

# Gasurveyor 500 Series



## 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.

- 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



[www.gmiuk.com](http://www.gmiuk.com)

## Detection, Protection, Innovation

**GMI. CONFIDENCE WHERE SAFETY IS CRITICAL.** Gas Measurement Instruments designs, manufactures and markets a wide range of the highest quality proven personal portable and fixed gas monitoring systems. GMI is an international brand with a worldwide network of distributors and dedicated service centres ensuring fast and effective turnaround on instrument calibration and repair. Our uncompromising engineering excellence, established in over half a century of leadership, enables us to meet the exacting demands of industries where safety is critical. By building and maintaining strong relationships with our customers, GMI understands the unique challenges of the diverse markets we serve. Today, our proud heritage of pioneering gas leak monitors and detectors is shaping the future of GMI.

# Gasurveyor 500 Series

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 SPECIFICATIONS	
<b>Dimensions:</b>	180 (7.1) x 95 (3.7) x 105 (4.1) mm. (in.)
<b>Weight:</b>	1.7 (3.75) kg. (lb.)
<b>Display:</b>	LCD with automatic backlighting
<b>Operating Temperature:</b>	-20°C to +50°C (-4°F to +122°F)
<b>Humidity:</b>	0-95% RH Non-Condensing
<b>Construction / Protection Rating:</b>	Moulded polypropylene case protected to IP54
<b>Sampling System:</b>	Integral pump with flow fail sensor; sample path protected by hydrophobic filter and auto pump switch off.
<b>Power Supply:</b>	4 'D' size Alkaline Cells or Rechargeable Battery Pack
<b>Battery Life:</b>	Alkaline: Approx. 15 hours runtime (NiCd) Rechargeable: Approx. 9 hours runtime
<b>Alarms:</b>	Highly visible flashing LED Sounder: In excess of 80 dB(A), typically 85 dB(A)@ 1m
<b>Response Time: (typical)</b>	LEL Flammable: 3 secs (t <sub>90</sub> ); 5 secs (t <sub>90</sub> ) Oxygen: 7 secs (t <sub>90</sub> ) Toxics: 15 secs (t <sub>90</sub> )
<b>Approvals:</b>	EEEx iad IIC T4 Gb II 2G UL Class 1 Groups A, B, C and D MED 0038/YY IEC Ex iad IIC T4 Gb (Ta=-20°C to +50°C) CSA Class 1 Groups ABCD C22.2 No. 152
<b>Standards:</b>	EN50014 / EN50018 / EN50020 / UL913

ORDERING INFORMATION AND ACCESSORIES		
<b>44511/44511R</b>	Gasurveyor 511 (Alkaline)	(Rechargeable)
<b>44512/44512R</b>	Gasurveyor 512 (Alkaline)	(Rechargeable)
<b>44521/44521R</b>	Gasurveyor 521 (Alkaline)	(Rechargeable)
<b>44522/44522R</b>	Gasurveyor 522 (Alkaline)	(Rechargeable)
<b>44523/44523R</b>	Gasurveyor 523 (Alkaline)	(Rechargeable)
<b>44524/44524R</b>	Gasurveyor 524 (Alkaline)	(Rechargeable)
<b>44525/44525R</b>	Gasurveyor 525 (Alkaline)	(Rechargeable)
<b>44526/44526R</b>	Gasurveyor 526 (Alkaline)	(Rechargeable)
<b>44531/44531R</b>	Gasurveyor 531 (Alkaline)	(Rechargeable)
<b>44532/44532R</b>	Gasurveyor 532 (Alkaline)	(Rechargeable)
<b>44533/44533R</b>	Gasurveyor 533 (Alkaline)	(Rechargeable)
<b>44534/44534R</b>	Gasurveyor 534 (Alkaline)	(Rechargeable)
<b>44536/44536R</b>	Gasurveyor 536 (Alkaline)	(Rechargeable)
<b>44541/44541R</b>	Gasurveyor 541 (Alkaline)	(Rechargeable)
<b>44542/44542R</b>	Gasurveyor 542 (Alkaline)	(Rechargeable)
<b>13184</b>	Simple 'low cost' Charger c/w Universal Plug	

All above instruments are 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.

GASURVEYOR 500 SERIES SENSOR SPECIFICATIONS		
RANGES	GAS	RESOLUTION
0 to 100% LEL	flammable	0.1%(0 - 9.9%) 1% (10 - 100%)
0 to 100% VOL	flammable	1%
0 to 25%	oxygen	0.1%
0 to 1000 ppm	carbon monoxide	1 ppm
0 to 100 ppm	toxics	1 ppm



© 2008 Gas Measurement Instruments Ltd.



**Gas Measurement Instruments Ltd**

**Gas Measurement Instruments Ltd.**

Inchinnan Business Park  
Renfrew  
PA4 9RG  
Scotland  
Tel: +44 (0) 141 812 3211  
Fax: +44 (0) 141 812 7820  
sales@gmiuk.com  
www.gmiuk.com

**GMI Service and Calibration Division**

25 Cochran Close  
Crownhill  
Milton Keynes  
MK8 0AJ  
Tel: +44 (0) 1908 568 867  
Fax: +44 (0) 1908 261 056  
service@gmiuk.com  
www.gmiuk.com

**Distributed by:**

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.

Gasurveyor 500 Series product brochure Part No. 99405  
Issue 5 - 16/02/11