

GAZOMAT - NO GAS LEAK GOES UNDETECTED

With more than 2.4 million miles of natural gas pipeline running underground in the U.S. alone, pipeline leak inspection represents a huge and challenging task for American gas operators.

GAZOMAT, as an active partner of major gas distribution companies around the world, understands these challenges. With over 25 years of experience in the development, manufacturing and servicing of electronic detection equipment for the survey of gas distribution and transmission networks, as well as for operator protection in hazardous environments, GAZOMAT is a specialist.

GAZOMAT's reputation for quality and reliability is recognized throughout Europe and around the globe via an extensive distribution network. Expanding further, GAZOMAT is now present in the U.S., with offices and production facility in California, offering local support.

With its policy of continued innovation, GAZOMAT aims at providing advanced cost-efficient solutions.

INSPECTRA® LASER technology to replace Flame Ionization



For the measurement of methane gas concentration, the company introduced technology based on laser spectroscopy. The patented INSPECTRA® LASER system builds on the strengths of optical laser technology to offer unique detection performances exceeding flame ionization capacities:

- high sensitivity (below 1 ppm)
- high selectivity – it detects only methane – thus no false alarms
- a wide measurement range from 0 ppm to 100% volume gas for greater accuracy.
- stability of measurements – immune to humidity and temperature variations

□ Close to 1 second response time for precise leak location.

The INSPECTRA® LASER technology comes in two easy-to-use solutions: the INSPECTRA® LASER methane analyzer, for on-foot leak detection and the VSR INSPECTRA®, for vehicle leak detection up to 25 mph.

Leak survey made easy

To simplify the process for operators, GAZOMAT was the first to introduce a network survey solution with integrated geolocation of gas leaks which is specially designed to ensure total traceability of network monitoring both from vehicles and on-foot.

GAZOMAT's NGS Software breaks with the manual recording process of gas leaks on network paper maps. Data collected during vehicle and pedestrian surveys are automatically saved to any console devices (laptops, tablets, notebooks...), along with the GPS position in real time for accurate geolocation, making it easier for subsequent data processing and analysis. The NGS Software manages both the measurement instrumentation, the GPS positioning system, and uploaded maps and provides survey reports fully documented with pictures and screenshots.

A step further with interconnectivity

Taking advantage of the latest advances in mobile communication systems and devices, GAZOMAT recently developed a mobile application complementing the NGS Software to make it a fully interconnected monitoring system. The GAZOSURVEY mobile application ensures rapid and safe field survey data transfer and task assignment within the maintenance crews for immediate action.

GAZOMAT's gas leak detection range offer gas operators a large variety of innovative, easy-to-use, flexible and reliable solutions to addressing their needs for data integrity, network management optimization and regulatory compliance.

Expert Leak Survey Services

In addition, GAZOMAT™ supports its customers with a professional team of technical



Vehicle and pedestrian network survey with INSPECTRA® LASER portable analyzer and GPS Tablet running NGS software



The NGS software automatically logs survey data, providing total monitoring traceability.

experts, trained in top-level gas leak survey services. GAZOMAT greatly contributes to the global safety and maintenance policy of gas operators by providing comprehensive leak monitoring services - vehicle and pedestrian leak survey, gas leak localization and confirmation - using its latest equipment and technologies. Leak survey services benefit the public and gas companies by:

- Preventing high risk incidents
- Defining economical maintenance policies
- Preventing and reducing product and financial losses
- Complying with safety and environmental regulations

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Methane Emissions Monitoring System



NGMesh software runs on any web browser – no software installation required



Google Earth real-time view of monitoring pods and active on-site leak confirmation activity



INSPECTRA® LASER portable detector connects to mobile app and automatically logs and transfers leak data to NGMesh web-based software

A turnkey solution for 24/7 emissions monitoring of natural gas facilities using laser spectroscopy methane detection technology



Fully customizable, simple and reliable system for:

- Real-time monitoring of gas facility activity with automated leak notifications and alerts
- Easy wireless data transfer from pods and on-site survey operator's portable devices via mobile app
- Easy reporting from web-based software for environmental and safety regulation compliance

NGMesh combines:

- Monitoring pods with built-in laser sensor and cellular wireless network connection
- A web-based management software for data management
- A mobile application for data collection and leak alerts
- An INSPECTRA® LASER portable detector for on-site leak confirmations



GPS



Bluetooth®



Cellular



Geolocation

For more information:
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