

THE NEW STANDARD FOR VOC MONITORING

CONNECTED GAS DETECTION DELIVERS REAL-TIME COMPLIANCE AND BUSINESS INSIGHTS

Photoionization detectors (PIDs) are the trusted solution to monitor air quality for volatile organic compounds (VOCs) that present health and safety risks to personnel. Permissible exposure limits are defined by safety regulations and it is important for businesses with personnel who work nearby VOCs to monitor employee exposure within these limits.

Blackline's G7c and G7x multi-gas monitors feature a plug-and-play cartridge interface with diffusion and combination diffusion-pump options. Both cartridges are now available with an **industry-leading PID sensor from a world-class sensor vendor — Ion Science**. The world's largest manufacturer of PIDs, Ion Science and has been proven to deliver the highest performance through third-party testing.

Blackline selected the next-generation 10.6 eV Ion Science MiniPID 2 sensor for use in G7 gas sensor cartridges, chosen for its robustness, low maintenance and long service life. Advantages include improved linearity, humidity resistance and an anti-contamination design compared to competitive offerings.

LIFETIME SENSOR WARRANTY

We provide connected gas detection as a service plan that includes a lifetime sensor warranty bundled with live compliance and business analytics. Use your G7c or G7x detector with PID sensors the same way as you would any other gas detector. Should anything happen to a sensor, replacing the cartridge takes just a few seconds and eliminates any downtime.

Using patented Fence Electrode Technology, **MiniPID 2 greatly reduces the level of maintenance** required than previous-generation PID sensors. While routine lamp cleaning and electrode replacements are required less frequently, our lifetime sensor warranty includes free cleaning kits and electrode stack replacements.

REAL-TIME AND HISTORICAL ALERT REPORTING

G7 devices constantly monitor ambient gas levels and the employee's location, reporting this data back to the Blackline Safety Network via 3G or satellite wireless connectivity. Data streamed from each G7 device generates a large volume of data that is conveniently processed by our Blackline Analytics platform and Blackline Live compliance dashboard.

Through Blackline Analytics, instantly review every bump test and calibration by employee. **No more logs to retrieve from the field** and everything is always current. See which employees are using docking stations or manually bump testing in the field. Evaluate G7 usage by employee. Map locations where low-level gas leaks are occurring regularly that require mitigation.



Multi-gas cartridges support the MiniPID 2 sensor in one through five-gas configurations, alongside a broad range of other gas sensors.

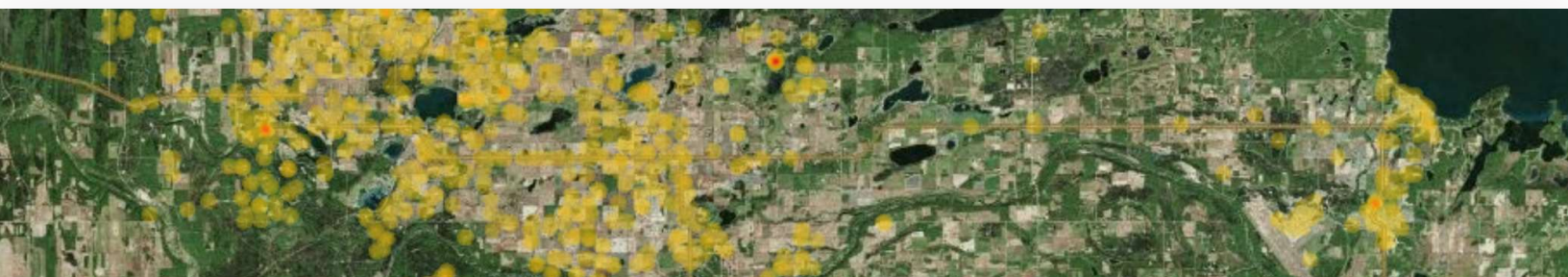


Blackline Analytics delivers critical data:

- G7 and docking station usage
- Calibration and bump test data
- Gas leak heat maps

G7 scales to fit your business with several options to increase safety:

- Real-time alerting to a live monitoring team
- Emergency response management tools
- Two-way voice calling and messaging
- Fall and man-down detection
- Employee check-in
- SOS latch





DETAILED SPECIFICATIONS

Sensor type: Photoionization

Resolution: 0.1 ppm at 0-100 ppm, 2 ppm at 100-6000 ppm

Range: 0-6000 ppm

Model: Ion Science, MiniPID 2

T90 response time: 3 seconds

Lamp life: 10,000 hours continuous

Humidity: 99% RH, non-condensing

Operating life: >5 years (excl. lamp and electrode stack)



ADVANCED CONFIGURATION

G7 is the only detector on the market to offer cartridge modularity that eliminates detector downtime by swapping a cartridge with a failed sensor with a replacement. Modularity also enables a single G7 device to be configured with a broad range of gas sensors through a simple cartridge replacement.

Configuration and firmware updates are automatic and performed wirelessly so devices always operate as they should.

ACCESSORIES



G7 Dock

- Simple, inexpensive, compact and easy-to-use
- Leverages G7 device intelligence and wireless
- Simple bump tests and calibrations
- Wirelessly configured using G7 device
- G7 communicates all test data automatically sent to Blackline Live for compliance reporting



G7 Multi-gas pump cartridge

- Only 17 cc bigger than diffusion cartridge
- Fits every G7 device
- Supports one through five-gas configurations
- Customize from a range of sensors
- Switch between pump and diffusion modes in seconds



Wall-mount multi-charger, five devices

- Mount and charge G7 devices prominently
- Ideal for shared devices
- Increases visibility of devices
- Provides quick access to ready-to-use devices