

BELL LITE

Portable Multi-Gas Detector

IGD

BELL LITE is a compact multi-gas detector capable of monitoring up to five gases simultaneously, including O₂, LEL, CO, H₂S and CO₂. Designed for use in confined spaces and high-risk industrial environments, it delivers reliable, continuous protection where it matters most.

Connect to the BELLCONNECT Bluetooth App for calibration, bump testing, and maintenance. High-visibility LEDs, a 100 dB buzzer at 10 cm and a strong vibration alarm provide immediate, unmistakable alerts when gas levels exceed safe limits. The wide LCD screen clearly displays real-time gas concentrations and alarm status, remaining easy to read in both bright and low-light conditions. Built for demanding field use, BELL LITE is IP68 rated, offering full protection against dust and water ingress. Its low-power design supports extended operation between charges, reducing downtime and keeping users protected for longer.



Key Features

► Compact and Lightweight Design

At just 170g, the slim, lightweight design is comfortable for extended use and easy to carry in any working environment, all without compromising performance.

► Built Tough for Harsh Conditions

With an IP68 rating, the device offers complete protection against dust and water ingress, making it suitable for use in the most demanding environments. Its robust construction ensures consistent performance across a wide temperature range and under heavy-duty field conditions.

► All-Day Power and Convenient Charging

Built to last between charges, the device delivers up to 40 hours of continuous operation with a low-power catalytic LEL sensor, or more than 30 days when using a standard LEL sensor. USB Type-C charging ensures quick and reliable recharging on site or back at base.

► Easy Calibration and Bump Test via BELLCONNECT App

Our dedicated mobile app, BELLCONNECT, streamlines calibration and bump testing, allowing the user to perform essential maintenance with just a few taps. On tagging a smartphone to the detector, the BELLCONNECT App automatically links with built-in NFC technology.

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 BELLCONNECT app.

▶ Configuration (Full Monitor Setup)

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

▶ Monitor Name & Location

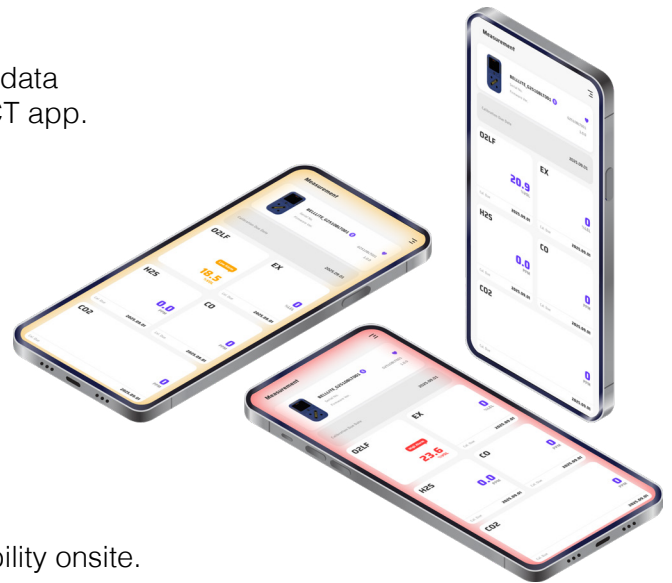
Through the app you can assign multiple BELL LITEs to personnel or specific areas. These names appear on event and data log and calibration reports providing you with more accountability onsite.

▶ Calibration & Bump Test

Seamlessly calibrate and bump test your BELL LITE through the app. The app provides live gas readings during calibration, allowing you to set policy reminders and receive calibration certificates.

▶ SAFE Mode

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



Applications

Oil & Gas Industry

Construction Sites

Chemical & Petrochemical Plants

Shipbuilding & Marine

Confined Spaces

Laboratories & Research Facilities

Fire fighting & Emergency

Wastewater Treatment

Specifications

Model BELL LITE	Size 60x110x30mm (w/o clip), 60x110x42mm (w/clip) 2.36x4.33x1.18inch, 2.36x4.33x1.65inch	Weight 170g (w/Belt clip, 5gas), 160g (4gas)
Humidity 5% to 95% RH (non-condensing)	IP Rating IP68	Display FSTN LDC display (40x28mm) w/Backlight
Alarm Visual (LEDs), Vibrating, Audible Alarm (100dB@10cm): AL1/2, TWA, STEL, Multi	Self-Test Breakdown of sensor and circuitry, Battery	Data Logging Up to 200 alarm events, 5,000 data log
User Options Peak, TWA and STEL reset, Adjustable alarm setpoints, Alarm latching On/Off, Adjustment of calibration and bump test interval, Zero and gas calibration, Data download, FW update		Wireless Connection Bluetooth Low Energy (BLE), Near Field Communication (NFC), BELLCONNECT App, Cloud Connection, Easy close-range connection
Battery Li-ion Rechargeable Battery, 3.7V 1150mAh LPC: 40 hours, IR: over 200 hours	Warranty 2 years (excluding battery and sensor)	
Approvals ATEX: Ex II 1G Ex ia op is IIC T4 Ga IECEx: Ex ia p is IIC T4 Ga KCs: Ex ia op is IIC T4 Ga NRTL: Class 1, Div 1, Groups A,B,C,D		

Sensor Specification

Gas	Measuring Range	Resolution	Temperature
O2 (Lead Free 5 year)	0-30%VOL	0.1%VOL	-40°C to 60°C
CO	0-1000PPM	1PPM	-30°C to 50°C
H2S	0-100PPM	0.1PPM	-30°C to 50°C
LEL(LPC)	0-100%LEL	1%LEL	-40°C to 60°C
CO2-IR	0-50000PPM	100PPM	-20°C to 60°C
CH4-IR	0-100%LEL	1%LEL	-20°C to 60°C
LEL	0-100%LEL	1%LEL	-40°C to 60°C

Part Number	Description
POR-GDIM-OCHLD	%LEL (LPC), O2, H2S, CO and CO2 (IR)
POR-GDIM-OCHLX	%LEL (LPC), O2, H2S and CO
POR-GDIM-OCHWX	%LEL (HPC), O2, H2S and CO
POR-GDIM-OCHXR	%LEL (IR), O2, H2S and CO
POR-GDIM-OCHXD	O2, H2S, CO and CO2 (IR)
POR-GDIM-OCHXX	O2, H2S and CO
Por-GDIM-OXLX	%LEL (LPC) and O2
POR-GDIM-OXWX	%LEL (HPC) and O2
POR-GDIM-OXRX	%LEL (IR) and O2
POR-GDIM-OXXD	CO2 (IR) and O2

*Note users can turn on and off the CO or H2S via the BELL CONNECT App
 Definition – LPC = Low Powered Catalytic sensor
 HPC = High Powered Catalytic Sensor