



Gasurveyor 500 Series

Configurable Gas Detection

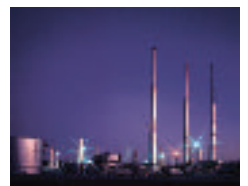


The GMI Gasurveyor 500 series is the most flexible range of gas detectors available today. By simple selection of hardware and software options, you, the user, can easily configure the product to suit your exact application.

Some standard versions of the Gasurveyor 500 are available and their details are available upon request. The Gasurveyor 500 series of instruments offer highly accurate and reliable instrumentation in an extremely robust, anti-static case.

FEATURES




- Measures flammable gases and vapours
- Search, ppm, LEL and VOL flammable ranges
- Measures Oxygen and Toxic Gases
- Rechargeable or alkaline battery options
- Meets EN50054 and other relevant performance standards
- Approved to European and North American safety standards
- Extremely robust
- Simple operation
- '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 gas alarms
- Fault alarms for low flow, low battery etc.
- Probes for a wide range of applications
- Automatic or manual datalogging as standard

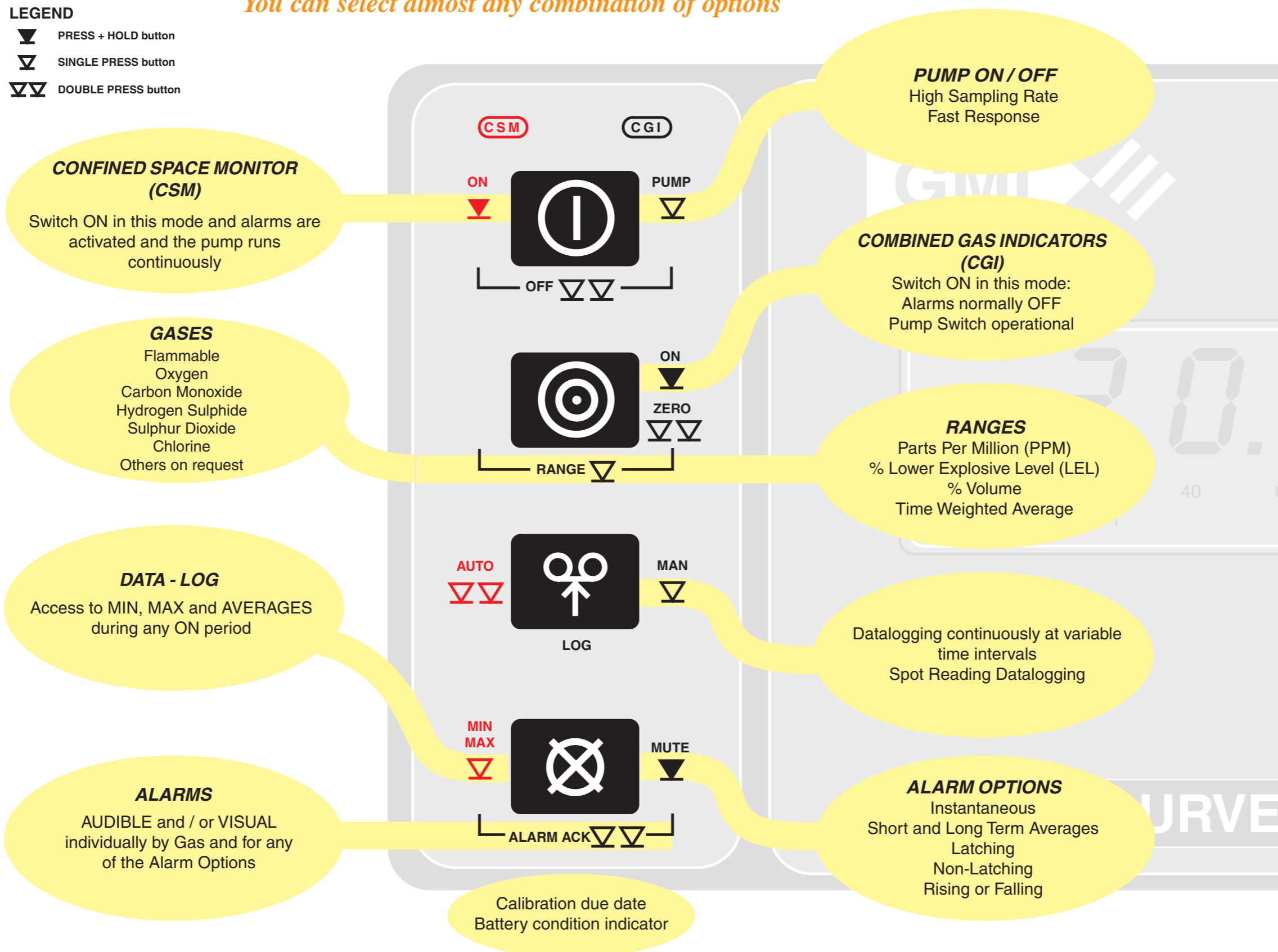


The Operational Features and Ranges of the Gasurveyor 500

You can select almost any combination of options

LEGEND

-  PRESS + HOLD button
-  SINGLE PRESS button
-  DOUBLE PRESS button



Simply the most flexible, but simple to use, Gas Detector available



TYPICAL CHARACTERISTICS

Dimensions

180 x 90 x 105 mm

Weight

1.7 kg

Display

LCD with automatic backlighting

Operating Temperature

-20°C to +50°C

Humidity

0-95% RH Non-Condensing

Ranges	Gas	Resolution
Search	flammable	–
0 - 1000 ppm	flammable	5 ppm
0 - 100% LEL	flammable	0.1% (0 - 9.9%) 1% (10 - 100%)
0 - 100% VOL	flammable	1%
0 - 25%	oxygen	0.1%
0 - 1000 ppm	carbon monoxide	1 ppm
0 - 100 ppm	toxics	1 ppm

Construction / Protection Rating

Moulded polypropylene case protected to IP54

Power Supply

4 'D' size Alkaline Cells or Rechargeable Battery Pack

Sampling System

Integral pump with flow fail sensor; sample path protected by hydrophobic filter and auto pump switch off.

Battery Life

> 15 hours with Alkaline

> 8 hours with Rechargeable

Alarms

Highly visible flashing LED

Sounder: In excess of 80 dB(A), typically 85 dB(A) @ 1m

Response Time (typical)

LEL Flammable: 3 secs (t_{50}); 5 secs (t_{90})

Oxygen: 7 secs (t_{90})

Toxics: 15 secs (t_{90})

Approvals

EEx iad IIC T4  II2G

UL Class 1 Groups A, B, C and D

Standards

EN50014 / EN50018 / EN50020 / UL913

STANDARD ACCESSORIES

Each instrument is supplied with the following as standard:
Harness ; 4mm. Hex. Driver ; Handbook ;
1m. Clear Sample Line.

Description	Part No.	
Gasurveyor 500 Standard Accessory Pack.	42141	<input type="checkbox"/>
Consisting of: Gasurveyor 500 Carrying Case ; Standard Probe ; Probe Handle Assembly ; Sample Line Adaptor ; 2 Packs Cotton Filters.		
Gasurveyor 500 Gas Industry Survey Accessory Pack.	42151	<input type="checkbox"/>
Consisting of: Gas Industry Survey Carrying Case (Large) ; Probe Handle Assembly ; Probe Handle Adaptor ; Bellows Probe. Note: Large carrying case has space for special probes, e.g. Swan Neck 2 Packs of Cotton Filters		
* Simple Low Cost Charger (240V UK)	13184	<input type="checkbox"/>
* Simple Low Cost Charger (220V Euro)	13317	<input type="checkbox"/>
* Simple Low Cost Charger (110V USA)	13322	<input type="checkbox"/>

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