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.

▶ **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.

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

Ultra-low power consumption provides a 2-year battery life.

Alligator clip

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.

▶ 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.

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

▶ 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 circuirty, Battery

Battery

Lithium Battery size
2/3 AA 3.6V: 24months

Wireless Connection

Bluetooh 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 tp 200 alarm
events, 5,000 data log

Warranty

2 years (Please referer
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

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