



Gas Data portable gas analysers are designed for on site analysis in demanding Biogas and Landfill processing conditions where accurate measurements are essential. The 400 and 600 range of GFM's are ATEX 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 sensors and external attachments, giving you the choice and freedom to purchase your monitoring solution tailored to your operations.

#### Real-Time Data

The GFM 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.

#### Simple Operation

Versatile, lightweight and easy to use. The GFM range doesn't require any specialist knowledge, delivering valuable data at your fingertips. Suitable for use in potentially explosive areas, with a battery life of 8 hours without leaving your operations behind.

# GFM Series

## Product Comparison



GFM 406



GFM 436



GFM 426



GFM 610

### APPLICATIONS

Biogas	✓			
Biomethane	✓			
Syngas	✓			
Landfill	✓	✓	✓	
Gas Flow Rate Measurement		✓		✓

## Technical Specifications

### GFM 406

Gas Measurements					
Combination Options	Channel	Sensor Type	Range	Resolution	Accuracy
Choose up to 1	CH4 + CO2	IR	0-100%	0.1%	± 3.0%
	CO2		0-10%	0.1%	± 0.5%
			0-10000ppm	10ppm	± 500ppm
Choose up to 4	O2	EC	0-25%	0.1%	± 0.1%
	H2S		0-10000ppm	10ppm	± 500ppm
			0-5000ppm	10ppm	± 250ppm
			0-2000ppm	10ppm	± 100ppm
	H2		0-200ppm	1ppm	± 10ppm
			0-2000ppm	10ppm	± 100ppm
	CO		0-1000ppm	10ppm	± 50ppm
			0-4%	0.1%	± 0.2%
			0-2000ppm	10ppm	± 100ppm

Pressure Measurements				
Combination Options	Channel	Range	Resolution	Accuracy
Choose up to 2	Atmospheric	800 to 1200mbar	1mbar	± 2mbar
	Static	± 400mbar	1mbar	± 20mbar
		±100mbar	1mbar	± 5mbar
Choose up to 1	Differential	±1000Pa	1Pa	± 50Pa
		± 30mbar	0.01mbar	±0.5mbar

## GFM 436

Gas Measurements				
Channel	Sensor Type	Range	Resolution	Accuracy
CH4	IR	0-100%	0.1%	± 3.0%
CO2		0-100%	0.1%	± 3.0%
O2	EC	0-25%	0.1%	± 0.1%
H2S		0-5000ppm	10ppm	± 250ppm
CO		0-2000ppm	10ppm	± 100ppm
LEL	Cal	0-100%	0.1%	± 3.0%
Hexane		0-2%	0.1%	± 0.2%

Pressure Measurements				
Atmospheric		800 to 1200mbar	1mbar	± 2mbar
Static		-200 to 200mbar	1mbar	± 0.5mbar
Differential		-1250 to 1250Pa	1Pa	± 3-250Pa

Flow Measurements				
Instantaneous Flow		-60 to 100L/hr	0.1L/hr	0.5-3L/hr
Peak Flow Display		-60 to 100L/hr	0.1L/hr	0.5-3L/hr

## GFM 426

Gas Measurements				
Channel	Sensor Type	Range	Resolution	Accuracy
CH4	IR	0-100%	0.1%	± 3.0%
CO2		0-100%	0.1%	± 3.0%
O2	EC	0-25%	0.1%	± 1.25%
H2S		0-5000ppm	10ppm	± 250ppm
CO		0-2000ppm	10ppm	± 100ppm
LEL	Cal	0-100%	0.1%	± 3.0%
Hexane		0-100%	0.1%	± 5.0%

Pressure Measurements				
Atmospheric		800 to 1200mbar	1mbar	± 2mbar
Static		± 100mbar	1mbar	± 5mbar
Differential		± 30mBar	0.01mbar	± 0.5mbar

Additional Measurements				
Flow Rate		0-30Nm <sup>3</sup> /hr	0.1m <sup>3</sup> /hr	± 5% of reading
Velocity		0-40m/s	0.1m/s	± 0.5m/s
Temperature		-10 to 100° C	0.5° C	± 0.5° C

## GFM 610

Measurements			
Channel	Range	Resolution	Typical Accuracy
Velocity	0-40m/s	0.1m/s	± 0.5m/s
Instantaneous Flow	-60 to 100L/hr	0.1L/hr	± 0.5 to 3L/hr
Differential	-30 to 30mbar	0.01mbar	± 3 to 250Pa



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