

GC ACCESSORIES

GOW-MAC Mini

GAS LEAK DETECTOR

- Compact, portable, hand-held design
- Detects helium, argon, CO₂ and other gas mixtures by thermal conductivity
- Pen-type probe permits easy access to confined locations
- Push button auto-zero function
- Rechargeable battery or line-operated

This extremely small and completely portable instrument easily and quickly pinpoints GC system gas leaks. Utilizing a thermal conductivity detector with signal amplification, the instrument is zeroed in ambient air and then responds to any gas mixture with a thermal conductivity greater than air. Highly sensitive, this instrument has an intrinsically high signal-to-noise ratio, and can detect various gases as follows:

Minimum leak rate required to produce 10% deflection of full scale:

Gas	Leak Rate (cc/sec)
Helium	1.0×10^{-5}
Argon	1.0×10^{-4}
CO ₂	1.1×10^{-4}
Refrigerant	1.1×10^{-4}
40% H ₂ /60% He	1.0×10^{-5}

The unit can be operated with little or no training. Turn it on, zero, then probe for leaks. As the instrument probe passes over a leak, the sample is drawn into the thermal conductivity cell by a diaphragm pump and the leak is registered on an easy-to-read LED bar graph. There are no messy soap solutions to contaminate your system. "Sniff" in the most difficult-to-reach, confined spaces with the convenient pen probe. High/low switch controls the instrument's sensitivity level for very large or very small leaks.

Use the rechargeable battery operation for portability (3.5-hour life) or plug it in. Extremely small for convenient use anywhere (3¹/₄"W x 1¹³/₁₆"H x 5¹/₄" inches L). Protective carrying case is available separately.

Laboratory Applications

Gas Chromatographs
Gas Purifier Connections
Injection Port/Septa
Regulator Diaphragms
Packed Columns
Purge and Traps Systems
Cylinder Connections
Capillary Columns
Mass Spectrometers
Mass Flow Controllers
Hot/Cold Column Fittings
Inlet Tube Fittings

ORDERING INFORMATION

Mini Gas Leak Detector			
Order No.	Description	Unit	Price
EGO-4807	Gow-Mac, model 21-050, 115VAC	ea	
EGO-4808	Gow-Mac, model 21-052, 230VAC	ea	

