

# 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



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