

GFM 436

ATEX site investigation, landfill and compliance Gas Analyser

+44 (0)24 7630 3311
office@gasdata.co.uk
www.gasdata.co.uk
Gas Data Limited
Unit 4, Fairfield Court
Seven Stars Estate
Coventry, CV3 4LJ
United Kingdom

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.



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