



High Resolution Data's Centurion™ Methane Monitoring System is a highly accurate, real-time solution for detecting and measuring methane emissions—a critical challenge in oil and gas production and other methane-prone industries. Designed to support LDAR compliance, minimize product loss, and reduce environmental impact, the Centurion™ system combines advanced, low-cost sensor technology with our patent-pending Always Downwind™ capability to reliably identify even the smallest leaks under demanding weather conditions.

Compact, portable, and easy to deploy, Centurion™ delivers continuous, real-time data for timely response. Wireless connectivity enables remote access and web based monitoring.

Applications

- Detection and monitoring of fugitive methane emissions in oil and gas operations to reduce loss, ensure regulatory compliance, and minimize environmental impact
- Gas Storage well and facility monitoring
- Pre- and post-remediation monitoring of abandoned and orphaned wells
- LDAR (Leak Detection and Repair) compliance monitoring
- Methane emission monitoring at landfills
- Wastewater facility monitoring



PRODUCT SPECIFICATIONS

General

Models..... Permanent and portable

Maximum Zones per Base Unit..... 4

Gas Concentrations..... 1ppm to 100%

Gases Detected..... Methane, VOCs

Environmental Data..... Temperature, RH, Wind Speed and Direction, GPS location

Environmental

Operating Temperature.....-40C to 85C

Power:..... 12VDC (6W), Battery (available solar), Internal Battery - portable model

Sampling Ports

Sampling ports..... ABS cones with particle/hydrophobic filters

Port mounts....."Always Downwind" Vane, Cone, tank, equipment, and tubing mounts

Sample tubing.....1/4" chemical and UV resistant vinyl - others materials available

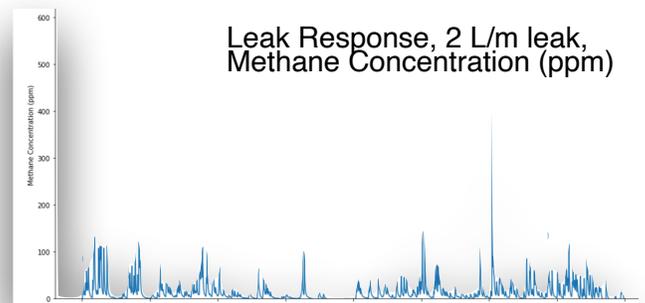
Gateway and Cloud Dashboard

Data Collection and Storage.....Internal 32 GB

Communications..... Cellular to cloud dashboard, local AP web server, Industry standard protocols and API, wired and wireless to standard SCADA protocols

Alarms and Notifications..... Programmable alarms and notifications

Zone inputs..... Coalescer/filter



Feature Summary

- Continuous 24/7 monitoring and real-time methane detection
- Always Downwind™ technology for optimized leak detection in varying wind conditions
- Significantly lower cost compared to alternative solutions
- Quick, straightforward installation
- Real-time data access and alarms