Aerospace industry