

BELLMINI

Portable Gas Detector

IGD

An IGD 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.



66mm

69mm (to scale)



▶ 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 harsh environments.

▶ Easy to Use

Both sensors & batteries are easily replaceable, and our one button system makes for easy, intuitive operation.



24mm

41mm

Key Features

When it comes to the BELLMINI, good things really do come in small packages. This pocket-sized detector combines cutting-edge technology, with a robust, practical build. While it takes design cues from early gas masks the BELLMINI is full of future-focused features including the most advanced Bluetooth App available for any portable gas detector.

LCD gas readings, and LED visual alarms



Pocket-sized design paired with a robust build

Wireless communication over 10m

BELLCONNECT Bluetooth App

BELLCONNECT is the industry's most advanced portable gas detection app. Exclusive to the BELL line of portable gas detectors, BELLCONNECT puts you in complete control of your device, from calibration, to configuration to data storage.

▶ Event & Data Logging

Stores up to 200 event logs and 5,000 data logs. The data log 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, allowing you to set policy reminders and receive calibration certificates.

▶ Confidence Beep

The BELLMINI doesn't need to be charged, but you need to know its still operational. The confidence beep will periodically sound to let you know your device is on and operational.

▶ SAFE Mode

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



▶ Monitor Name & Location

Through the app you can assign multiple BELLMINIs 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)

Fully customise the BELLMINI to meet your applications needs from adjusting alarm levels, to changing data log intervals. Personalise device functions to suit your requirements.



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

	Name	Range
POR-GDIS-CO	BELL MINI CO SINGLE GAS PORTABLE	1-1000PPM
POR-GDIS-H2S	BELL MINI H2S SINGLE GAS PORTABLE	0.1-100PPM
POR-GDIS-COEX	BELL MINI CO EX SINGLE GAS PORTABLE	1-2000PPM
POR-GDIS-CO-H	BELL MINI CO H2 COMPENSATED SINGLE GAS PORTABLE	1-500PPM
POR-GDIS-O2	BELL MINI O2 SINGLE GAS PORTABLE	0.1-30%VOL
POR-GDIS-O2LF	BELL MINI O2LF SINGLE GAS PORTABLE	0.1-30%VOL
POR-GDIS-H2	BELL MINI H2 SINGLE GAS PORTABLE	1-1000PPM
POR-GDIS-NH3	BELL MINI NH3 SINGLE GAS PORTABLE	1-100PPM
POR-GDIS-HCN	BELL MINI HCN SINGLE GAS PORTABLE	1-50PPM
POR-GDIS-SO2	BELLMINI SO2 SINGLE GAS PORTABLE	0.1-20PPM

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