

# Multi-Gas Leak Locator

MGD-2002



Leak detection made easy is the premise behind the Dielectric MGD-2002 Multi-gas Detector. Leaks in most pressurized systems can be located with pinpoint accuracy through the use of common tracer gases such as Helium or a Hydrogen/Nitrogen mix.

Whether you're identifying leaks in underground tanks, pipes, cables or tracing a leak in almost any pressurized system, the MGD-2002 has the sensitivity you'll need to locate the leak accurately and efficiently. The MGD-2002 performs equally well with either a Helium or a Hydrogen\*/Nitrogen mix tracer gas.

Helium is non-polluting, non-reacting and safe to use, making it the ideal tracer gas when applied to critical systems. In addition, the sensitivity of the MGD allows Helium to be mixed with ambient air in large volume systems further reducing the cost of use.

The MGD-2002 is equipped with a rechargeable Ni-MH battery pack that provides over 8 hours of use per charge. In addition, the Multi-Gas Detector can be recharged with the AC or car adaptors included in the kit.

With only a 30 second Power-On Self-Test the Multi- Gas Detector is ready to go when you are!

# MGD-2002 Multi-Gas Leak Locator

## Highlights

Pinpoint accuracy with sensitivity from 25ppm up to 100% concentration  
Operates in automatic (survey) mode or manual mode  
Utilizes either Helium or Hydrogen\*/Nitrogen mix as a tracer gas  
Field replaceable moisture removing cartridge in wand  
Lightweight, telescoping ground probe with boot  
Rapid charging Ni-MH battery with AC and car adaptors

## Leak Locating Applications

### **Industrial:**

Industrial Air/Gas/Liquid Piping Systems  
Welds, Joints, Seams, Gaskets  
Aircraft Oxygen Systems  
Electronics Chip Doping  
Medical Device Testing  
Refrigeration System

### **Contractor:**

Environmental testing  
Soils Gas Vapor test  
Under Slab or Buried Piping Systems  
Secondary Containment Systems  
Buried Water Services  
Radiant Heat Flooring

### **Telecom:**

Direct Buried Telephone Cables  
Underground Ducted Cables  
Air Pipe Systems  
Splice Cases

### **Municipalities:**

Municipal Water Systems

## Features

Tactile Membrane Keypad  
Backlit LCD Display  
Moisture Indicator in Wand  
Field Replaceable Battery  
Headphone Jack for Audible Monitoring  
Time-lapse Bar Graph Display  
Serial Port Output (optional)

## Ordering Information

<b>Part Number</b>	<b>Description</b>
83219	MGD-2002 Multi-Gas Detector Complete Leak Locating Kit with Case
83220	Replacement Moisture Trap Cartridge
82492	Spare Battery
882-0007	Headphones (Not Contained in Kit)

\* Dielectric recommends Helium as a tracer gas since the molecular size of Helium is not significantly larger than that of the diatomic Hydrogen molecule and Helium does not react with any other substances. However, if Hydrogen is to be used as the tracer gas, a ready-made Hydrogen dilution that is well below the OSHA approved LEL (flammability) limit MUST be used.

## Specialists in Cable Pressurization

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