

# Specifications.

## Gas detection features

Under and over limit alerts  
Time-weighted average (TWA)  
Short-term exposure limit (STEL)  
Low and high gas alerts  
Bump test and calibration notification  
Bump test and calibration failure

## User interface

Display: 480 by 640 pixel, eight-color active matrix liquid crystal display  
Menu system: driven by three-button keypad  
Power button: On/off  
SOS latch: Send emergency alert  
Multi-language support: (EN, FR, ES, DE, IT, NL, PT)

## User notification

Green connectivity light: Blinking (powered), continuous (connected)  
360-degree visible yellow and red lights  
Yellow light: pending and warning alarms  
Red light: Red alert communicated  
Blue LiveResponse light: Confirmation that a monitoring team has acknowledged the alert  
Alarm sound pressure: ~100 dB @ 30 cm (11.8")  
Two-way voice calling sound pressure: ~95 dB @ 30 cm (11.8")

## Pump module

Number of pump channels: 4  
Sampling period per channel: Adjustable  
Tubing length per channel: Up to 30 m (100 ft)

## Input / output ports

Intrinsically safe, highly configurable external signal ports designed to integrate with external alarms and electrical systems.  
Intrinsic safety specification: TBD

## Power & battery

Rechargeable battery capacity: 144 Ah (LiFePO<sub>4</sub>)  
Battery life in diffusion mode:  
100 days at 20°C (68°F), LEL-IR, H<sub>2</sub>S, CO and O<sub>2</sub> config.  
Battery life in pump mode:  
30 days at 20°C (68°F), LEL-IR, H<sub>2</sub>S, CO and O<sub>2</sub> config.  
Charge time: TBD  
Intrinsically safe trickle-charging port: Yes, supports G7 EXO continuous operation

## Cellular wireless radio

Coverage: 100+ countries and 200+ carriers  
Europe: 2G/3G or 2G/4G  
North America: 2G/3G or 3G/4G  
Australia/New Zealand: 2G/3G or 3G/4G  
Antenna: Regionally optimized  
Band specifications: TBD

## Satellite wireless radio option

User-upgradeable add-on: Yes  
Network: Iridium, global coverage

## Wireless updates

Device configuration changes: Yes  
Device firmware upgrade OTA: Yes

## Location technology

GPS radio: 48-channel high sensitivity  
Assisted-GPS: Yes  
GPS accuracy: ~5 m (16 ft) outdoors, open sky  
Location beacon radio: Yes, Blackline's proprietary location beacon technology and floor/site plans

## Size & weight

Material: Rugged housing built from aluminum, plastic and rubberized bumpers  
Size: 385 mm x 188 mm x 220 mm (15.1" x 7.4" x 8.7")  
Weight: 9.5 kg (21 lb)

## Environmental

Storage temp.: -40°C to 60°C (-40°F to 140°F)  
Operating temp.: -40°C to 55°C (-40°F to 131°F)  
Charging temp.: 0°C to 45°C (32°F to 113°F)  
Ingress protection: Designed to meet IP65

## Approvals (targeted)

RoHS, CE, RCM  
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  
LEL: CSA C22.2 No.152; ISA 12.13.01

## Accessories

Solar panel for continuous monitoring. Mounting options include wall, 1 ft tripod, 3 ft tripod, magnetic and rail/scaffold mounts

## Gas sensor options

Ammonia, high-range ammonia, carbon dioxide, carbon monoxide, high-range carbon monoxide, chlorine, chlorine dioxide, COSH, hydrogen cyanide, hydrogen sulfide, high-range hydrogen sulfide, hydrogen-resistant carbon monoxide, LEL-infrared, LEL-pellistor, nitrogen dioxide, oxygen, ozone, photoionization detector, sulfur dioxide

## Blackline Live web application

Cloud-hosted safety monitoring web application is highly customizable for every customer requirement. Includes live map, employee address book, user roles, alert management, device configurations, alert setups and reporting

## Warranty

G7 EXO area monitor: two-year hardware warranty  
Gas sensors and pumps: lifetime warranty with active service plan  
Blackline Complete lease option: provides comprehensive warranty for full three-year term

*All specifications subject to change without notice.*