

BELLMINI CO₂

Single Gas CO₂ Portable

IGD

An IGD exclusive, the BELLMINI CO₂ is a portable single gas detector designed specifically for carbon dioxide monitoring, offering advanced personal protection in a lightweight ergonomic package. Featuring automatic ranging from ppm to %VOL, the BELLMINI CO₂ ensures accurate measurement across both low-level exposure monitoring and higher concentration detection.

The robust weather and dustproof build prevents ingress, while user-replaceable batteries eliminate downtime associated with traditional rechargeable CO₂ monitors. Stay alert to hazards with clear audible, visual and vibrating alarms, manage real-time data via IoT connectivity and collect advanced data logs via the BELLCONNECT App.

► Reliable Monitoring

High-performance CO₂ sensor technology and advanced signal processing ensure accurate monitoring across both ppm and %VOL measurement ranges. Automatic dual-range operation maintains resolution at low exposure levels while accurately detecting higher concentration events

► Clear Alerts

View real-time CO₂ readings on the LCD screen. LEDs provide clear visual alerts, along with loud audible and vibrating alarms to notify users immediately of unsafe conditions. Alarm thresholds are optimised for exposure monitoring, including 5,000 ppm and 15,000 ppm (1.5% VOL) alarm levels.

► Advanced-Data Management

Register up to 255 event logs and 80,000 datalog capacity. Access real-time monitoring data, manage configuration settings and connect to a smartphone via the BELLCONNECT App for exposure tracking and reporting.

► Compact and Robust Build

Ergonomic lightweight design in a compact package with IP68 waterproof and dustproof protection, suitable for demanding indoor and industrial environments.



► Easy to Use

Replaceable battery design removes the need for lengthy charging, with battery changes completed in under five minutes. The intuitive one-button interface ensures simple operation and maintenance in the field.

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 255 event logs and 80,000 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: up to 6 months	Wireless Connection Bluetooth Low Energy (BLE), Near Field Communication (NFC), BELLCONNECT App, Cloud Connection, Easy close-range connection	
Typical Response Times T90 response time <60s	Data Logging 255 events and 80,000 data log	Warranty 2 years (Please refer to the Sensor data)

Approvals

Safe Area Only. CE, KC, FCC and EMC tested.

Common Applications

- Food and beverage
- Hospitality and cellars
- Gas delivery drivers
- Laboratories
- Hospitals and medical facilities
- Academia
- Good packaging and processing
- Leisure centres
- Manufacturing plants
- Carbon capture
- HVAC
- Refrigeration



BELLMINI Part Numbers

Part Number	Name	Range
POR-GDIS-CO ₂	BELLMINI CO ₂ Single Gas Monitor	0-9999ppm and 1.0-5% VOL (Auto ranging)
POR-GDIS-BAT	Replacement Battery Pack of 1	N/A
POR-GDIS-BAT10	Replacement Battery Pack of 10	N/A



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