



Showcasing New Technologies At The Upcoming World Gas Conference



World-Class Leak Survey Tools

Providing quality gas leak survey tools and services since 1933

Heath's commitment to safety in the natural gas industry is the driving force behind our most innovative products.

We strive to provide best in class manufactured and distributed products for our natural gas industry clients. Including equipment for mobile and walking leak detection surveys, transmission and distribution patrols, leak pinpointing, centering and classification as well as odor concentration equipment.



Remote Methane Leak Detector Customer Service

The RMLD-CS™ is based on our highly successful RMLD technology. This instrument eliminates the separate receiver and transceiver, combining them into one hand-held instrument that is lightweight, portable and field rugged. Remote detection allows utility customer service personnel and first responders to quickly scan an area for suspected gas leaks at a safe distance from the plume.

When the infrared laser beam is transmitted from the launch port some of the laser light is reflected by a normal background such as brick, concrete, grass, etc., to the detector. This reflected light is collected and converted to an electrical signal that carries the information needed to deduce the relative methane concentration. The signal is processed and reported in parts per million meter (ppm-m).



Remote Methane Leak Detector Unmanned Aerial Vehicle

The RMLD-UAV™ is based on our highly successful RMLD technology and ARPA-E Monitor advancements to allow fast, safe and reliable methane leak detection for site level LDAR. The system quickly is deployable by the operator. The UAV then automatically flies a search pattern around the facility. If a leak is detected, it is then localized and the emission rate calculated.

Features include: advanced sUAV suitable for all weather flight, auto search, detection, localization and flux quantification, methane specific and open path bi-static Tunable Diode Laser Absorption Spectroscopy.



MobileGuard™ - Advanced Vehicle Leak Detection System

The MobileGuard gas leak detection system consists of a methane/ethane analyzer, GPS, a sonic anemometer and proprietary leak detection software that presents real-time geospatial maps of multiple gas concentrations. The software's sophisticated leak detection algorithm combines the system's measurements of gas concentrations (CH₄, C₂H₆), local coordinates (GPS) and local wind velocity (sonic anemometer) to estimate the leak location. Readings are stored in the device and can be transmitted in real-time to the Cloud for centralized monitoring.

The MobileGuard gas leak detection system uses ABB's patented LGR Off-Axis Integrated Cavity Output Spectroscopy (OA-ICOS) technique which has a sensitivity and precision more than 3,000 times greater than legacy methods. This enables identification of leaks several hundred feet away from the source.

