

GOW-MAC Gas Leak Detectors

Help you find leaks quickly – without risk of contaminating your GC system. Using liquids to detect gas leaks can be poor economy, especially in a capillary GC system. Even a small amount of liquid leak detector that seeps into a fitting, or through the septum, can damage your column or create baseline noise. GOW-MAC gas leak detectors easily and quickly pinpoint gas leaks too small to detect with soap solution.

GOW-MAC gas leak detectors operate on the same principle as thermal conductivity detector – they respond to any gas mixture that has a thermal conductivity value different from that of air. With an intrinsically high signal-to-noise ratio, amplification provides maximum usable sensitivity: helium leaks of 1.0×10^{-4} cc/sec and refrigerant leaks of 1.0×10^{-4} cc/sec are easily detected.

Easy to Operate GOW-MAC gas leak detectors can be operated with little or no training. Turn on, adjust the zero and probe for leaks. The probe is designed to reach difficult and confined locations. A HIGH/LOW switch permits you to control sensitivity for very small leaks.

Deluxe and miniature models are available. Both models include rechargeable batteries and two sensitivity ranges.

Deluxe Detector: Model 21-250 -The Deluxe Model is a sturdy addition to your lab. Free your hands to work the probe and still have easy reference to the control panel by shifting the carrying handle to a stand position. An audible tone alerts you when the probe passes over a gas leak.

Miniature Detector: Model 21-050

The Mini Model is the smallest detector of its kind, offering all of the accuracy of the larger GOW-MAC model in a convenient, lightweight instrument. Visual LED bar graph shows you when the probe passes over a leak.

Both models have a 1-year warranty from GOW-MAC.



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SPECIFICATIONS: DELUXE DETECTOR

Output:	Audio. Frequency changes with concentration; adjustable threshold and speaker volume.
Range:	High: x1; Low: x100
Dimensions:	10 3/4 x 8 1/4 x 3 5/8" (27 x 21 x 9cm) (excluding handle)
Weight:	9lb/4.1kg (shipping wt. : 12lb/5.4kg)
Power:	Rechargeable lead/acid gel battery, 8V, selectable 110/220VAC, 50/60 Hz

SPECIFICATIONS: MINIATURE DETECTOR

Output:	Visual LED bar graph alerts you to leaks
Range:	High: x1; Low: x100
Dimensions:	3 1/4 x 1 13/16 x 5 1/4" (8 x 4.5 x 13cm)
Weight:	465g without charger
Line Voltage:	Rechargeable Ni-Cd battery, 7.2V/800mA/hr; recharger included: 110VAC/60Hz or 220VAC/50Hz

SENSITIVITY OF GOW-MAC LEAK DETECTORS

Gas	cc/sec	feet ³ /year
Argon	1.0×10^{-4}	0.110
CO ₂	1.1×10^{-4}	0.123
Fluorocarbons	1.1×10^{-4}	0.123
Helium	1.0×10^{-5}	0.012
H ₂ /He (40:60)	1.0×10^{-5}	0.012
Refrigerants	1.0×10^{-4}	0.123

DESCRIPTION	CAT. NO.	PRICE
GOW-MAC Gas Leak Detectors		
Deluxe Model 21-250 ¹	22409	
Mini Detector: Model 21-050		
with 110VAC/60Hz recharger	22807	
with 220VAC/50Hz recharger ²	22808	
Carrying Case for Mini Detector	22809	

¹ Does not have a CE mark.

² CE approved.

NOTE: These GOW-MAC gas leak detectors are not intended for determining leaks of combustible gases. They are intended for nonspecific applications, to determine low level leaks of gases with thermal conductivity different from that of air. We recommend a combustible gas detector for monitoring combustible gases in possibly hazardous situations.