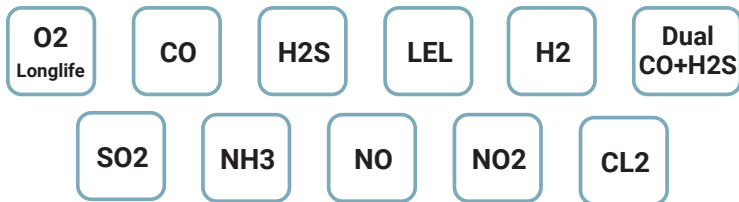


# MULTI-GAS PERSONAL DETECTOR



Be Safe MG is the new portable multi-gas detector designed to be used in hazardous areas (ATEX Zone 0), by integrating safety and design, ease of use and an effective periodic maintenance.

Be Safe MG can include up to 4 sensors, choosing from over 10 gases.



## Portable gas detector

- Customisable configuration of up to 4 gases
- Intrinsically Safe
- Product warranty for 3 years
- IP67 Protection Rating
- LCD display for actual concentration values readout
- Audible, visual and vibrating alarm
- Integrated crocodile clip
- Fast Bump Test and Calibration Kit included
- Approved for **ATEX Zone 0**



## Highlights



### MULTIPLE APPLICATIONS

Designed and developed to protect users in different industries and work environments, configurable according to user needs



### SIMULTANEOUS GAS DETECTION

The robust and solid housing ensures accurate and safe detection in all environments



### RECHARGEABLE BATTERY

Rechargeable lithium-ion battery for up to 18 hours of operation and a short charging time



### EASE OF USE AND MAINTENANCE

Designed for developed to be user-friendly and to allow fast and simple daily maintenance (Bump Test)



### SAFETY AT A GLANCE

Immediate warning of alarm status through visual, acoustic and vibration indicators

## TECHNICAL FEATURES

Dimensions (HxWxD)	140 x 70 x 38 mm
Weight	280 g
IP Protection	IP67
Robustness	Drop test from 1 m according to EN 60079-0 (2018)
Working temperature	-20 ... +55 °C
Working humidity	5 - 95% RH (non-condensing)
Typical Battery Life	Up to 18 hours (depending on configuration) @ -20 °C
Alarms	Audio: 90 dB @ 30 cm Visual: LED Vibration: Vibrating motor
Alarm Levels	Low, High, STEL (Short Term Exposure Limit), TWA (Time-Weighted Average)
Event Log	408 days based on 8-hour shifts with 40 events per day
Data Log	22 days based on 8-hour shifts with recording every 10 seconds
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 (LEL sensor configuration) II 1G Ex ia IIC T4 Ga (configuration without LEL sensor) (Certificate: TUV IT 24 ATEX 0162 X) IECEX: Ex ia IIC T4 Ga (Certificate: IECEX TPS 23.0053 X)

### Configurations of up to 4 sensors



### Design and robustness



Features	Be Safe MG O2 LL, LEL, CO, H2S	Be Safe MG O2 LL, LEL, CO	Be Safe MG O2 LL, LEL
O2 Longlife (0 ... 25% vol)	✓	✓	✓
LEL (CH4) (0 ... 5% vol / 0 ... 100% LEL)	✓	✓	✓
CO (0 ... 1,000 ppm)	✓	✓	
H2S (0 ... 100 ppm)	✓		

**Other configurations available on request with the possibility of configuring the instrument with up to 4 sensors of your choice**

**Be Safe MG Kit Contents:**

- Personal gas detector
- Docking station with wall-mounting accessories
- Calibration adapter and gas hose
- USB cable for battery charging and SW connection
- Quick Guide
- Test Report
- ATEX and IECEx Declaration of Conformity



Detected gas	Sensor type	Measuring range	Resolution	Response time of (t90)
O2 Longlife	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 (Combustibles)	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
Dual CO+H2S	Electrochemical	CO: 0 ... 1.500 ppm H2S: 0 ... 500 ppm	1 ppm	<15 sec

Code	Description
Be Safe MG Docking Station (AMDS01)	Charging, communication, bump test and calibration station for Be Safe MG
AMSD01	Wall-mounted support for Be Safe MG Docking Station (AMDS01)
AMGC01	Calibration cap with gas tubing (L = 50 cm) for Be Safe MG
AMAF01	External dust filter for Be Safe MG
AMKP01	Calibration cap with gas tubing (AMGC01) and external dust filter (AMAF01) for Be Safe MG
AMKF01	Replacement filters (8 pcs.) for external dust filter (AMAF01)