

# GMI



## **OXYGAS<sup>®</sup> 500** *and* **OXYGAS<sup>®</sup> 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 that 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**

### Measuring Ranges

Oxygas 500 / 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 (Oxygas P-500 only)

### 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:

4-digit digital display

Analogue 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 (Ex) II 2 G



UL 913 Class I Group ABCD



Ex ia Class ABCD C22.2

### Expected Sensor Life

Flammable 5 Years

Oxygen 2 Years

### Ordering Information

	Part No.	
OXYGAS <sup>®</sup> 500 (Alkaline)	42501X	<input type="checkbox"/>
OXYGAS <sup>®</sup> 500 (Rechargeable)	42501XR	<input type="checkbox"/>
OXYGAS <sup>®</sup> P-500 (Alkaline)	42501P	<input type="checkbox"/>
OXYGAS <sup>®</sup> P-500 (Rechargeable)	42501PR	<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 Universal Power Supply	13184	<input type="checkbox"/>
12V Car Charger Lead (for use with Standard Charger only)	12988	<input type="checkbox"/>
5-Way Lead for Multi-Charging (for use with Standard Charger only)	13163	<input type="checkbox"/>
Smart Charger & Datalogging Software c/w 240V Power Supply (UK Plug)	13100	<input type="checkbox"/>
Smart Charger & Datalogging Software c/w 220V Power Supply (Euro Plug)	13440	<input type="checkbox"/>
Smart Charger & Datalogging Software c/w 110V Power Supply (USA Plug)	13340	<input type="checkbox"/>
Smart Charger & Datalogging Software c/w 220V Power Supply (Australian Plug)	12890	<input type="checkbox"/>
FlexiCal Calibration Software	42696	<input type="checkbox"/>
Plastic Probe - 35cm. Open End	13427	<input type="checkbox"/>
Plastic Probe - 80cm. Solid End	12393	<input type="checkbox"/>

### Accessories (Oxygas P-500 only)

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

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



Certificate No Q109763



Gas Measurement Instruments Ltd.,  
Inchinnan Business Park,  
Renfrew, PA4 9RG, Scotland, U.K.

Tel: +44 (0) 141-812 3211 Fax: +44 (0) 141-812 7820

www.gmiuk.com e-mail: sales@gmiuk.com

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.

GMI -  
PROTECTING ENVIRONMENTS . .  
WORLDWIDE