



SELMA Smart

Pump Suction Laser Gas Detector

Enhancing Gas Infrastructure Safety and Efficiency: The SELMA Smart Advantage.

The SELMA Smart pump suction laser gas detector is a purpose-built solution designed to overcome the limitations of legacy systems. Engineered specifically for the detection of methane, this advanced instrument modernizes leak detection protocols by delivering higher performance, greater reliability, and a longer operational life. Its core attributes translate directly into more effective and efficient field operations.

Core Technology: The Power of Wavelength Locking

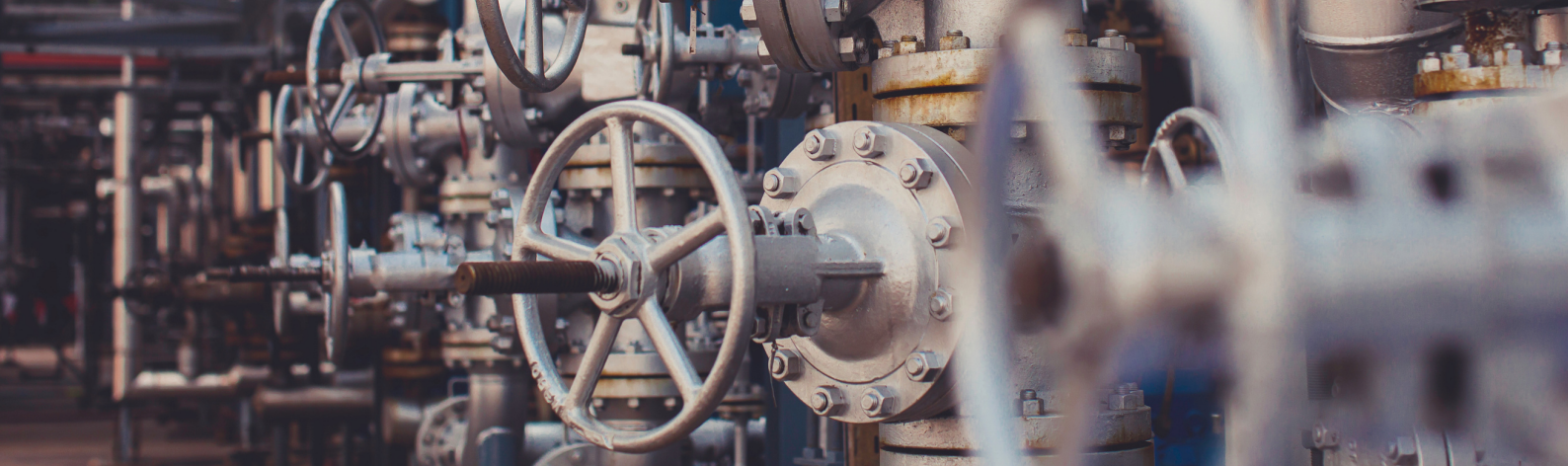
The primary benefit of this technology is the elimination of the need for regular calibration. Unlike conventional detectors that require frequent and time-consuming adjustments to maintain accuracy, the AXD1000 ensures long-term measurement integrity and repeatability without user intervention. This represents a significant reduction in maintenance overhead, freeing utility teams from a constant cycle of workshop-based servicing. This maximizes fleet uptime and eliminates a significant source of recurring operational cost, ensuring instruments are in the field actively surveying infrastructure rather than on a workshop bench.

This fundamental technological advantage enables a new level of flexibility in how leak detection programs are executed in the field.

FEATURES

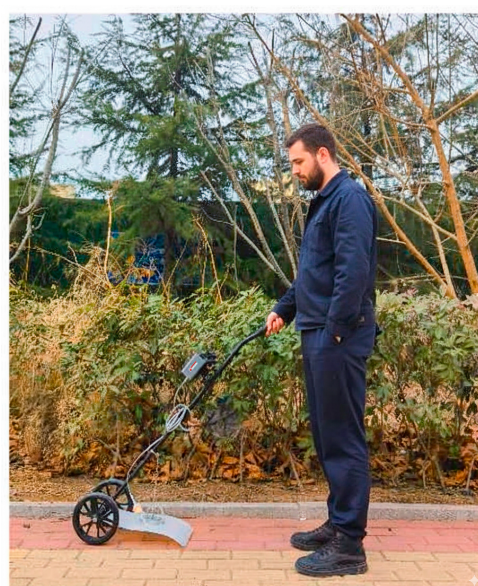
- **High Sensitivity.** Enables the detection of even minor methane leaks, allowing for early intervention and enhanced safety.
- **Fast Response Time.** Provides immediate feedback to field crews, accelerating the process of locating and assessing leak sites.
- **Longer Life.** Reduces total cost of ownership and maximizes asset availability for critical field deployment.
- **Core Technology.** SELMA Smart is built upon a foundation of advanced wavelength locking technology, a feature that provides a decisive advantage in the field.





TECHNICAL SPECIFICATIONS

Gas Detected	Methane (CH ₄)
Measurement Range	0-100% VOL
Sensitivity	1 ppm (Methane)
Response Time	0.1s
Enclosure Rating	IP66
Explosion Proof Classification	Ex ib IIC T3 Gb
Unit	ppm, %LEL, %VOL
Operating Temperature	-20 to +50°C
Long Battery Life	± 10 hours at full charged
Display and Alarm	LCD display + Integrated Audible
Weight	1000g
Product Size	155mm x130mm x60mm



We Invent to Prevent



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