

GDISOLUTION 

BELL LITE

MULTI GAS DETECTOR



Features & Benefits



Compact and Lightweight Design

Designed for portability, this device features a slim and lightweight form factor – just 170g – that ensures maximum comfort during extended use. Its compact size allows users to carry it effortlessly in any work environment 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 even under temperatures and heavy-duty field conditions.



All-Day Power for Field Work

Equipped with a high-efficiency power system, the device offers up to 40 hours of continuous operation when using a low-power catalytic LEL sensor. When configured with a standard LEL sensor, it can operate continuously for over 30 days, significantly reducing downtime and supporting long-term field deployment.



Easy Calibration and Bump Test via BELL CONNECT App

Our dedicated mobile app, BELL CONNECT, streamlines calibration and bump testing, allowing users to perform essential maintenance with just a few taps. The intuitive interface ensures quick setup, real-time status monitoring, and simplified record keeping – all without the need for a PC or additional equipment.



Convenient USB Type-C Charging

Featuring a modern USB Type-C charging port, the device enables fast and reliable recharging across a wide range of environments. Its universal compatibility eliminates the hassle of proprietary cables, ensuring convenient power access wherever the job takes you.



Easy to Connect

On tagging a smartphone to the detector, the BELL Connect App automatically links. The Built-in NFC technology enables rapid device pairing and eliminates the need for unnecessary connection procedures.

• Better, • Easy, • Loud, • Light

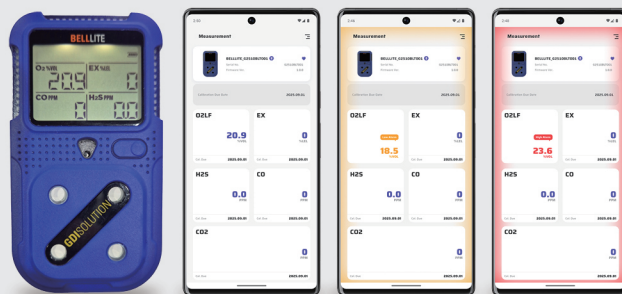
BELL LITE

BELL LITE is a compact multigas detector that monitors up to five gases simultaneously, including O₂, LEL, CO, H₂S, and CO₂. It provides reliable protection in confined spaces and high-risk industrial settings.

Bright LEDs, a 100dB buzzer@10cm, and strong vibration alerts instantly notify users when dangerous gas levels are detected. The wide LCD screen clearly displays gas concentrations and alarm status, even in bright or dark environments.

Designed for durability, BELL LITE is IP68-rated, offering protection against dust and water. Its low-power design ensures extended operation without frequent charging, making it ideal for demanding field use.

For the user's or administrator's convenience, the BELL CONNECT™ App allows them to change its configuration, perform calibration, or manage stored data wirelessly.



BELL Lite Specifications

Size	60x110x30mm(w/o clip), 60x110x42mm(w/clip) 2.36x4.33x1.18inch, 2.36x4.33x1.65inch
Weight	170g(w/Belt Clip, 5gas), 169g(4gas)
Humidity	5% to 95% RH (non-condensing)
Display	FSTN LCD display (40x28mm) w/Backlight
IP Rating	IP68
Alarm	Visual(LEDs), Vibrating, Audible Alarm (100dB@10cm): AL1/2, TWA, STEL, Multi
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
Self-Test	Breakdown of sensor and circuitry, Battery
Battery	Li-ion Rechargeable Battery, 3.7V 1150mAh LPC: 40 hours, IR: over 200 hours
Wireless Connection	Bluetooth Low Energy(BLE) -BELLCONNECT™ App, Cloud connection Near Field Communication(NFC) -Easy close-range connection
Data Logging	Up to 700 alarm events, 4000 gas reading log
Approvals (Pending)	ATEX: Ex II 1G Ex ia op is IIC T4 Ga IECEX: Ex ia op is IIC T4 Ga KCs: Ex ia op is IIC T4 Ga NRTL: Class1, Div.1, Groups A,B,C,D
Warranty	2 years(excluding battery and sensor)

DUE TO ONGOING RESEARCH AND PRODUCT IMPROVEMENT, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Sensor Specifications

Gas	Measuring Range	Resolution	Temperature
O ₂	0-30%Vol	0.1%Vol	-40°C to 60°C
CO	0-1000 ppm	1 ppm	-30°C to 50°C
H ₂ S	0-100 ppm	0.1 ppm	-30°C to 50°C
LEL(LPC) [†]	0-100 %LEL	1 %LEL	-40°C to 60°C
CO ₂ -IR	0-50000 ppm	100 ppm	-20°C to 60°C
CH ₄ -IR	0-100 %LEL	1 %LEL	-20°C to 60°C
LEL	0-100 %LEL	1 %LEL	-40°C to 60°C

[†] LPC : Low Power Catalytic

* Sensor specifications are subject to change without notice.

Applications

- Oil & Gas Industry
- Chemical & Petrochemical Plants
- Confined Spaces
- Firefighting & Emergency
- Construction Sites
- Shipbuilding & Marine
- Laboratories & Research Facilities
- Wastewater Treatment

GDISOLUTION

Tel. +82-70-8802-1579 Fax. +82-2-2638-5578
sales@gdi-solution.com www.gdi-solution.com

Manufactured in Korea

BELL LITE_06/25
© 2025 GDI Solution Co., Ltd.