

# GMI



## ***OXYGAS 500 and OXYGAS P-500***



**OXYGEN**

**VOL GAS**

**LEL**

*(Oxygas P-500 only)* **PPM**

***A combination instrument for your Leak detection and Purging / Inerting operations***

### **FEATURES:**

- ◆ *Combustible Gas Indicator (CGI) and Purge modes*
- ◆ *Simple 2-button operation, allowing user access to all features*
- ◆ *Audible and Visual Geiger (Ticker) in PPM range (Oxygas P-500 only)*
- ◆ *Integral pump*
- ◆ *Optional Alkaline Cells or Rechargeable Battery Pack*
- ◆ *Proven track record for reliability*
- ◆ *Rugged carbon loaded polypropylene case, sealed to IP54 rating and suitable for outdoor use*
- ◆ *LCD with backlighting which displays the current gas readings (in both digital and analogue format)*
- ◆ *Comprehensive range of accessories*
- ◆ *ATEX approved*
- ◆ *Directly Interfaces with the GMI Auto Test Calibration Units*



**GMI - PROTECTING ENVIRONMENTS . . . WORLDWIDE**



Distributor

## Measuring Ranges

### Oxygas 500

- 0 to 25% Oxygen (O<sub>2</sub>)
- 0 to 100% VOL GAS
- 0 to 100% LEL

### Oxygas P-500

- 0 to 25% Oxygen (O<sub>2</sub>)
- 0 to 100% VOL GAS
- 0 to 100% LEL
- 0 to 1000 PPM Flammable

## Resolution

Oxygen (O <sub>2</sub> )	0 to 21%	0.1%
	21 to 25%	1%
Vol Gas	0 to 100%	1%
LEL	0 to 10%	0.1%
	10 to 100%	1%
PPM Flam.	0 to 1000	5 ppm

## Physical Properties

Weight: 1.7 kg (3.75lbs.) with alkaline batteries  
 Dimensions: 180 x 95 x 105 mm.  
 (7.08 x 3.74 x 4.13 in.)

## Environment

Temperature Limits: -20°C to + 50°C  
 (-4°F to + 122°F)  
 Humidity: 0 to 95% R.H. non-condensing

## Construction

Moulded polypropylene case protected to IP54

## Display

LCD containing:  
 Analogue display scaled 0-10, 0-100, 0-1000, 0-10000  
 4-digit digital display  
 3-character range indication  
 Operational flags

## Sampling System

Integral pump with flow fail sensor  
 Sample path is protected by hydrophobic filter and automatic pump switch-off

## Power Source

Four 'D' size alkaline cells providing approx. 15 hours runtime at 20°C (68°F).  
 Rechargeable (NiCd) battery pack providing approx. 9 hours runtime at 20°C (68°F).

## Geiger (Ticker)

Indicates gas concentration increase in PPM range via the increased rate of sounder and LED pulse (Oxygas P-500 only).

## Certification

EEx iad IIc T4 (-20°C ≤ Tamb ≤ 50°C)

BAS01ATEX2292 II 2 G

UL 913 Class I Group ABCD

## Expected Sensor Life

Flammable 5 Years  
 Oxygen 2 Years

## Ordering Information

	Part No.	
<b>OXYGAS 500 (Alkaline)</b>	<b>42501X</b>	<input type="checkbox"/>
<b>OXYGAS 500 (Rechargeable)</b>	<b>42501XR</b>	<input type="checkbox"/>
<b>OXYGAS P-500 (Alkaline)</b>	<b>42501P</b>	<input type="checkbox"/>
<b>OXYGAS P-500 (Rechargeable)</b>	<b>42501PR</b>	<input type="checkbox"/>

Above instruments are supplied with: Field Carrying Case ; Shoulder Harness ; 4mm. Hex Driver ; LR20 Batteries x 4 (if applicable) Clear Sample Line 1.5m. (4ft 10in) ; Plastic Probe 35cm. (1ft 2in) Solid End ; Probe Handle c/w Filters ; Sample Line Adaptor ; Cotton Particulate Filters (Box of 10) x 2 ; User Handbook.

## Accessories

	Part No.	
Standard Charger c/w Power Supply (240V - UK Plug)	<b>13184</b>	<input type="checkbox"/>
Standard Charger c/w Power Supply (220V - Euro Plug)	<b>13317</b>	<input type="checkbox"/>
Standard Charger c/w Power Supply (110V - USA Plug)	<b>13322</b>	<input type="checkbox"/>
Standard Charger c/w Power Supply (220V - Australian Plug)	<b>12888</b>	<input type="checkbox"/>
12V Car Charger Lead (for use with Standard Charger only)	<b>12988</b>	<input type="checkbox"/>
5-Way Lead for Multi-Charging (for use with Standard Charger only)	<b>13163</b>	<input type="checkbox"/>
Smart Charger & Datalogging Software c/w 240V Power Supply (UK Plug)	<b>13100</b>	<input type="checkbox"/>
Smart Charger & Datalogging Software c/w 220V Power Supply (Euro Plug)	<b>13440</b>	<input type="checkbox"/>
Smart Charger & Datalogging Software c/w 110V Power Supply (USA Plug)	<b>13340</b>	<input type="checkbox"/>
Smart Charger & Datalogging Software c/w 220V Power Supply (Australian Plug)	<b>12890</b>	<input type="checkbox"/>
FlexiCal 'Lite' Calibration Software	<b>42690</b>	<input type="checkbox"/>
Plastic Probe - 35cm. Open End	<b>13427</b>	<input type="checkbox"/>
Plastic Probe - 80cm. Solid End	<b>12393</b>	<input type="checkbox"/>

## Accessories (Oxygas P-500 only)

	Part No.	
Probe Handle	<b>13561</b>	<input type="checkbox"/>
Probe Handle Adaptor Assembly (use with 13561)	<b>13562</b>	<input type="checkbox"/>
In-line Dust Filter Assembly (use with 13561)	<b>42184</b>	<input type="checkbox"/>
In-line Water Filter Assembly (use with 13561)	<b>42183</b>	<input type="checkbox"/>
Bellows Cup Probe (use with 13561)	<b>13563</b>	<input type="checkbox"/>
Swan Neck Probe c/w Shroud (use with 13561)	<b>13655</b>	<input type="checkbox"/>

For all other sampling probes and accessories, and for calibration gases, contact GMI Ltd:



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 Renfrew, PA4 9RG, Scotland, U.K.  
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