

Ribble Enviro
...everything gas detection

Data Sheet

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Gasurveyor 500 series



Presentation

The GMI Gasurveyor 500 Series is the most flexible range of gas detectors available today.

By simple selection of hardware and software options, you can easily configure the product to suit your exact application.

Features

- Measures flammable, oxygen and toxic gases.
- Dual mode operation - Combustible Gas Indicator (CGI) / Confined Space Monitor (CSM).
- Rechargeable or alkaline battery options.
- Approved to European and North American safety standards.
- Extremely robust anti-static case.
- Simple to use.
- Built-in sampling pump as standard.
- Large LCD with automatic backlighting in low level light conditions.
- Compatible with the GMI range of Auto Calibration Systems.
- Audible / visual alarms for all gas ranges.
- Fault alarms for low flow, low battery etc.
- Probes for a wide range of applications.



Gasurveyor 500 series

Gas measurement device

In the Gasurveyor 500 range of instruments, GMI offer highly accurate and reliable gas detection instrumentation in an extremely robust, anti-static case. The following table allows you to select the 500 series instrument features to suit your specific needs. If you require further information please contact GMI.

Gasurveyor 500 models

SENSORS	511	512	521	522	523	524	525	526	531	532	533	534	536	541	542
0-100% LEL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0-100% Gas	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0-1000ppm CH4		X		X		X		X		X		X	X		X
0-25% O2			X	X					X	X	X	X		X	X
0-200ppm H2S					X	X			X	X			X	X	X
0-1000ppm CO							X	X			X	X	X	X	X

All models have Alarms and Datalogging enabled in Confined Space Mode (CSM).

Technical specification

Dimensions:	180 x 95 x 105 mm / 7.1 x 3.7 x 4.1 in.
Weight:	1.7 kg / 3.75 lbs
Display:	LCD with automatic backlighting
Humidity:	0-100% R.H. non-condensing
Temperature:	-20°C to +50°C (-4°F to +122°F)
Alarms:	Highly visible flashing LED Sounder: In excess of 80dB(A), typically 85dB(A) @ 1m.
Sampling:	Integral pump with flow fail sensor; sample path is protected by a hydrophobic filter and automatic pump switch-off
Battery:	4 'D' size Alkaline Cells or Rechargeable Battery Pack
Battery Life:	15 hours Alkaline or 9 hours Rechargeable
Construction:	Moulded polypropylene case
Rating:	IP54 (Dust protected and splashproof)
Response Time: (typical)	LEL Flammable: 3 secs (t ₉₀); 5 secs (t ₉₅) Oxygen: 7 secs (t ₉₀) Toxics: 15 secs (t ₉₀)
Certification:	ATEX II 2 G EEx ia d IIC T4 (Ta = -20°C to +50°C) IECEX Ex ia d IIC T4 Gb (Ta = -20°C to +50°C) UL Class I Groups A, B, C and D CSA Class I Groups ABCD C22.2 No. 152



Ordering information and accessories

44511/44511R	Gasurveyor 511 (Alkaline)	(Rechargeable)
44512/44512R	Gasurveyor 512 (Alkaline)	(Rechargeable)
44521/44521R	Gasurveyor 521 (Alkaline)	(Rechargeable)
44522/44522R	Gasurveyor 522 (Alkaline)	(Rechargeable)
44523/44523R	Gasurveyor 523 (Alkaline)	(Rechargeable)
44524/44524R	Gasurveyor 524 (Alkaline)	(Rechargeable)
44525/44525R	Gasurveyor 525 (Alkaline)	(Rechargeable)
44526/44526R	Gasurveyor 526 (Alkaline)	(Rechargeable)
44531/44531R	Gasurveyor 531 (Alkaline)	(Rechargeable)
44532/44532R	Gasurveyor 532 (Alkaline)	(Rechargeable)
44533/44533R	Gasurveyor 533 (Alkaline)	(Rechargeable)
44534/44534R	Gasurveyor 534 (Alkaline)	(Rechargeable)
44536/44536R	Gasurveyor 536 (Alkaline)	(Rechargeable)
44541/44541R	Gasurveyor 541 (Alkaline)	(Rechargeable)
44542/44542R	Gasurveyor 542 (Alkaline)	(Rechargeable)
13844	Simple 'low cost' Charger c/w Universal Plug	

Note: Above instruments supplied with - Harness; 4mm Hex Driver; User Handbook; 1.5m Clear Sample Line; Carrying Case; Standard Probe; Probe Handle Assembly; Sample Line Adaptor; 2 Packs of Cotton Filters.

Sensor specification

Gas	Range	Resolution
Flammable LEL	0-100%	0.1% (0 - 9.9%) 1% (10 - 100%)
Flammable Volume	0-100%	1%
Flammable ppm	0-1000ppm	1ppm
O ₂	0-21%	0.1%
	21-25%	1%
H ₂ S	0-200ppm	1ppm
CO	0-1000ppm	1ppm

As an ISO 9001 approved company, Gas Measurement Instruments quality assurance programmes demand the continuous assessment and improvement of all GMI products. Information in this leaflet could thus change without notification and does not constitute a product specification. Please contact GMI or their representative if you require more details.



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