blacklinesafety

G6

TRANSFORMING SINGLE-GAS DETECTION WITH CONNECTIVITY

Get ahead of your workplace hazards, drive to zero incidents and uplevel your operations with the most comprehensive, cost-effective and connected single-gas detector available—G6.

G6 gives you:

- Faster response time through accurate incident and worker location

- Reduced costs and increased operational efficiency with less lost devices, false alarms and IT infrastructure

- Trustworthy data and instant insights—like easy-to-read visuals for high alarm rates or low compliance—so you can act quickly

- Long-lasting design with over-the-air updates to futureproof your investment

It's what makes G6 the new standard in single-gas detection. An innovative—and economical—solution for improving safety and operational performance in the modern industrial workplace.

Features

Direct-to-cloud connectivity

Integrated GPS location technology
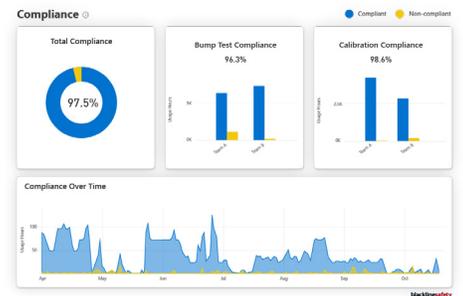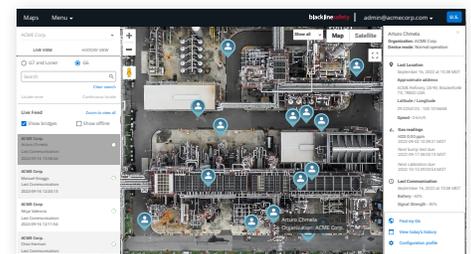
Single gas detection

Rechargeable battery

Reduced false alarms

Data-rich reporting

Blackline Analytics essential reporting

Blackline Live platform

DETAILED SPECIFICATIONS

Standard features

Single-gas monitoring - CO, H2S, O2, or SO2
Direct-to-cloud connectivity
Over-the-air configurations
Automatic over-the-air updates
Integrated GPS location technology
Find My G6
Up to 1-year battery life
Rechargeable battery
Automatic bump tests and calibrations through
G6 Dock

Standard safety features

Device location, gas readings, bump and
calibration data, and alarms automatically
uploaded daily
High gas notification
Low gas notification
Short-term exposure limit (STEL) notification
Bump test and calibration notification
Bump test and calibration failure notification

Size & weight

Size: 71mm x 110mm x 37mm (2.8" x 4.3" x 1.5")
Weight: 146g (5.2 oz)

User interface

240 x 320 pixel graphical, high contrast, 6-bit color
liquid crystal display
Menu system and power-on driven by
threebutton keypad
Multi-language support: EN, FR, ES, DE, IT, NL, PT

User notification

Visual: Color display and multi-color lights on top
and side
Sensory: Vibrating
Audible: ~95 dB @ 30 cm (11.8")

Power & battery

Rechargeable Li-ion battery: 1200 mAh
Battery life: Up to 1 Year at 20℃ (68°F) under
normal usage
Charge time: 4 hours

Approvals

SAR, RoHS, CE, RCM
Contains
FCC ID: W77BLG6C1 IC: 8255A-BLG6C1
FCC ID: XF6-B001P4V2P1, IC: 8407A-B001P4V2P1
Canada & USA: Class I Division 1 Group A,B,C,D T4;
Class I Zone 0 AEx da ia IIC T4; Ex da ia IIC T4 Ga
IECEx: Ex da ia IIC T4 Ga
ATEX: Ex da ia IIC T4 Ga
UKCA: Ex ia IIC T4 Ga

Location technology

GPS Radio: 48-channel high sensitivity
Assisted-GPS: Yes
GPS Accuracy: ~5 m (16 ft) Outdoors
Location update frequency: During high urgency
events and once per day

Cellular Communication

LTE-M and NB-IoT

Environmental

Storage temperature: -30℃ to 60℃
(-22°F to 140°F)
Operating temperature: -20℃ to 55℃
(-4°F to 131°F)
Charging temperature: 0℃ to 45℃
(32°F to 113°F)
Ingress Protection: Designed to meet IP67

Warranty

Four-year limited warranty

Blackline Live web application

Cloud-hosted safety monitoring web application
is customizable for every customer requirement
Includes compliance dashboard, map, user roles,
device configurations, notification setups, and
essential reporting

Sensor Specifications

GAS	SENSOR TYPE	RANGE	RESOLUTION
CARBON MONOXIDE (CO)	Electrochemical	0–500 ppm	1 ppm
HYDROGEN SULFIDE (H_2S)	Electrochemical	0–100 ppm	0.1 ppm
OXYGEN (O_2)	Electrochemical	0–25% vol	0.1% vol
SULFUR DIOXIDE (SO_2)	Electrochemical	0–100 ppm	0.1 ppm

All specifications subject to change without notice.

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