

GASURVEYOR 500 SERIES



Heath Consultants Incorporated introduces the redesigned Gasurveyor. The Gasurveyor 500 series is the most flexible range of gas detectors available today. By simple selection of hardware and software options, the user can easily configure the product to suit the exact application.

The Gasurveyor 500 series measures flammable gases and vapors, searches PPM, LEL and Volume flammable ranges; measures oxygen and toxic gases. Simple operation, 2 and 4 button models, built-in sampling pump, large LCD with automatic backlighting, audio, visual and fault alarms, data logging and a wide variety of probes makes the Gasurveyor 500 series perfect for any of your gas detection needs. Some standard versions of the Gasurveyor 500 are available; details are available upon request. The Gasurveyor 500 series are highly accurate and reliable instruments in an extremely durable, anti-static case.

The two (2) button Gasurveyor 500 instruments are extremely easy to use and very cost effective for basic applications. The four (4) button instruments have data logging capabilities as well as other advanced alarm features.



Sensors	2 button				4 button													First Responder	
	PPM-500	3-500	6-500	11-500	511	512	521	522	523	524	525	526	531	532	533	534	541		542
0-100% LEL	x	x	x	x	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	x	x	x	x
1-1,000 PPM CH4	x					x		x		x		x		x		x		x	x
PPM Search	x																		
0-25% O ₂				x			x	x					x	x	x	x	x	x	x
0-200 PPM H ₂ S									x	x			x	x			x	x	
0-1,000 PPM CO			x								x	x			x	x	x	x	x
Alarms					x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Data logging					x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Semi-conductor 0-10,000 PPM																			x

GASURVEYOR PART NUMBERS

Model PPM-500:	100228-0	Model 512:	100226-0	Model 525:	100238-0	Model 534:	100224-0
Model 3-500:	100223-2	Model 521:	100231-0	Model 526:	100220-0	Model 541:	100230-0
Model 6-500:	100227-0	Model 522:	100235-0	Model 531:	100239-0	Model 542:	100241-0
Model 11-500:	100232-0	Model 523:	100236-0	Model 532:	100240-0	First Responder:	100220-1
Model 511:	100234-0	Model 524:	100237-0	Model 533:	100229-0		

SPECIFICATIONS

Size:
7.08" (180mm) x 3.74" (95mm) x 4.13" (105mm)

Weight:
3.75 lbs (1.7kg) with alkaline batteries

Display:
LCD containing analog display scale 0-10; 0-100; 0-1,000;
0-10,000
4 digit digital display
3 character range indication
Operational flags

Operating Temperatures:
-4 °F to 122 °F (-20 °C to 50 °C)

Humidity:
0-95% RH Non-Condensing

Ranges	Gas	Resolution
Search	flammable	-
0-1000 PPM	flammable	5 PPM
0-100% LEL	flammable	0.1% (0-9.9%) 1% (10 - 100%)
0 - 100% VOL	flammable	1%
0 - 25%	oxygen	0.1%
0 - 1000 PPM	carbon monoxide	1 PPM
0 - 200 PPM	H ₂ S	+/- 2% full scale

Construction/Protection Rating:
Molded polypropylene case protected to IP54

Sampling System:
Integral pump with flow fail sensor; sample path protected by hydrophobic filter and auto pump switch off.

Power Supply:
4 "D" size Alkaline Cells or Rechargeable Battery Pack optional

Battery Life

- 15 hours with Alkaline
- 8 hours with Rechargeable

Alarms
Highly visible flashing LED
Speaker: In excess of 80 dB(A), typically 85 dB(A)@1m

Default Alarm Settings
LEL - 20 %
CO - 35 PPM
Oxygen - 19% Lo, 23% Hi

Response Time (Typical)
LEL Flammable: 3 secs (t₅₀); 5 secs (t₅₀)
Oxygen: 7 secs (t₅₀)
Toxics: 15 secs (t₅₀)
(t₅₀) = Time required to reach 50% of full value.

Approvals
EEx iad IIC T4
UL Class 1 Groups A, B, C and D

Standards:
EN50014 / EN50018 / EN50020 / UL 913

ACCESSORIES

Description	Part No.
Simple Low Cost Charger (110V) with power supply	22113844
Smart Charger (110V) with data logging software	22113340
Probes	Part No.
Heath Gasurveyor Probe	104470
Flue Analysis Probe for CO (15")	22167179
Survey Bellows Probe	100014-0
Lexan Probe (36")	22212690
Bar Hole Probes (27.5") (15")	22212393 22212480
Flexible Semi-Conductor Probe	100597-0
Flexible Probe	100539-0



Heath Consultants Incorporated operates under a continual product improvement program and reserves the right to make improvements and/or changes without prior notification.



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