

SINGLE-GAS PORTABLE DETECTOR



Be Safe SG is the new portable single gas detector designed to be compact, solid and easy to use. Configurable for one gas among O₂, CO, H₂S or SO₂, it can be used in hazardous areas with risk of explosion or to access confined environments, in order to ensure the personal safety of the operator.

CO

O₂

H₂S

SO₂

Portable gas detector

- 24 months of continuous operation
- Reliable detection of low concentration of toxic and flammable gases
- Solid and robust
- Integrated crocodile clip
- Intrinsically Safe
- Self test function
- Event logging download
- Approved for ATEX Zone 0



Highlights



SAFETY

Built-in audible, visual and vibrating alarm for an immediate warning of danger.



CONTINUOUS PROTECTION

Designed to ensure continuous operation for 24 months, with no need to replace sensors or battery.



SOLID AND RELIABLE

The robust and solid case ensures accurate and safe detection in all environments.



EASY TO USE

Crafted with a design that enhances ease of use to be as user-friendly and intuitive as possible.

TECHNICAL FEATURES

Dimensions (HxWxD)	89 x 51 x 28 mm
Weight	106 g
Type of Sensor	Electrochemical sensor
Display	Liquid Crystal Display (LCD)
Communication	Infrared (with Be Safe SG IR-Link accessory)
IP Rating	IP67
Working humidity	5 - 95% RH (non-condensing)
Battery	Lithium battery, 3.6 Vdc, 1.65 Ah
Working Life	24 months from first activation (2 minutes of alarms per day)
Alarms	Acoustic: (95 dB @ 10 cm) Visual: LED Vibration: vibrating motor
Alarm Levels	Minimum and Maximum
Events Memory	Last 30 events
Conformity	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 24 ATEX 2184) IECEX: Ex ia IIC T4 Ga (Certificate: IECEX CML 24.0071)

Easy to use



Back Clip



Part number	Detected gas	Measuring range	Alarm Level Low (*)	Alarm Level High (*)	Working Temperature
Be Safe SG O2	O2	0 .. 25% vol	19.5% vol	23.5% vol	- 30 .. 60 °C - 22 .. 140 °F
Be Safe SG CO	CO	0 .. 300 ppm	35 ppm	200 ppm	- 40 .. 60 °C - 40 .. 140 °F
Be Safe SG H2S	H2S	0 .. 100 ppm	10 ppm	15 ppm	- 40 .. 60 °C - 40 .. 140 °F
Be Safe SG SO2	SO2	0 .. 50 ppm	5 ppm	10 ppm	- 40 .. 60 °C - 40 .. 140 °F

(*) Values refer to predefined alarm levels. Alarm levels can be changed using Be Safe SG IR-Link and the dedicated PC software

Be Safe SG Kit Contents:

- Single-gas detector
- Calibration adapter
- Quick Guide
- Test Report
- ATEX and IECEx Certificate of Conformity



Be Safe SG IR-Link

Infrared transmitter with USB cable, to manage the device via PC software **Be Safe SG IR-Link Manager**.

Be Safe SG Docking Station

Multi-device Docking Station for Be Safe SG, to perform bump tests and calibrate for up to 4 personal gas detectors simultaneously, via the PC software **Be Safe SG Docking Station Manager**.



Main applications

- Sewerage and Underground Safety
- Power Generators
- First Response and Firefighting
- Chemical Process Industry
- Pharmaceutical Industry
- Aerospace Industry
- Steel Mills and Heavy Industry
- Petrochemical Industry
- Biogas Plants
- Food and Beverage Production
- Civil Infrastructure Sites
- Oil Refineries

