Portable Gas Detectors
Multi gas

be safe

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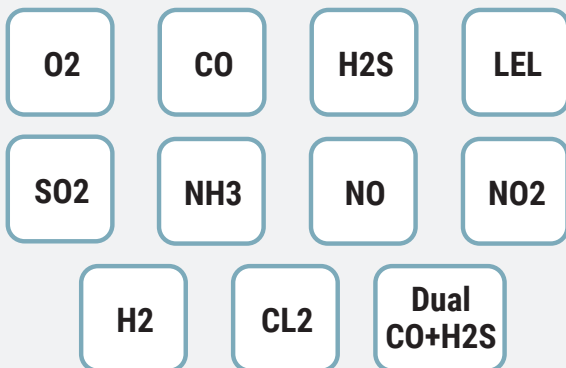
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be safe
Multi
Gas Detector

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

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