

## ATEX and MCerts Certified Landfill Gas Analysers

The **GFM400** Series of handheld field instruments mark a step change in the design, performance and maintenance of portable landfill gas analysers. They meet all current demands from the landfill, biogas and contaminated land monitoring markets. Incorporating industrial standard sensors and user replaceable battery packs the GFM400 series leads the way for easy expansion, easy upgrade and easy maintenance. Gas Data's open upgrade path design philosophy guarantees that any model can be upgraded at any time.

### GFM400/410

Optimised for the control and maintenance of landfill gas extraction systems and Flares. Its simple, quick operation is designed to help engineers minimise down time and maximise plant efficiency.

### GFM430

Measuring gas concentrations, pressures, flows and temperatures the GFM430, is ideal for monitoring landfill gas migration and conducting contaminated land site investigations.

### GFM435

Optimised for site investigation and peripheral landfill monitoring, the GFM435 comes as standard with 5 gas channel (CH<sub>4</sub>, CO<sub>2</sub>, O<sub>2</sub>, H<sub>2</sub>S and CO) and is fully MCerts approved on all gas and flow channels. With the additional features of PID (Photo Ionisation Detector) compensation factor and HEXANE channel, the GFM435 is the ultimate portable landfill monitor offering an array of functions.



### Series Features

- Up to 7 gas analysis channels
- 4 Wavelength optical infra-red analyser
- Atmospheric pressure
- Powerful sample pump
- User replaceable sample filter
- Field replaceable/rechargeable battery pack
- Optional flow, pressure and temperature
- Industry standard sensors
- Open upgrade path
- Data storage option
- 12 month service interval



### Specification

		GFM400	GFM410	GFM430	GFM435
<b>Common features</b>					
Infra red CH <sub>4</sub> analysis	0-100%	✓	✓	✓	✓
LEL	0-100%	✗	✓	✓	✓
Infra red CO <sub>2</sub> analysis	0-100%	✗	✓	✓	✓
Electrochemical O <sub>2</sub> analysis	0-25%	✓	✓	✓	✓
Atmospheric pressure	800 to 1200 mbar	✗	✓	✓	✓
Static (Gauge) Pressure	±400 mbar	✓	✓	✗	✗
Vane anemometer input	0.01-40.0 m/s	✓**	✓**	✓**	✓**
Temperature probe input	-10 to 100c	✗	✓**	✓**	✓**
<b>Optional gas channels</b>					
CO		✓	✓	✓	✓*
H <sub>2</sub>		✓	✓	✓	✓
H <sub>2</sub> S		✓	✓	✓	✓*
<b>Additional Features</b>					
PID (Photo Ionisation Detector) Compensation Factor		✗	✗	✗	✓
HEXANE Channel		✗	✗	✗	✓
<b>Borehole flow measurement</b>					
Flow Range	-60 to +100 l/hour	✗	✗	✓	✓
Flow Resolution	0.1 l/hour	✗	✗	✓	✓
Borehole Pressure	+1000/-1000 Pa (Typical)	✗	✗	✓	✓
<b>Certification</b>					
ATEX		✓	✓	✓	✓
MCerts		✗	✗	✗	✓

\*Standard item

\*\*Additional anemometer and/or temperature probe required.



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### Other products available from Gas Data



**GFM100 Series** - Single and multiple channel analyser



**GFM200**  
Stowaway detection



**GFM416**  
Biogas analyser



**GFM435**  
Ultimate landfill analyser



**GFM600**  
Pressure and flow



**Click! System**  
Fixed site monitoring



**Combimass**  
Gas flow Monitoring