

# Model 21-070 Mini Gas Leak Detector

The model 21-070 gas leak detector easily and quickly pinpoints gas leaks emitting from pressurized systems. Using a thermal conductivity detector with signal amplification, the instrument is zeroed in ambient air and responds to any gas mixture with a thermal conductivity different from that of air. The instrument is highly sensitive, having an intrinsically high signal to noise ratio with amplification that provides a maximum usable sensitivity.\*

The model 21-070 can be operated with little or no training. Turn it on, zero, probe for leaks; it's that simple. As the instrument probe passes over the leak, a sample is drawn into the conductivity cell. When a leak is discovered a signal is registered on the LED bar graph. No messy soap solutions, no system contamination.

The model 21-070 features microprocessor control with computer interfacing (optional), as well as flash memory for saving various settings, i.e., alarm mode, alarm setpoint, alarm volume, peak hold delay, LED brightness, sensitivity, and pump speed.



## \*Sensitivity

Helium	1.0 x 10 <sup>-5</sup> cc/sec
Argon	1.0 x 10 <sup>-4</sup> cc/sec
CO <sub>2</sub>	1.0 x 10 <sup>-4</sup> cc/sec
Refrigerant	1.0 x 10 <sup>-4</sup> cc/sec

## 21-070 Specifications

Detector	<ul style="list-style-type: none"> <li>Thermal Conductivity w/Thermistors</li> </ul>
Readout	<ul style="list-style-type: none"> <li>LED Bar Graph with Adjustable Brightness</li> <li>Peak Hold with Settable Duration</li> </ul>
Line Voltage	115 V, 60 Hz
Battery	<ul style="list-style-type: none"> <li>Rechargeable Ni-Cd, 7.36 V/800 mAh</li> </ul>
Battery Life	<ul style="list-style-type: none"> <li>7-8 hrs; May Be Recharged to 95% in 1 hr.</li> <li>Low Battery Indicator</li> </ul>
Dimensions	3.25"W x 1.81"H x 5.25"L
Weight	<ul style="list-style-type: none"> <li>Instrument 1.05 lbs (0.5 kg)</li> <li>Charger 0.61 lbs (0.3 kg)</li> </ul>

## Laboratory Applications

- Gas Chromatographs
- Purge and Trap Systems
- Injection Ports/Septa
- Column and Detector Fittings
- Gas Purifiers and Traps
- Mass Flow Controllers
- Cylinder Connections
- Tube Fittings

## Industrial Applications

- Testing and Quality Control
- Valves and Manifolds
- Welds, Seams, Joints
- Pressure Regulators
- Compression Fittings
- High Pressure Vessels
- High Pressure Gas Lines
- Refrigeration and Air Conditioning

## How to Order:

Model Number	Description
21-070	Mini gas leak detector
59-050	Carrying case