



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.

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.

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 centers 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 SPECIFICATION | |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions: | 180 x 95 x 105 mm / 7.1 x 3.7 x 4.1in. |
| 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 ₉₀) 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 | |
| <i>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.</i> | | |

| 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 |



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