

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

# Data Sheet

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# GFM 436

## ATEX site investigation, landfill and compliance 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

- Intrinsically safe and ATEX certified
- Provides measurements of up to 6 gases
- Can measure atmospheric, static and dynamic differential pressures
- 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.



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empowering environmental evolution

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## GFM 436 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

Channel	Sensor Type	Range	Resolution	Typical Accuracy
Methane	IR	0 - 100%	0.1%	3.0%
Carbon Dioxide		0 - 100%	0.1%	3.0%
Oxygen	ECH	0 - 25%	0.1%	0.2%
Hydrogen Sulphide		0 - 5000ppm	10ppm	50ppm
Carbon Monoxide		0 - 2000ppm	10ppm	20ppm
LEL	Calc	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 436 Specific Features

- Factory calibrated infrared sensor for measuring Hexane vapour
- Photo Ionisation Detector (PID) correction factor for low levels of Volatile Organic Compounds (VOC)
- Bi-directional measurement of instantaneous and peak borehole flow
- Storage of 2 water level readings from DIP meter taken at each borehole
- Manual data storage and programmable unattended data logging functions
- 3 tier hierarchical 24 character alphanumeric labels for the naming of stored reading sets

## Certifications



Customising gas and pressure combinations are not available on this model. The GFM 436 is a fixed configuration. All GFM's are available to hire or purchase. Please contact our team for details.

## Other products available



Maintenance



Fixed System



Gas Flow Monitoring



ATEX Rated Systems