



MethaSense Trace : Real-Time Methane Emissions Monitoring



MethaSense Trace is a comprehensive solution designed for continuous methane emission monitoring, detection, and quantification across large-scale industrial sites.

Aligned with **new Leak Detection and Repair (LDAR) regulations**, it offers an innovative solution for low-emission methane monitoring and detection.

By combining **real-time sensing**, **cloud-based analytics**, and **automated reporting**, it enables operators to detect, localize, and measure methane leaks with precision. This not only helps reduce emissions but also ensures full compliance with evolving methane regulations.

Built for scalability and efficiency, MethaSense Trace delivers **high-performance monitoring** while maintaining one of the lowest total costs of ownership in the industry.





METHA SENSE

Key Features :



Next-Generation NDIR Sensor

Purpose-built for low-level CH₄/LEL emissions monitoring, this ultra-low-power sensor delivers high-performance detection with minimal energy consumption.



Exceptional Methane Sensitivity

Provides 10× higher CH₄ selectivity than previous-generation sensors, with a detection threshold as low as 50 ppm.



Connectivity

Supports LoRaWAN, long-range wireless communication and remote monitoring.



Long-Life Battery Operation

Powered by a replaceable battery with a lifespan of over 10 years, enabling long-term field deployment with minimal maintenance.



Stable, Calibration-Free Performance

Engineered for drift-free operation, eliminating the need for recalibration over time.



Integrated Environmental Sensing

Built-in temperature and humidity sensors provide enhanced environmental suitability.



Regulatory Compliance

Fully aligned with the latest methane emission reduction regulations, supporting your environmental and safety objectives.

MethaSense Trace: Detect methane leaks fast.

Trust Teledyne Gas and Flame Detection for your safety needs.



LEARN MORE



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GAS AND FLAME DETECTION