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G7 EXO

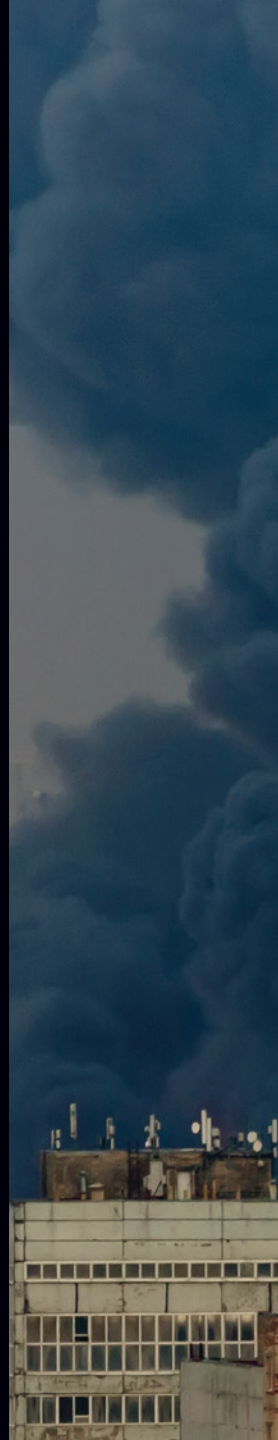# When it's a matter of life and death, you need speed and visibility.

G7 EXO: **Fire and hazmat crews can focus on the situation, not the equipment.**

We understand the conditions emergency responders face. From chemical fires and floods to gas leaks, explosions and many other potentially devastating situations, fire and hazmat teams are first to respond and defend against further harm. The need to act quickly, efficiently receive and share information and stay focused on a job where every second matters.

When getting up and running fast is critical, when connectivity is vital and when maximum visibility into the scenario and all team members is paramount, G7 EXO area monitor is unmatched. Its capabilities are second to none, its durability is proven and its place among hazmat teams and first responders is unquestionable.

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G7 EXO
AT A GLANCE:

TRUSTWORTHY PROTECTION – Poison-immune combustible gas monitoring with broad spectrum LEL detection

COMMAND ON DEMAND – Position your command center wherever needed knowing it's always connected

EFFICIENT EXECUTION – Connect in minutes wherever placed

BUILT FOR EXTREMES – Face the toughest and most rugged conditions from any emergency or Mother Nature

RAPID RESPONSE – Prepare for an incident, as it changes, with swappable gas sensor cartridges

READY AND RELIABLE – Outlast every incident with 100+ days of battery life

DIRECT-TO-CLOUD CONNECTIVITY – Industry-leading cellular and optional satellite connectivity for remote areas, streaming all data directly to the Blackline Safety Cloud

COST OF OWNERSHIP – G7 EXO's extra-long battery life eliminates the need to purchase extra monitors, saving tens of thousands of dollars

IMMEDIATE AWARENESS – with text and email alerts you are kept fully aware of the current status, and changing situations

NO NONSENSE – Eliminate the need for LEL correct factors, minimizing unnecessary and costly evacuations

Preparation is more than key, it's vital.

When your incident response team gets to the scene, it's time to save lives, not fumble with equipment.

G7 EXO prepares you before you even get there. Connectivity and pre-calibrated sensor cartridges can be changed en route, saving valuable time. And with 20 types of sensors available, every chemical fires incident response team is ready for every situation, from a carbon dioxide leak, to chemical files and explosive incidents. Teams can even breathe a little easier knowing G7 EXO protects them with a poison immune broad-spectrum LEL MPS sensor that also has H2 and Acetylene detection.

In emergency situations, worry about human life, not battery life.

With over 100+ days of battery life in standard diffusion mode, G7 EXO far outlasts any incident, regardless of extreme cold weather conditions. That chemical fire that burns for more than 3 days? G7 EXO has you covered. And with most incidents lasting 24-48 hours, your team can spend every minute protecting people and communities without thinking twice. Other monitors operate for just 16-20 hours before the battery or an extra monitor needs to be swapped out. That's precious time that shouldn't be wasted, valuable space taken up in the response vehicle, and unnecessary cost. With a rugged, tested and proven design, G7 EXO can handle anything thrown its way, from the harshest weather to the most violent event.

G7 EXO is on your side even when time isn't.

Response teams need to focus on the task at hand rather than being tasked with an unnecessarily long deployment.

A truck carrying ammonia crashes near a residential area. A response team and G7 EXO are on the way to the scene. A perimeter needs to be established quickly to determine if neighborhoods need to be evacuated. Time is of the essence. With G7 EXO, deployment is fast and easy.

While competitors can take up to 45 minutes to get connected, up and running,
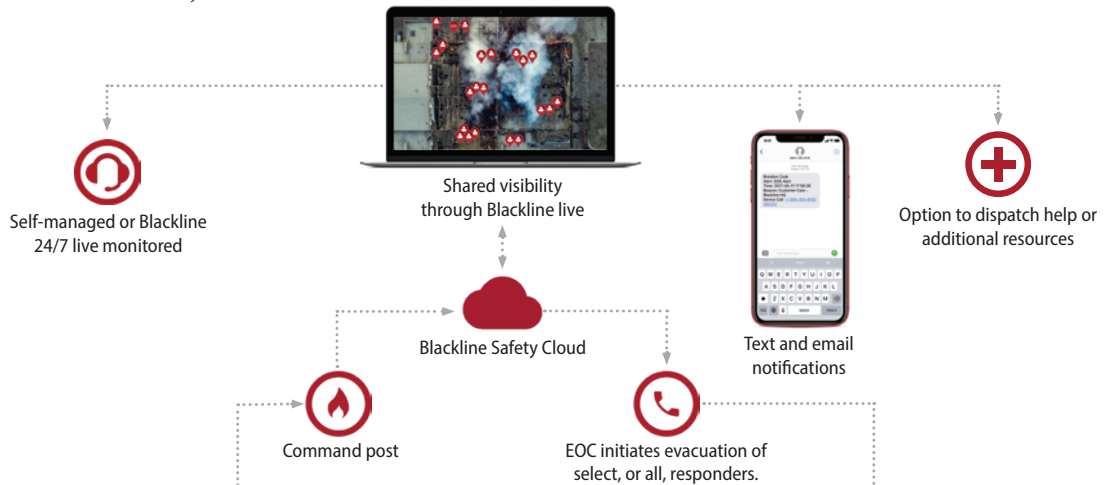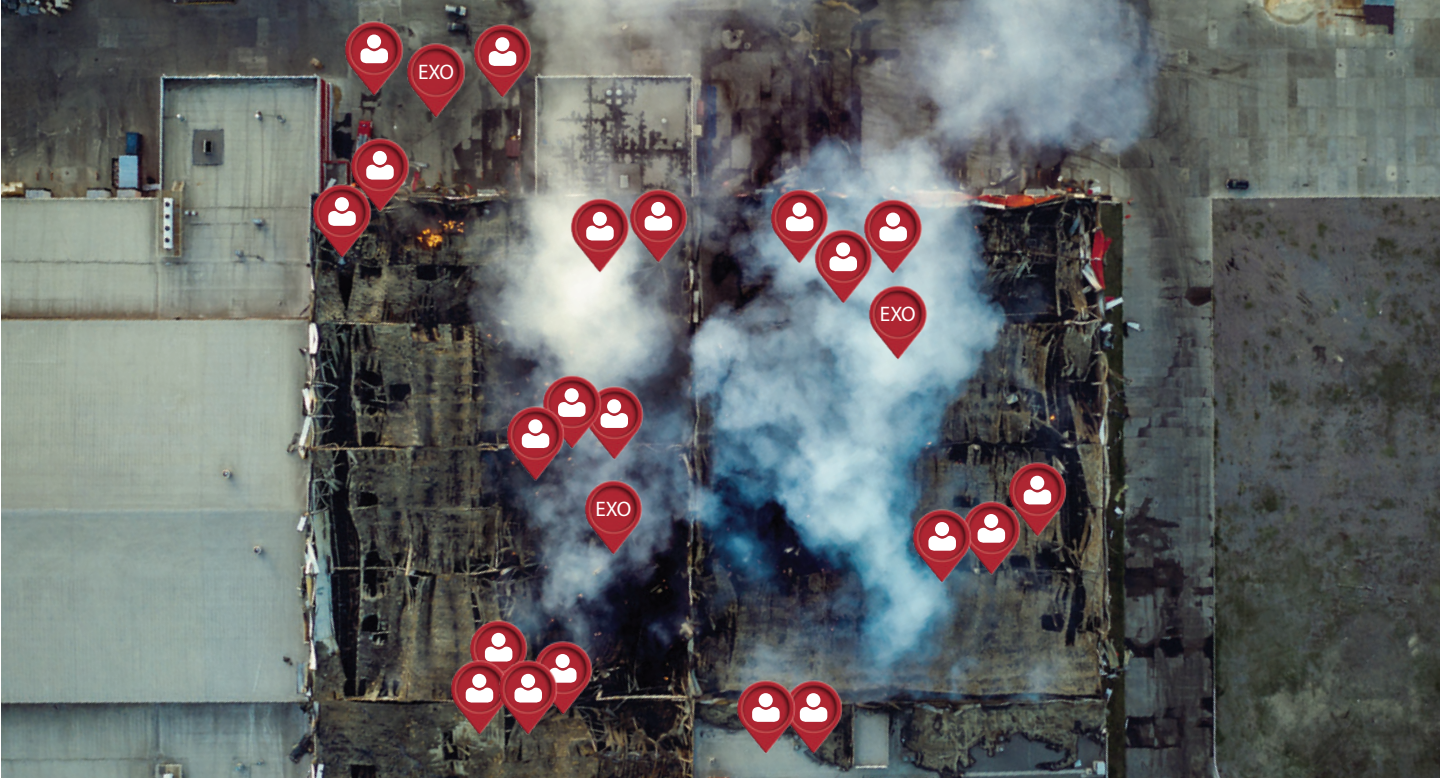**G7 EXO is set up, connected and doing its job in only three minutes.**

Have total command in safety, from anywhere.

Emergency responders are on the scene and it's time for the command center to take control.

G7 EXO puts you in command wherever you are needed. During an incident, G7 EXO puts you in command wherever you are. Oversight visibility of real-time gas readings can occur from anywhere and everywhere, even in remote locations. G7 EXO has integrated cellular connectivity, and with optional satellite connectivity, the command center is never out of touch.

Other products can only communicate up to only two miles and need to use a MESH network. This means if there are tall obstruction factors, connectivity is compromised. No matter how remote the location, G7 EXO keeps the entire team connected, streaming live data from both the G7 EXO and G7 wearable gas detectors back to the incident commander. So in the case of an incident spread out over many miles, G7 EXO keeps the command team connected as if they were on the scene.

Self-managed or Blackline 24/7 live monitored

Shared visibility through Blackline live

Option to dispatch help or additional resources

Blackline Safety Cloud

Text and email notifications

Command post

EOC initiates evacuation of select, or all, responders.

EXO

Visibility. So Command can see the bigger picture.

While life-threatening events are unfolding and information is critical, incident commanders need to focus on the situation at hand and make crucial decisions.

G7 EXO gives all necessary emergency personnel and various state and local authorities real-time visibility. The incident commander only needs to give out access to Blackline Live, a portal that shows the location and gas readings of all deployed G7 EXOs and the safety status of every team member if they are wearing a G7 portable gas detector.

The cloud-hosted site gives multiple authorities, onsite and offsite, real-time, up-to-the-second information. Commanders can then be free to do what they do best — take control of the situation to ensure the safety of response teams and the people and communities affected by the incident.

Because wherever there's a need for safety, we're there.

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Interoperability. A complete suite of solutions to solve any problem.

That's the idea behind Blackline's suite of solutions – everything working seamlessly together for a comprehensive safety solution. The G7 EXO and G7 wearable gas detectors work through Blackline Live's advanced analytics capabilities to keep everyone informed in real time, constantly connected with each other, and with live monitoring personnel, for the ultimate visibility into everything, everywhere.

When lives are on the line, Blackline should be by your side.

When it comes to the world of connected gas detection and safety wearables, we've already raised the bar. Now we've set our sights on area monitoring – providing the ultimate solution to keep fire, hazmat, first responders and industrial emergency crews safer than ever.

Unfortunately, chemical spills, explosive incidents, and a variety of other life-threatening situations are a part of life. But that doesn't mean they have to end life. Blackline is here to provide an industry-leading, comprehensive safety solution to any and every imaginable emergency situation.

G7 EXO accessories
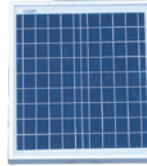
G7 EXO SATELLITE MODULE*
SKU: ACC-G7EXO-SAT

PUMP MODULE*
SKU: ACC-G7EXO-PUMP

STANDARD BATTERY PACK (144AH)
SKU: ACC-G7EXO-BAT

FAST BATTERY CHARGER
SKU: ACC-G7EXO-FAST-CHARGER-NA

SOLAR PANEL BATTERY CHARGER
SKU: ACC-G7EXO-SOLAR

SURVEY TRIPOD
SKU: ACC-G7EXO-TRIPOD

G7 EXO BASE (STANDOFF)
SKU: ACC-G7EXO-STANDOFF

UNIVERSAL MOUNT
SKU: ACC-G7EXO-UMK

Allows for mounting on pipes, scaffolding, tripods, bases and more.

Specifications.

Gas cartridge features
High Gas Alert; Low Gas Warning
Under limit; Over limit
Time-weighted average (TWA)
Short-term exposure limit (STEL)
High gas alert; Low gas alert
Bump test and calibration notification
Bump test and calibration failure

Safety features
SOS latch: Pull latch to trigger SOS alert
Low-battery: Configurable threshold
Connection lost: Configurable threshold
Two-way voice calls: Receive voice calls from monitoring personnel
Text messages: Send and receive messages with monitoring personnel

Convenience features
Set-up Wizard
Connection lost alarm: Configurable time period
Siren volume setting: Three levels avaliable
Text messaging: Custom messages and 10 preconfigured
Maintenance code: Configurable 4 digits
Push to Talk Communication
Tumble Alarm

User interface
Display: 4.4 inch diagonal, 480 by 640 pixel, eightcolour active matrix liquid crystal display
Menu system: driven by three-button keypad
Power button: On/off
SOS latch: Send SOS 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 alerts
Blue LiveResponse light: Confirmation that a monitoring team has acknowledged the alert
Siren sound pressure: ~90 dB at 11.8in (30 cm), 95 dB at 6in (15 cm). Optional 110 dB siren accessory available through interface ports.

Four-channel pump module*
Optional module: Yes
Number of pump channels: 4
Sampling period per channel: Adjustable
Tubing length per channel: Up to 100 ft (30 m)

Interface ports
Intrinsically safe, configurable external signal ports designed to integrate with external alarms and electrical systems.

Power & battery
Rechargeable battery capacity: 144 Ah (LiFePO4)
Battery life in diffusion mode: 100 days at 20°C (68°F), LEL-IR, H2S, CO and O2 config.
Battery life in pump mode: 30 days at 20°C (68°F)
Charge time: 8-12 hrs
Charge temp.: 0°C to 45°C (32°F to 113°F)

IS trickle charge port
Can be used to hard-wire an IS power supply to run G7 EXO indefinitely.

Size & weight
Size: 385 mm x 188 mm x 220 mm (15.1" x 7.4" x 8.7")
Weight: 12.25kg/27 lbs
Material: Rugged housing built from aluminum, plastic and rubberized bumpers

Cellular wireless radio
Wireless coverage: 100 countries, 200 wireless carriers
North America: 3G/4G radio; 3G UMTS bands 2 and 5; 4G bands 2, 4 and 5
International: 2G/4G radio; 2G GSM bands E-GSM and PCS; 4G bands 3, 7 and 20
Asia Pacific: 3G/4G radio; 3G UMTS band 1; 4G bands 3, 8 and 28
Antenna: Internal

Satellite module
User-upgradeable add-on: User-upgradeable satellite module allows G7 EXO to connect to the iridium satellite network for remote areas outside of cellular connectivity.
Network: Iridium, global coverage
Radio: 1621 MHz, 2 Watts
Antenna: Internal

Wireless updates
Device configuration changes: Yes
Device firmware upgrade OTA: Yes

Location technology
Multi-constellation: GPS/QZSS, Galileo, Beidou
Receiver type: 72-channel
Assisted-GNSS: Yes
GNSS Accuracy: 5m (16feet), CEP 50%, 24 hours static

Environmental
Storage temp.: -40°C to 60°C (-40°F to 140°F)
Operating temp.: -20°C to 50°C (-4°F to 122°F)
Ingress protection: Designed to meet IP65

Approvals (targeted)
RoHS, CE, RCM
Canada & USA: Class I Division 1 Group A,B,C,D T3; Class I Zone 0 AEx ia IIC T3; Ex ia IIC T3 Ga
IECEx: Ex ia IIC T3 Ga
ATEX: Ex ia IIC T3 Ga
LEL: CSA C22.2 No.152; ISA 12.13.01
FCC ID: W77EXO IC: 8255A-EXO
Contains: FCC ID: XPY1EIQ24NN, Q639603N
IC: 8585A-1EIQ24NN, 4629A-9603N

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.

Accessories
IS solar panel, IS trickle charger, low tripod and tall survey tripod, universal mount, carrying case

Warranty
Three-year hardware warranty
Extended warranty available

FOR MORE INFORMATION, VISIT:
BlacklineSafety.com/fire-hazmat

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