

Oxygen and Toxic Gas Monitors/Alarms

- For O₂, CO, H₂S, SO₂, NO_x, or NO₂
- Pocket-sized and lightweight
- Audible and visible alarms
- Powered by a single 9-volt battery
- Wide concentration range



VICI Metronics offers the complete GC Industries line of small, portable monitors/alarms for the detection of O₂ or specific toxic gases. GCI electrochemical sensors provide maintenance-

free operation, long operating life, selectivity, and easy field replacement. The monitors' small size, light weight, and battery operation make them the ideal personal monitors for field use.

Oxygen Monitors/Alarms

Specifications

Range

GC-501, 502 0-25%

GC-501X, 502X 0-100%

Display LCD, 0.1% increments

Accuracy ± 2% full scale

Calibration Single point in air at 20.9%

Case material High impact polystyrene

Case dimensions 5.25" x 2.5" x 1.25"

Weight 225 grams

Recorder output 10 millivolts / % O₂

Alarm (low oxygen) Audible and visible at 19.5%

Temp limits 0 to 45°C

Power source One 9V alkaline battery

Battery life, continuous 2000 hours, with no alarm

Low battery indicator LCD 'B' Display

Response time 90% in < 20 seconds

Sensor mounting

GC-501, 501X Internal (optional external cable)

GC-502, 502X External, via coiled cable

Sensor life Warranted: 6 months

Expected: 12 months

Ordering information

Oxygen monitors are available in a choice of two ranges, with either external or internal sensors. The monitors below include a sensor, instruction booklet, recorder plug, and screw driver.

Specifications	Model	Spare sensor	Remote cable	Vinyl case
0-25% range, internal sensor	GC-501	GC33-200	GC501-RC	GC501-505
0-100% range, internal sensor	GC-501X	GC33-250	GC501-RC	GC501-505
0-25% range, external sensor	GC-502	GC33-475	GC502-RC (included)	GC501-505
0-100% range, external sensor	GC-502X	GC33-445	GC502-RC (included)	GC501-505

Toxic Gas Monitors/Alarms

Specifications

Range		Case material	High impact polystyrene
H ₂ S, SO ₂ , NO ₂	0-100 ppm	Case dimensions	5.25" x 2.5" x 1.25"
CO, NO _x	0 - 1,999 ppm	Weight	250 grams
Alarm (high)		Recorder output	Not provided
H ₂ S, SO ₂ , NO ₂	Audible and visible at 100 ppm	Temp limits.....	0 to 40°C
CO, NO _x	Audible and visible at 200 ppm	Power source	One 9V alkaline battery
Display	LCD, 1 ppm increments	Battery life, continous.....	1500 hours, with no alarm
Linearity	± 2 ppm	Low battery indicator	LCD 'B' Display
Accuracy	± 10 ppm full range	Response time	90% in < 20 seconds
	± 5 ppm if used up to 100 ppm maximum	Sensor mounting.....	Internal (optional external cable)
Calibration.....	Two point required:	Sensor life	Warranted: 6 months
	ZERO adjust with clean air or N ₂ ;		Expected: 9 months
	SPAN adjust with ~50% full scale calibration gas		

Ordering information

All monitors below include a sensor, instruction booklet, screw driver, and span gas flow cup and tubing.

<i>For detection of</i>	<i>Model</i>	<i>Spare sensor</i>	<i>Remote cable</i>	<i>Vinyl case</i>
CO	GC-401	GC44-300	GC401-RC	GC501-505
H ₂ S	GC-701	GC44-700	GC401-RC	GC501-505
SO ₂	GC-801	GC44-800	GC401-RC	GC501-505
NO _x	GC-901	GC44-900	GC401-RC	GC501-505
NO ₂	GC-952	GC44-500	GC401-RC	GC501-505

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