

GFM 406

ATEX Multichannel Portable Gas Analyser

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Our Mission

For nearly 30 years Gas Data have been designing and developing fully engineered gas analysis techniques. Our expertise is focused around generation of sustainable green energies, such as biogas. Every day, we help businesses all over

the world to deliver clean energy through our safe, reliable and scientific data analysis. We believe that the environment is our responsibility, which is why we are dedicated to empowering environmental evolution.

GFM Series Features

- Small portable design that is easy to hold in one hand
- SiteMan PC software
- High contrast LCD display
- User swappable battery pack
- Battery life ranging from 8 - 12 hours, depending on model
- Maximum charging time of 4 hours
- Charger suited to your country
- Protective weather proof leather case
- Supplied in a ready-to-go site kit
- Annual recalibration interval



Servicing

To ensure they are always reliable and operating at the best efficiency level, we strongly recommend our clients to perform an annual service and recalibration by either, Gas Data or any Gas Data approved service centre. Gas Data annual services for

the GFM series instruments come at a fixed price and include a 12 month warranty, so that our clients can be certain of their annual maintenance costs and enjoy the peace of mind. This cost includes a full service, calibration and repair of your instrument

at no additional cost throughout the life cycle of the product (the only exclusions are damages caused by negligence and mishandling of the instruments). Temporary courtesy hire instruments are available.

GFM 406 Technical Specification

General

Ex. Rating to	EEx ib IIB T1
Ambient Temperature Range	-10°C to 40°C
Protection rating	IP65
Aspiration Rating	300ml/min minimum
Dimensions	200mm x 100mm x 60mm (approx.)

Gas Measurements

Combination Options	Channel	Sensor type	Range	Resolution	Typical Accuracy
Choose up to 1	Methane + Carbon Dioxide	IR	0 - 100%	0.1%	± 3.0%
	Carbon Dioxide		0 - 10%	0.1%	± 0.5%
Choose up to 4	Oxygen	ECH	0 - 10000ppm	10ppm	± 500ppm
			0 - 25%	0.1%	± 0.2%
	Hydrogen Sulphide		0 - 10000ppm	10ppm	± 100ppm
			0 - 5000ppm	10ppm	± 50ppm
	Hydrogen		0 - 2000ppm	10ppm	± 20ppm
			0 - 200ppm	1ppm	± 2ppm
			0 - 2000ppm	10ppm	± 20ppm
	Carbon Monoxide		0 - 1000ppm	10ppm	± 10ppm
0 - 4%		0.1%	± 0.2%		
Hydrocarbons	0 - 2000ppm	10ppm	± 100ppm		
	0 - 100ppm	1ppm	± 5ppm		
Choose up to 1	Hexane - only available with CH ₄ + CO ₂ IR	Calc	0 - 300ppm	1ppm	± 15ppm

Pressure Measurements

Choose Up to	Measurement Type	Range	Resolution	Typical Accuracy
Choose Up to 2	Atmospheric	800 to 1200mbar	1mbar	± 2mbar
	Static	± 400mbar	1mbar	± 20mbar
		± 100mbar	1mbar	± 5mbar
Choose up to 1	Differential	± 1000Pa	1mbar	± 50ppm
		± 30mbar	1mbar	± 1.5mbar

GFM 406 Specific Optional Features

- LEL 0 - 100% expansion only with CH₄ + CO₂ IR Expansion
- Vane anemometer to measure gas velocity of 0 to 40m/s
- Short brass probe to measure temperature of -10 to 100°C
- Data logger with USB download
- Expansion balance gas calculation

Certifications



For each gas or pressure measurement, only one range can be chosen.
All GFM's are available to purchase or hire (UK only). Please contact our team for details.

Other products available



Maintenance



Fixed System



Gas Flow Monitoring



ATEX Rated Systems