

**Ribble Enviro**  
*...everything gas detection*

# Data Sheet

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Using the powerful Laser Spectroscopy technology (TDLAS), GAZOSCAN MINI is a handheld remote methane detector (RMD) offering methane selectivity.

Ultraportable, intrinsically safe, and very easy to use, the device detects leaks at a 15m (50ft) distance on outside gas pipelines, digesters, compressors, or gas and industrial sites. When the laser beam of the GAZOSCAN MINI 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 cost in the pipeline**
- **Digester integrity**
- **Reducing Emissions**

### Applications

Gas Networks / Components

Waste Water / Sewage Treatment

AD Biogas Sites

Landfills

Engines / Compressors

### Key Benefits

Tunable Diode Laser Technology

No Drift

Methane Specific

Easily Detect at 15m (~50ft)

Light, Ergonomic, and Intuitive

Point and Shoot

No Servicing Required

User Configurable Thresholds with Audible and Vibration Alarms

## Technical Specifications

General	
Measurement Principle	Laser Spectroscopy (TDLAS- Tunable Diode Laser Absorption Spectroscopy)
Gas Selectivity	Methane Gas (CH <sub>4</sub> )
Measurement Range	0-99999 ppm*m CH <sub>4</sub>
Measurement Accuracy	± 10% Reading
Response Time	< 0.05s
Detection Threshold	5 ppm*m CH <sub>4</sub>
Detection Distance	5 ppm*m CH <sub>4</sub>
Detection Threshold	15m (~50ft) and Greater
Measuring Speeds	Fast (F) = 0.1s

Power Supply	
Power	Rechargeable Internal Lithium Battery - 5 hours charge time (via USB-C)
Battery life	12 hours

Environmental Conditions	
Operating/Storage Temperature	-4°F to 122°F (-20°C to +50°C)
Relative Humidity	<98% RH (no condensation)

Physical	
Dimensions	8.9" x 2.7" x 4.1" (227mm x 68mm x 105mm) with Battery
Weight	0.85 lbs (386g)
Display	1.6" OLED

Certification Rating	
	Intrinsically Safe Ex ib IIB T4 Gb Enclosure Rating - IP65 IECEX: IECEX Ex ib op is IIB T4 Gb

# GAZOSCAN MINI

Handheld Remote Methane Detector (RMD)



- Identification of emission sources at 15m (50ft) distance
- TDLAS for continuous measurement without drift
- Audible and vibration alarms with instant response (0.1s)
- Service life of laser sensor probe > 10 years under regular use
- All day battery Life (12 hours) via USB-C charging
- No servicing required, removing ongoing costs and downtime

Learn more about the Gazoscan Mini, other Gas Data products, and the manufacturing of cutting-edge gas analysers, detectors and software.

[gasdata.co.uk](https://www.gasdata.co.uk)