

Gas Data GFM100 series

Versatile Single and Multi Channel Handheld Gas Analysers.

GFM101 single channel analyser can be fitted with either single range infra-red carbon dioxide (CO₂) (0-10,000ppm or 0-10%) OR one electrochemical cell from the range of gases listed overleaf.

The **GFM111** dual channel analyser can be fitted with one infra-red carbon dioxide (CO₂) channel (either 0-10,000ppm OR 0-10%) and one electrochemical cell from the range of gases listed overleaf.

The **GFM121** three channel analyser can be fitted with one infra-red carbon dioxide (CO₂) channel (either 0-10,000ppm OR 0-10%) and two electrochemical cells from the range of gas listed overleaf.

The **GFM130** instrument can be fitted with up to six gas channels including carbon dioxide (CO₂) (0-100%) or methane (CH₄) (0-100%). This analyser also offers full ATEX approval.



Applications include

- Landfill gas hydrogen sulphide monitoring
- Landfill gas combustion detection
- Biogas monitoring
- Compost monitoring
- Mushroom farming
- CO₂ bulk storage monitoring
- Modified atmosphere packaging (MAP)
- Incubator monitoring
- Laboratory analysis
- Environmental and climate research
- Indoor Air Quality (IAQ) surveys

Features

- Simple handheld operation
- Internal pump
- 12 hours use from one quick 4 hour charge
- 12 month service interval
- User calibration
- User replaceable battery pack
- Large clear backlit display
- Data storage option



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GAS DATA
Gas Analysis and Control

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

			GFM101	GFM111	GFM121	GFM130	
CHOOSE BASE MODEL  CHOOSE CHANNELS 			ONE channel only	ONE Infra-red and ONE electrochemical	ONE Infra-red and TWO electrochemical	ONE to SIX channel ATEX certified	
			Choose from ONE of the below	Choose ONE Infra-red and ONE electrochemical	Choose ONE Infra-red and TWO electrochemical	Choose maximum of ONE infra-red and maximum of FIVE electrochemical	
INFRA-RED	Carbon dioxide (CO ₂)	0 – 10,000 ppm	✓	✓	✓	✓	
	Carbon dioxide (CO ₂)	0 – 10%	✓	✓	✓	✓	
	Carbon dioxide (CO ₂)	0 – 100%	✗	✗	✗	✓	
	Methane (CH ₄)	0 – 100%	✗	✗	✗	✓	
ELECTROCHEMICAL*	Oxygen (O ₂)	0 – 25%	✓	✓	✓	✓	
	Carbon monoxide (CO)	0 – 2000 ppm	✓	✓	✓	✓	
	Hydrogen sulphide (H ₂ S)	0 – 200 ppm	✓	✓	✓	✓	
	Hydrogen sulphide (H ₂ S)	0 – 5000 ppm	✗	✗	✗	✓	
	Hydrogen sulphide (H ₂ S)	0 – 10000 ppm	✗	✗	✗	✓	
	Hydrogen (H ₂)	0 – 1000 ppm	✓	✓	✓	✓	
	Sulphide dioxide (SO ₂)	0 – 20 ppm	✓	✓	✓	✓	
	Sulphide dioxide (SO ₂)	0 – 100 ppm	✓	✓	✓	✓	
	Nitric oxide (NO)	0 – 250 ppm	✓	✓	✓	✓	
	Nitrogen dioxide (NO ₂)	0 – 20 ppm	✓	✓	✓	✓	
	Ammonia (NH ₃)	0 – 1000 ppm	✓	✓	✓	✓	
	Data storage and download software			✓	✓	✓	✓

* Electrochemical cells used are of industry standard and are available in the instruments as indicated above.

Please note however, **all** electrochemical sensors are subject to varying degrees of cross sensitivity to other gases and it is important to have full understanding of gases present in the mix chosen to monitor. Please contact Gas Data to discuss further.

Spares and accessories available

	Part No.
Hard transportable carrycase	16933
Protective leather case (Included as standard on all 130 models)	16781
Spare sample tube	17227
Spare external contaminant filters (Pack of 10)	18810
Spare internal contaminant filters (Pack of 10)	18811
Spare battery pack	15655