

Gas Data GFM406

A portable Biogas and Biomethane Analyser

The **Gas Data GFM406** is an ATEX accredited hand-held gas analyser configured for operational checks on Biogas and Gas to Grid installations.

It is lightweight, small and robustly constructed with a weather resistant case making it perfect for use on biogas plants both large and small.

Built with the latest generation data logging functions, it allows all measured and entered values to be stored for later viewing or analysis. Using Gas Data's Siteman 5 software and USB download cable, the data and location codes can easily be transferred to and from a PC.

Data can be stored manually, using the store button, or the internal logger can be programmed to take and store readings automatically whilst the instrument is left unattended.



Above - Gas Data's Siteman 5 software



Above - GFM406 in action

GFM406 Series Features and Options

- High contrast LCD display
- ATEX accredited
- Internal pump
- Supplied in a 'ready to go to' site kit including leather carry case with strap
- Small portable design, easy to hold in one hand
- Attended and unattended data logging capability
- 24 character alphanumeric labels for naming of stored data sets
- Optional USB download with Siteman 5 PC software
- Comprehensive service agreements available
- 8 hour battery life with 4 hour recharge time
- 12 month recommended recalibration interval
- Optional Temperature probe
- Optional Vane anemometer

Typical Technical Specification GFM406 for Biogas

General		
Ex rating to	EEx ib IIB T1	
Ambient Temperature Range	-10 deg C to 40 Deg C	
Sample Pump	300 ml/min minimum Input pressure -200mbar min, +50 mbar max	
Protection Rating	IP65	
Dimensions	200mm x 100mm x 60mm (Approx)	
Channels	Range (resolution)	Typical Accuracy
Gas Measurements		
Methane	(CH ₄) 0-100 % v/v	0.3% @ 5% 1.0% @ 60% 2.0% @ 100%
Carbon Dioxide	(CO ₂) 0-100 % v/v	0.3% @ 5% 1.0% @ 40% 2.0% @ 100%
Oxygen	(O ₂) 0-25 % v/v	0.1%
Hydrogen Sulphide	(H ₂ S) 0-5000ppm v/v	10ppm
Pressure Measurements		
Differential	+/- 30mB	0.5mbar
Velocity		
Optional Vane Anemometer	0-40m/s (0.1)	0.5m/s
Temperature		
Optional Temp Probe	-10-100 C (0.1)	0.2 C



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Products available from Gas Data



GFM100 Series
Single and multiple gas analyser



GFM226
Stowaway detection



GFM426



GFM436



GFM600 Series
Pressure and flow



Click! System
Fixed site monitoring



Combimass
Gas flow monitoring