

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 overview of their VOC emissions with location data, gas mapping and comprehensive data analytics. A unique solution, and an extremely powerful tool for HSE Managers and Industrial Hygienists.



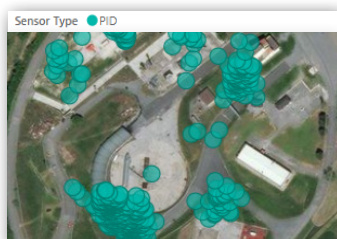
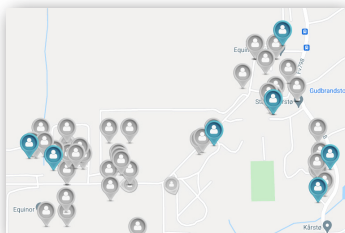
blacklinesafety

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.

HISTORICAL ALERT REPORTING

Gas logs streamed from each G7 device generate a large volume of data that is conveniently processed by the Blackline Analytics platform and Blackline Live compliance dashboard. Through Blackline Analytics, users are able to instantly review every bump test and calibration, filtered by employee.



- Cloud connectivity ensures instant access to all data with no more data logs to retrieve from devices in the field.
- See which employees are using docking stations or manually bump testing in the field.
- Evaluate G7 usage by employee.
- Map locations display where low-level gas leaks are occurring regularly that require mitigation.

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 diffusive 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)

To learn more about the new standard in VOC detection, contact Blackline Safety today.

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