

## TYPICAL CHARACTERISTICS

### Dimensions

180 (7.1) x 95 (3.7) x 105 (4.1) mm. (in.)

### Weight

1.7 (3.75) kg. (lb.)

### Display

LCD with automatic backlighting

### Operating Temperature

-20°C to +50°C (-4°F to +122°F)

### Humidity

0-95% RH Non-Condensing

Ranges	Gas	Resolution
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

### Construction / Protection Rating

Moulded polypropylene case protected to IP54

### Sampling System

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

### Power Supply

4 'D' size Alkaline Cells or Rechargeable Battery Pack

### Battery Life

Alkaline: Approx. 15 hours runtime

(NiCd) Rechargeable: Approx. 9 hours runtime

### Alarms

Highly visible flashing LED

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

### Default Alarm Settings

LEL - 20%

CO - 35 ppm

Oxygen - 19% Lo, 23% Hi

### Response Time (typical)

LEL Flammable: 3 secs ( $t_{90}$ ); 5 secs ( $t_{99}$ )

Oxygen: 7 secs ( $t_{90}$ )

Toxics: 15 secs ( $t_{90}$ )

### Approvals

EEx iad IIC T4

UL Class 1 Groups A, B, C and D

### Standards:

EN50014 / EN50018 / EN50020 / UL913

Distributor

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## ORDERING INFORMATION

Description	Part No.	
Gasurveyor 3-500 (Alkaline)	42503	<input type="checkbox"/>
Gasurveyor 3-500 (Rechargeable)	42503R	<input type="checkbox"/>
Gasurveyor 6-500 (Alkaline)	42506	<input type="checkbox"/>
Gasurveyor 6-500 (Rechargeable)	42506R	<input type="checkbox"/>
Gasurveyor 11-500 (Alkaline)	42501SH	<input type="checkbox"/>
Gasurveyor 11-500 (Rechargeable)	42501SHR	<input type="checkbox"/>
Gasurveyor 500 Gas Industry Survey Accessory Pack.	42151	<input type="checkbox"/>
Simple 'low cost' Charger c/w Universal Plug	13184	<input type="checkbox"/>

All above instruments are supplied with: Gasurveyor 500 Carrying Case; Standard Probe; Probe Handle Assembly; Sample Line Adaptor; 2 Packs of Cotton Filters; Harness; 4mm. Hex. Driver; User Handbook; 1m. Clear Sample Line;

Consisting of: Gas Industry Survey Carrying Case (Large); Probe Handle Assembly; Probe Handle Adaptor; Bellows Probe; 2 packs of Cotton Filters. Note: Large carrying case has space for special probes, e.g. Swan Neck

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As an ISO 9001 approved company, GMI Ltd's 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.



MED



The Council of Gas Detection and Environmental Monitoring

# GMI



# Gasurveyor

3-500 6-500 11-500



Gasurveyor 3 - 500  
Gasurveyor 6 - 500  
Gasurveyor 11 - 500

The GMI Gasurveyor 500 Series is GMI's most technologically advanced range of gas detectors to date. GMI has developed this new range of standard instruments to cover the majority of your gas detection requirements.

This includes:

Gasurveyor 3 - 500: (flammable gas only)	0 to 100% LEL 0 to 100% Volume Gas
Gasurveyor 6 - 500: (flammable gas and carbon monoxide)	0 to 100% LEL Flammable 0 to 100% Volume Gas Flammable 0 to 1000 PPM Carbon Monoxide
Gasurveyor 11 - 500: (flammable gas and oxygen)	0 to 100% LEL 0 to 100% Volume Gas 0 to 25% Oxygen

GMI also offers the user a fully configurable instrument option. Please contact us for further information.

## FEATURES

- ❖ Flammable gas leak location instruments:
  - with mode for purging / inerting operations (3-500 / 11-500)
  - with oxygen monitoring (11-500)
  - with carbon monoxide monitoring (6-500)
- ❖ Rechargeable or alkaline battery options
- ❖ Approved to European and North American safety standards
- ❖ Extremely robust anti-static case
- ❖ Simple to use, 2-button operation
- ❖ Built-in sampling pump as standard
- ❖ Large LCD with automatic backlighting in low level light conditions
- ❖ Audible / visual alarms for all gas ranges
- ❖ Fault alarms for low flow, low battery etc.
- ❖ Compatible with the GMI range of Auto Calibration Systems



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*The Operational Features and Ranges of the Gasurveyor 3-500 / 6-500 / 11-500*

**LEGEND**

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

*Gasurveyor 3 - 500*

Gasurveyor 3 – 500:  
(flammable gas only) 0 to 100% LEL  
0 to 100% Volume Gas

Single Press and Hold:  
To switch instrument ON  
Double Press:  
To switch instrument OFF

Single Press:  
To toggle Pump ON / OFF  
during operation

Single Press and Hold:  
To switch instrument ON  
in purge mode

Double Press:  
To Acknowledge Alarm



Current range  
being displayed

Displays gas readings  
(autoranges LEL → GAS)

Gasurveyor 6 – 500: 0 to 100% LEL Flammable  
0 to 100% Volume Gas Flammable  
0 to 1000ppm Carbon Monoxide

Single Press and Hold:  
To switch instrument ON  
Double Press:  
To switch instrument OFF

Single Press:  
To toggle Pump ON / OFF  
during operation

Single Press:  
To switch range LEL / Gas  
→ CO → LEL / Gas

Double Press:  
To Acknowledge Alarm



Current range  
being displayed

Infra red  
communication  
port

Analogue bar graph

LED  
Visual Alarm

*Gasurveyor 6 - 500*

Gasurveyor 11 – 500: 0 to 100% LEL  
0 to 100% Volume Gas  
0 to 25% Oxygen

Single Press and Hold:  
To switch instrument ON  
Double Press:  
To switch instrument OFF

Single Press:  
To toggle Pump ON / OFF  
during operation

Single Press and Hold:  
To switch instrument ON  
in purge mode

Single Press:  
To switch range  
LEL → O<sub>2</sub> → LEL (On)  
VOL → O<sub>2</sub> → VOL (Purge)

Double Press:  
To Acknowledge Alarm



Current range  
being displayed

*Gasurveyor 11 - 500*