

EverGuard™

Stationary natural gas leak detection solution



EverGuard™ continuously monitors for gas leaks in high risk areas.

Measurement made easy.

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01 EverGuard™ installation

Overview

EverGuard™ provides continuous, ultrasensitive monitoring of natural gas emissions near high-risk areas. This comprehensive gas leak detection solution was designed for the most critical applications, including:

- Upstream installations: well pads and storage
- Midstream distribution network: gathering lines and pipelines
- Downstream facilities: factories, distribution stations and storage facilities
- High-risk zones: public gathering areas, schools, hospitals

The EverGuard™ solution builds on the heritage and decades-long track record of LGR-ICOS™ technology, the latest generation in tunable diode laser absorption spectroscopy techniques.

Features and benefits

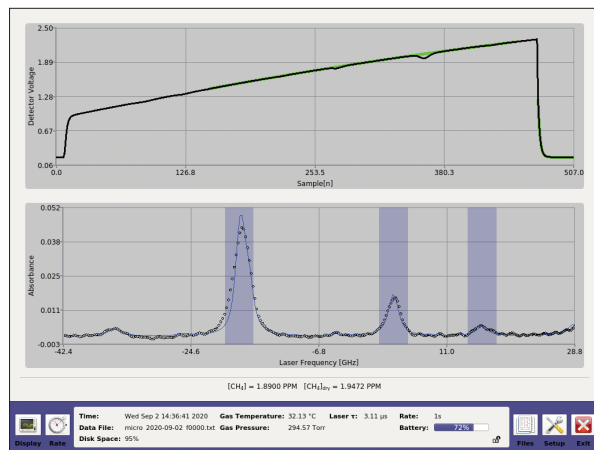
- Continuous gas concentration measurements anywhere
- Fast response rate enables rapid alarm response
- No cross interference
- Highest sensitivity measurements allow detection far from leak source
- Low power requirements facilitate solar power operation
- Inherently rugged technology proven worldwide
- Cyber secure internet connectivity
- Highest reliability
- Simple to service

- 01 EverGuard™ high resolution absorption spectra (UI in Spectra Mode) enables high accuracy, continuous measurements of gas concentrations
- 02 EverGuard™ enclosure

A robust and sensitive solution

EverGuard™ consists of ABB's renowned microportable multi-gas analyzer (GLA131 Series) embedded into a weatherproof NEMA 4X enclosure that can be connected to several optional modules (e.g., solar panel, uninterruptible power supply, cellular transmitter, Wi-Fi router, GNSS receiver, weather station, multi-inlet sampling manifold) to meet the most stringent requirements of almost any application requiring continuous monitoring of natural gas leaks.

Local and remote communication is established using secure wireless communication and internet connectivity. This allows users to access data from anywhere and share data immediately to provide full transparency and meet all compliance requirements.



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ABB's natural gas leak detection solutions have passed rigorous and thorough cyber security tests so that customers can use these products in their mission-critical applications with confidence. This advanced natural gas leak detection solution provides customers with detailed, quantitative data without the need for human review, editing, or filtering. Our customers fully own and always control all data to ensure safety, transparency and integrity.

ABB is at the forefront of providing innovative natural gas leak detection solutions with its powerful gas analysis technology and platform to deliver complete solutions for virtually all applications.



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ABB Inc.
Measurement & Analytics
3400, rue Pierre-Arduin, Québec, Québec
G1P 0B2 Canada

1 800 858-3847 (North America)
Tel.: +1 418-877-2944 (other countries)
Fax: +1 418-877-2834
Email: icos@ca.abb.com

abb.com/analytical

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