



GAZOSCAN



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Using the powerful Laser Spectroscopy technology (TDLAS), GAZOSCAN is a handheld remote methane detector (RMD) offering methane selectivity. Ultraportable, intrinsically safe, very easy to use, the device detects leaks at 100m ($\approx$ 330ft) distance on outside gas pipelines along buildings, bridges or within gas and industrial sites, allowing essential workers and first responders to maintain safe distances. When the laser beam of the GAZOSCAN reaches its target, it is partially absorbed by the methane gas plume present. It is then reflected back into the detector for analysis. Results will show on the display screen immediately.



- Leak detection for operations and loss of product gas
- Keeping \$\$ in the pipeline
- Digester integrity
- Reducing Emissions

Applications

Utility Networks

Engines/Compressors

Fire Departments/Hazmat

Landfills

Digesters

Key Benefits

No Calibration Needed (Analyzer Self Checks)

No Drift

Methane Specific

Easily Detect at 100m ($\sim$ 330ft)

Light, Ergonomic, and Intuitive

Point and Shoot

User Configurable Thresholds with Audible and Visual alarms

GAZOSCAN Technical Specification



Measurement Principle: Laser Spectroscopy (TDLAS- Tunable Diode Laser Absorption Spectroscopy)

Gas Selectivity: Methane Gas (CH₄)

Measurement Range: 0.0-99999 ppm*m CH₄

Measurement Accuracy: ±10% Reading

Detection Threshold: 5 ppm*m CH₄

Detection Distance: 100m (~330 ft) and greater

Measuring Speeds: Fast (F) = 0.1s; Medium (M) = 0.4s; Slow (S) = 1.6s

POWER SUPPLY

Power	Rechargeable Lithium battery, 7.2V, 2500mAh
Battery Life	15 hours at 25°C (77°F), two batteries Charge time: < 2 hours

ENVIRONMENTAL CONDITIONS

Operating Temperature	-4°F to 113°F (-20°C to +45°C)
Relative Humidity	<80% non-condensing

PHYSICAL

Dimensions	6.3" x 9.4" x 3.1" (160mm x 240mm x 80mm) with battery
Weight	1.68 lbs with battery

DISPLAY

2.8" LCD screen display with green backlighting-3 areas: Measurements/Icons/Graphics Window

Manufactured in the USA



- Identification of emission sources at 100m (330ft) distance
- TDLAS for continuous measurement without drift
- Audible and visual alarms with instant response (0.1s)
- Manufactured in USA
- Manage cost as CapEx or OpEx

Learn more about Ecotec's design, development and manufacturing of cutting-edge gas detectors and software by visiting our website

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