

ION SENSE partners with Blackline Safety

Exciting new agreement allows Blackline to add ION SENSE photoionisation detector to G7 sensor portfolio through revenue-sharing rental service



 Company: Blackline Safety	 Industry: Manufacturing	 Application: Gas Detection	 Requirements: A supply of MiniPIDs to be added to the G7 Blackline Portfolio
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Background

Blackline Safety is a global connected safety technology leader. Providing comprehensive live-monitoring and wireless gas detection, we help teams working in hazardous environments respond to emergencies in real-time and manage efficient evacuations, accounting for everyone's safety along the way. With millions invested in technology research and development, Blackline Safety is recognized for quality and innovation. Our talented team of designers and engineers create and manufacture in-house — from wearable technology and personal gas detectors to cloud-hosted infrastructure and web-based interfaces for global industry. We deliver the world's first turn-key, work-anywhere, connected safety monitoring solution with gas detection, 3G wireless, satellite communications, two-way speaker phone, employee messaging and live monitoring to meet the demanding safety challenges of organizations in over 100 countries.

For more information, visit www.BlacklineSafety.com



Requirement

ION SENSE has signed a supply and revenue-sharing agreement with Blackline Safety Corp. (TSXV:BLN) to bring an affordable photoionisation detector (PID) to market.

Hazardous to the short-term and long-term health of employees, VOCs are emitted by a variety of liquids and solids that can impact on the respiratory system, skin and eyes, as well as cause fatigue, memory loss and affect the nervous system and function of internal organs. Specialised PID sensors use high-energy ultraviolet light to ionise gases into negatively-charged electrons and positively-charged components. VOC levels are measured by monitoring the current flow between electrodes inside the sensor.

PID sensors are highly sensitive devices and occasionally require cleaning of the internal ultraviolet bulb, bulb replacement and replacement of the electrode stack. Blackline's G7 gas detector features a plug-and-play cartridge interface that enables any G7 device to be equipped with a PID sensor while also limiting maintenance. When a PID sensor requires servicing, Blackline customers simply replace the G7 cartridge in seconds, eliminating downtime. In contrast, traditional PID instruments take tens of minutes each to be disassembled, PID sensor removed and taken apart, parts cleaned and then reassembled.



The ION SENSE Solution

The ION SENSE MiniPID 2 is a simple plug-and-play sensor, able to deliver dynamic and dependable response to thousands of volatile organic compounds (VOCs) in many diverse applications.

All MiniPID 2 sensors include patented Fence Electrode Technology for industry leading humidity resistant performance and anti-contamination design, protecting the sensor from moisture, dust and aerosols.

Its application-specific integrated circuit (ASIC) provides rapid and reliable lamp strike and exceptional temperature stability.

Designed for both diffusive and pumped sampling, MiniPID 2 delivers an exceptional response time and clear down.

MiniPID 2 incorporates our next-generation long-life lamp which provides exceptional stability and long-term performance, enabling reliable detection for 10,000 hours of use.



The Outcome



The ION SENSE MiniPID 2 sensor takes advantage of patented Fence Electrode Technology that eliminates the common problem of humidity influencing VOC readings, while an internal membrane reduces contamination. MiniPID 2 is now available for Blackline’s G7 Single-gas Diffusion Cartridge and Multi-gas Diffusion Cartridge, plus the upcoming Multi-gas Pump Cartridge, scheduled to be released this fall.

Until now, PID technology has been less affordable for large workforce deployments with instruments often costing several thousand dollars each.

Advanced ION SENSE PID sensors are now part of our overall G7 gas detection portfolio and services that include a lifetime sensor warranty. Businesses that have not been able to justify the expense of PID technology can now affordably deploy across their teams with known costs.

Included in our relationship with ION Science is lifetime sensor maintenance, performed at their facility in the United Kingdom. Every time that a customer installs a new PID sensor cartridge, they benefit from a factory-certified replacement that is maintained by expert technicians.

Cody Slater
CEO & Chairman for Blackline Safety



ION Science supplies more PID sensors than any other manufacturer and our MiniPID 2 eliminates two key challenges – humidity and contamination.

Duncan Johns
Managing Director at ION Science