



Gas Data portable gas analysers are designed for on site analysis in demanding biogas, landfill, and site investigation conditions where accurate measurements are essential. The GM25 range of gas analysers are highly accurate and reliable whilst being certified for use in potentially explosive EX Zone 1 atmospheres.

Applications

Biogas Monitoring

Biomethane Analysis

Landfill Gas Analysis

Land Remediation

Wastewater & Sewage Treatment

Key Benefits

Suitable Solutions

Gas Data equipment has a wide range of internal gas sensors and external attachments, giving you the choice and freedom to purchase your monitoring solution tailored to your operations.

Real-Time Data

The GM25 series supports site operations in the best possible way. Quickly and easily, it captures information in just a few minutes, giving you visibility of the production and quality of the gases.

Cost-Effective

Versatile, lightweight and easy to use. The GM25 range doesn't require any specialist knowledge, delivering valuable data at your fingertips. A 2-4 hour charge from flat provides 8 hours of continuous use.

GM25 Series

Product Comparison



Applications	GM25-2	GM25-3	GM25-4	GM25-5
Biogas	✓			
Biomethane	✓			
Syngas	✓			
Landfill	✓	✓	✓	✓
Gas Flow Measurement			✓	

Technical Specifications

GM25-2

Gas Measurements					
Combination options	Channel	Sensor Type	Range	Resolution	Accuracy
Choose up to 1	CH ₄	IR	0-100%	0.1%	± 3.0% landfill configuration ± 1.0% biogas configuration
	CO ₂		0-100%	0.1%	± 3.0% landfill configuration ± 1.0% biogas configuration
Choose up to 4	O ₂	EC	0-25%	0.1%	± 0.1%
	H ₂ S		0-10,000ppm	1ppm	± 100ppm
			0-5000ppm	1ppm	± 50ppm
			0-2000ppm	1ppm	± 20ppm
	H ₂		0-200ppm	1ppm	± 10ppm
			0-2000ppm	1ppm	± 20ppm
			0-1000ppm	1ppm	± 10ppm
CO	0-4% (for indication purposes only)	0.1%	± 0.2%		
0-2000ppm	10ppm	± 100ppm			
Pressure Measurements					
Choose up to 2	Atmospheric	Transducer	800 to 1200mB	1mB	± 2mB
	Static		± 100mB	1mB	± 5mB
			± 400mB	1mB	± 2.0mB
Choose up to 1	Differential	± 30mB	1mB	± 5.0mB at ± 25mB	
		± 1000Pa	1Pa	± 0.5Pa at ± 1000Pa	

GM25 Series

Product Comparison

GM25-3

Gas Measurements				
Channel	Sensor Type	Range	Resolution	Accuracy
CH ₄	IR	0-100%	0.1%	± 3.0%
CO ₂		0-100%	0.1%	±3.0%
O ₂	EC	0-25%	0.1%	± 1.0%
H ₂ S		0-5000ppm	1ppm	± 50ppm
CO		0-2000ppm	10ppm	± 100ppm
LEL	Calculation	0-100%	0.1%	± 3.0%
Pressure Measurements				
Atmospheric	Transducer	800 to 1200mB	1mB	± 2mB
Static		± 100mB	1mB	± 5mB
Differential		± 30mb	0.01mB	± 0.5mB
Optional Measurements				
Flow	Calculation	0.30Nm ³ hr ⁻¹	0.1m ³ hr ⁻¹	± 5%

GM25-4

Gas Measurements				
Channel	Sensor Type	Range	Resolution	Accuracy
CH ₄	IR	0-100%	0.1%	± 3.0%
CO ₂		0-100%	0.1%	±3.0%
O ₂	EC	0-25%	0.1%	± 1.0%
H ₂ S		0-5000ppm	1ppm	± 50ppm
CO		0-2000ppm	10ppm	± 100ppm
Hexane	Calculation	0-2%	0.1%	± 2.0%
LEL		0-100%	0.1%	± 3.0%
Pressure Measurements				
Atmospheric	Transducer	800 to 1200mB	1mB	± 2mB
Differential	Calculation	± 1250Pa	1Pa	± 3 - ± 250Pa
Flow Rate	Transducer	-60 - 100Lhr ⁻¹	0.1Lhr ⁻¹	± 3Lhr ⁻¹




GM25-5

Gas Measurements				
Channel	Sensor Type	Range	Resolution	Accuracy
CH ₄	IR	0-100%	0.1%	± 3.0%
CO ₂		0-100%	0.1%	± 3.0%
O ₂	EC	0-25%	0.1%	± 1.0%
H ₂ S		0-10,000ppm	1ppm	± 5.0%
CO		0-2000ppm	10ppm	± 5.0%
LEL	Calculation	0-100%	0.1%	± 3.0%
Balance		0-100%	0.1%	± 5.0%
H ₂ compensated CO cell included to compensate for interference from Hydrogen up to 1%				
Pressure Measurements				
Atmospheric	Transducer	800 to 1200mB	1mB	± 2mB
Static		± 100mB	1mB	± 5mB

Optional Measurements for All Models

Optional Measurements				
Velocity	Vane Anemometer	0.7-40ms ⁻¹	0.1ms ⁻¹	± 0.5 ms ⁻¹
Temperature	Thermistor	-10-100°C	0.5°C	± 1.0°C

General Specifications for All Models

General	
Rating	ATEX, IECEX, UKEx  II 2 G Ex ib IIB T1 Gb
Dimensions	260mm x 100mm x 75mm
Weight	1kg
Ambient Temperature Range	-10°C to 40°C
Aspiration Rating	500mil/min

DataField GM25 Connect

The GM25 series can be used by itself or in combination with the DataField GM25 Connect app which allows the GM25 analyser to be controlled via a mobile device or tablet. This results in faster operations whilst being able to configure how readings are taken suiting the individual users needs. If an internet connection is present, the application can live-stream the data to the web-based portal as opposed to downloading it directly from the device after all readings have been taken, resulting in much faster access to the gas analysis data.

