



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.



Gasurveyor Models

Sensors	2 button					4 button													
	PPM-500	3-500	6-500	11-500	511	512	521	522	523	524	525	526	531	532	533	534	541	542	First Responder
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
PPM Search	x																		
0-25% O ₂				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 511: 100234-0	Model 523: 100236-0	Model 531: 100239-0	Model 541: 100230-0
Model 3-500: 100223-2	Model 512: 100226-0	Model 524: 100237-0	Model 532: 100240-0	Model 542: 100241-0
Model 6-500: 100227-0	Model 521: 100231-0	Model 525: 100238-0	Model 533: 100229-0	First Responder: 100220-1
Model 11-500: 100232-0	Model 522: 100235-0	Model 526: 100220-0	Model 534: 100224-0	

For rechargeable model, add "R" to end of part number.

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 22113322

Smart Charger (110V) with data logging software 22113340

Probes

Part No.

Flue Analysis Probe (15") 8300150

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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