

BELLMINI

Portable Gas Detector



A Safe Monitoring Group exclusive, the BELLMINI is a portable single gas detector that offers advanced personal protection in a lightweight ergonomic package. With sensor options for up to 18 different gases and user-friendly one-button operation, the BELLMINI guarantees the accurate, immediate detection of the target gas. The robust weather and dustproof build prevent ingress and the ultra-low power design ensures a two-year battery life. Stay alert to threats with clear audible, visual and vibrating alarms, manage real-time data via the IoT and collect advanced data logs via the BELLCONNECT App.

► Reliable Monitoring

High-performance sensor technology and advanced signal processing ensure accurate monitoring of 18 different gases.

► Clear Alerts

View real-time readings on the LCD screen. LEDs provide clear visual alerts, along with loud audible and vibrating alarms to alert you to issues immediately.

► Advanced-Data Management

Register up to 200 event logs, access real-time data, manage configuration and link to a smartphone via the BELLCONNECT App.

► Compact and Robust Build

Ergonomic lightweight design in a compact package with IP68 waterproof and dustproof protection for use in extreme environments.

► Easy to Use

Both sensors & batteries are easily replaceable. Our one-button system makes for easy operation.



LCD gas readings, and LED visual alarms



Pocket-sized design paired with a robust build

Wireless communication over 10m

Taking design cues from early gas masks, and incorporating them into a compact, ergonomic design, we provide the very best in personal defence against gas hazards with the new BELLMINI. Exclusively stocked in Europe by Safe Monitoring Group, the BELLMINI single gas portable detector represents the cutting edge in portable gas hazard mitigation.



BELLCONNECT NFC & Bluetooth

For the user's or administrator's convenience, the BELLCONNECT allows them to change its configuration, perform calibration, or handily manage stored data.

► Event & Data Logging

- Stores up to 200 event logs
- Stores up to 5,000 datalog data
- Time period can be changed in the app

► Calibration & Bump Test

- Seamlessly calibrate and bump test your BELLMINI through the app. The app provides live gas readings during calibration, allows you to set policy reminders and provides calibration certificates

► Confidence Beep

- The BELLMINI requires no charging but you need to know its still powered. Easily setup a confidence beep to periodically alert you that your BELLMINI is still on and still protecting you.

► SAFE Mode

- When enabled, Safe Mode provides visual confirmation that no(monitored) hazardous gas is present.



► Name & Location Of Monitor

- Through the app you can assign the monitor to personnel or specific areas. These names appear on event and data log and calibration reports. Providing you with more accountability onsite.

► Configuration (Full Monitor Setup)

- Allows you to fully customise the BELLMINI to your application needs, easily on the app. From changing alarm levels, setting policies, changing data log intervals etc. Customisation through the app makes it your own BELLMINI.



Specifications

Model BELLMINI	Weight 105g (w/Belt Clip)	Humidity 5% to 95% RH (non-condensing)
Display FSTN LCD Display (1.6 inc)	Alarm Visual Alarm (LEDs), Vibrating Alarm, Audible Alarm (Buzzer; 100dB@10cm): Low, High, TWA, STEL	IP Rating IP68
User Options Adjustable alarm setpoints. Alarm Latching On/Off Adjustment of calibration and bump test interval Zero and gas calibration, Data download, FW update	Self-Test Breakdown of sensor and circuitry, Battery	
Battery Lithium Battery size 2/3 AA 3.6V: 24months	Wireless Connection Bluetooth Low Energy (BLE), Near Field Communication (NFC), BELLCONNECT™ App, Cloud Connection, Easy close-range connection	
Typical Response Times Toxic Gas: 20s Oxygen: 10s Oxygen (Long-life): 10s	Data Logging Up to 200 alarm events, 5,000 data log	Warranty 2 years (Please refer to the Sensor data)

Approvals

ATEX: Ex II 1G Ex ia IIC T4 Ga,
 IEXEx: Ex ia IIC T4 Ga, KCs: Ex ia IIC T4

Gas List


- O2
- CO
- H2S
- H2
- SO2
- Cl2
- HCl
- HCN
- PH3
- ETO
- O3
- NO
- NO2
- NH3
- CO-H
- CO-E
- O2-LF
- NH3-H



BELLMINI Part Numbers

Part Number	Range	Temperature
BMI-O2	0-30.0 %VOL	-30°C to 50°C
BMI-O2LF	0-30.0 %VOL	-30°C to 60°C
BMI-CO	0-1,000 PPM	-30°C to 50°C
BMI-COE	0-2,000 PPM	-30°C to 50°C
BMI-COH	0-500 PPM	-30°C to 50°C
BMI-H2S	0-100 PPM	-30°C to 50°C
BMI-H2	0-1,000 PPM	-30°C to 50°C
BMI-NH3	0-100 PPM	-40°C to 50°C
BMI-NH3E	0-1,000 PPM	-40°C to 50°C
BMI-SO2	0-20 PPM	-30°C to 50°C
BMI-NO	0-250 PPM	-30°C to 60°C
BMI-NO2	0-30 PPM	-30°C to 50°C
BMI-Cl2	0-50 PPM	-30°C to 50°C
BMI-PH3	0-20 PPM	-30°C to 50°C
BMI-ETO	0-100 PPM	-30°C to 50°C
BMI-HCN	0-50 PPM	-30°C to 50°C
BMI-O3	0-5 PPM	-20°C to 50°C
BMI-HCl	0-15 PPM	-30°C to 50°C

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