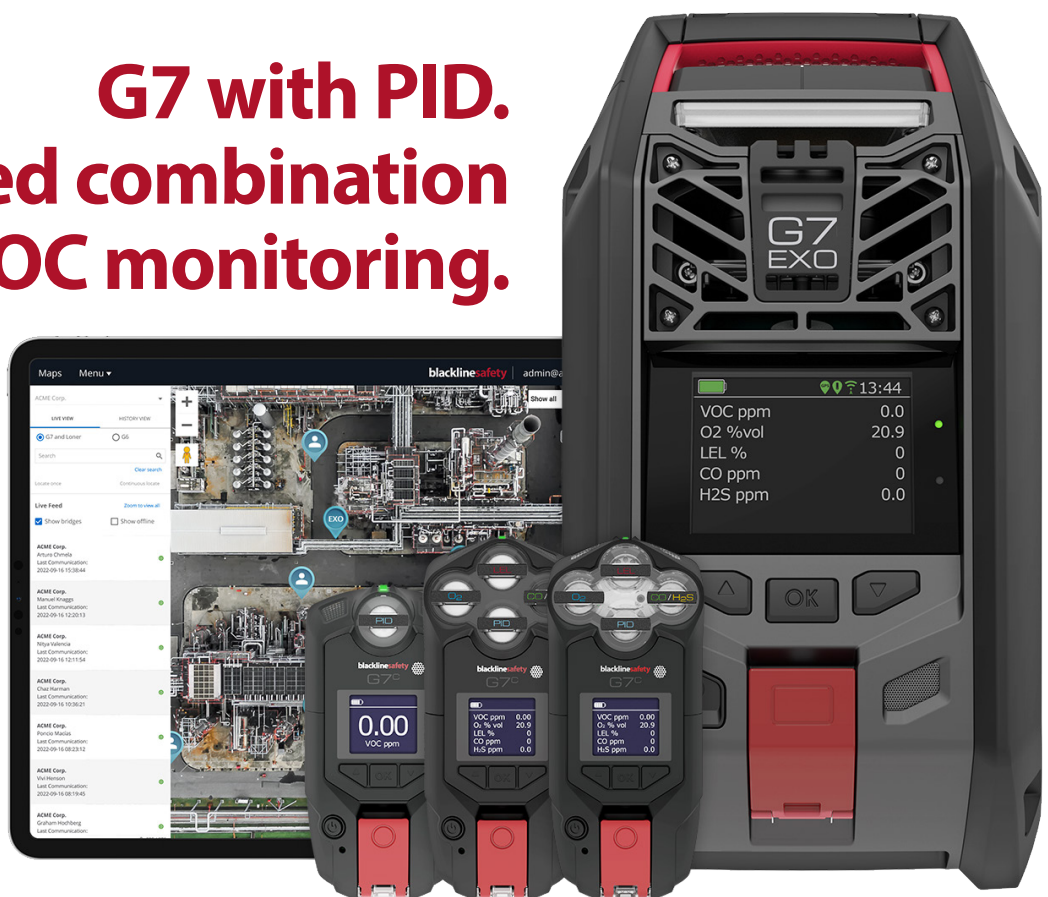


VOC MONITORING

**G7 with PID.
The trusted combination
for VOC monitoring.**

**"1 WORKER DIES
EVERY 30 SECONDS
DUE TO EXPOSURE TO
TOXIC GASES IN THE
WORKPLACE."**

UN Report, 2019.



The combination of ION Science PID technology in Blackline Safety G7 portable gas detectors and G7 EXO area monitors gives users a real-time, cloud-connected view of Volatile Organic Compound (VOC) emissions with location data and comprehensive data analytics. A unique solution, and an extremely powerful tool for HSE Managers and Industrial Hygienists.

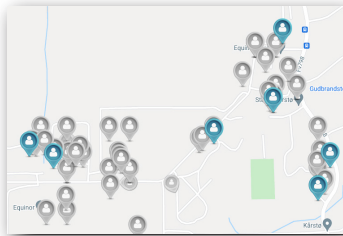
blacklinesafety

TYPICAL APPLICATIONS

- Personnel safety
- Industrial hygiene
- Soil contamination & remediation
- Unintended emissions
- Law enforcement
- Emergency response
- Leak detection
- Perimeter monitoring
- Refineries & petrochemical
- Air quality monitoring

REAL-TIME REPORTING

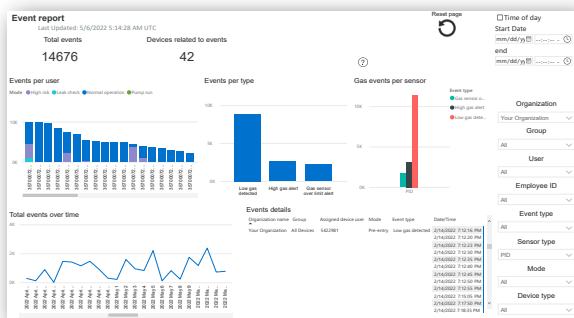
G7 wearables and G7 EXO area monitors devices constantly detect both VOC ambient gas levels and the employee's location, reporting this data back to the Blackline Safety Network wirelessly via cellular or satellite connectivity.



Every reading streamed to the cloud ensures that all data is immediately available for visualisation, giving Industrial Hygienists and HSE Managers the ability to overlay PID readings to mapping hotspots to quickly identify problem areas.

POWERFUL, HASSLE-FREE REPORTING

Constantly monitoring ambient gas levels and employee location, data is live streamed from each G7 device to Blackline Live, generating a large volume of data. The Blackline Analytics platform processes this data to provide rich information about your employees' work environment, so you can make informed decisions about their safety.



- Cloud connectivity ensures every bump test, calibration, gas exposure and usage session are automatically recorded.
- Flexibility to choose from over 700 predefined target gases or the option to configure your own custom correction factors.
- Gas exposure report combines charts of gas sensor readings with interactive maps to display the timeline associated with VOC readings.

INNOVATIVE GAS SENSOR TECHNOLOGY

The ION Science MiniPID2 is a simple plug-and-play sensor which is able to deliver dynamic and dependable response to thousands of volatile organic compounds (VOCs) in a broad range of applications.



- PID independently verified as best performing on the market
- Humidity-resistant
- Anti-contamination design
- 10,000 hours lamp life
- World leading temperature stability
- 10.6 eV lamp
- Internal gas table with over 700 VOCs & toxic compounds
- Expected life > 5 years

The MiniPID 2 sensor includes **patented Fence Electrode Technology** which provides industry leading humidity resistant performance and anti-contamination design, protecting the sensor from moisture, dust and aerosols. Designed for both diffusion and pumped sampling, MiniPID 2 delivers an exceptional response time.

Incorporating the **next generation long-life lamp**, the MiniPID2 provides exceptional stability and long-term performance, enabling reliable detection for 10,000 hours of use. As a result, the **MiniPID2 requires significantly less maintenance**, than previous-generation PID sensors.

LIFETIME SENSOR WARRANTY

All Blackline Safety's service plans include a **lifetime sensor warranty**. Should anything happen to a sensor, or if your MiniPID2 sensor needs to be serviced, replacing the cartridge takes just a few seconds greatly reducing any downtime.



Technical specifications	ION Science MiniPID2 with G7
Range	0-4000 ppm
Resolution	Dynamic
Response time (T90)	<3 sec.
Lamp/Lamp life	10.6eV / 10,000 hours in continuous
Humidity	0-99% RH, non condensing
Internal gas table	Over 700 target gases available*
Calibration gas	Isobutylene (balanced air)
Alarm settings (configurable)	Low & High
Hygiene mode (target gas dependent)	STEL & TWA
Compatible Devices	G7c & G7 EXO (diffusion & pumped)
Fail-safe, self diagnostic capability	Yes

* If the target gas you are looking for is not in the list, you can create a custom target gas by providing the correction factor (See Response Factor Booklet)

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