



Advanced Test Equipment Corp.

www.atecorp.com 800-404-ATEC (2832)



TELEDYNE GAS MEASUREMENT INSTRUMENTS
Everywhere you look™

Oxygas® 500 - Oxygas® P-500



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.



Oxygas® 500 - Oxygas® P-500

Technical Specification

Measuring Ranges:	0 to 25% Oxygen (O ₂) 0 to 100% VOL GAS 0 to 100% LEL 0 to 1000 PPM Flammable (Oxygas P-500 only)		
Resolution:	Oxygen (O ₂)	0 to 21% 21% to 25%	0.1% 1%
	Vol Gas	0 to 100%	1%
	LEL	0 to 10% 10% to 100%	0.1% 1%
	PPM Flam.	0 to 1000	5 ppm
Dimensions:	180 x 95 x 105 mm / 7.1 x 3.7 x 4.1 in.		
Weight:	1.7 kg / 3.75 lbs		
Display:	LCD containing: 4-digit digital display Analogue display 3-character range indication Operational Flags		
Humidity:	0-95% R.H. non-condensing		
Temperature:	-20°C to +50°C (-4°F to +122°F)		
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 at 20°C (68°F)		
Construction:	Moulded polypropylene case		
Rating:	IP54 (Dust protected and splashproof)		
Geiger (Ticker):	Indicates gas concentration increase in PPM range via the increased rate of sounder and LED pulse (Oxygas P-500 only)		
Sensor Life:	Flammable 5 Years Oxygen 2 Years		
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 913 Class I, Div 1 Groups A, B, C and D		



Ordering Information And Accessories

42501X	OXYGAS® 500 (Alkaline)
42501XR	OXYGAS® 500 (Rechargeable)
42501P	OXYGAS® P-500 (Alkaline)
42501PR	OXYGAS® P-500 (Rechargeable)
Above instruments are supplied with:	
Field Carrying Case; Shoulder Harness; 4mm Hex Driver; LR20 Batteries x 4 (if applicable); Clear Sample Line 1.5m; Plastic Probe 35cm Solid End; Probe Handle c/w Filters; Sample Line Adaptor; Cotton Particulate Filters (Box of 10) x 2; User Handbook.	
13184	Standard Charger c/w Universal Power Supply
12988	12V Car Charger Lead
13100	Smart Charger & Datalogging Software c/w 240V Power Supply (UK Plug)
13440	Smart Charger & Datalogging Software c/w 220V Power Supply (Euro Plug)
13340	Smart Charger & Datalogging Software c/w 110V Power Supply (USA Plug)
12890	Smart Charger & Datalogging Software c/w 220V Power Supply (Australian Plug)
99556	FlexiCal Plus
13427	Plastic Probe - 35 cm Open End
12393	Plastic Probe - 80 cm Solid End

Accessories (Oxygas P-500 only)

13561	Probe Handle
13562	Probe Handle Adaptor Assembly (use with 13561)
42184	In-line Dust Filter Assembly (use with 13561)
42183	In-line Water Filter Assembly (use with 13561)
13563	Bellows Cup Probe (use with 13561)
12393	Swan Neck Probe c/w Shroud (use with 13561)

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



As an ISO 9001 approved company, Gas Measurement Instruments 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.



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