



**Radiodetection**  
Dielectric Technologies  
AN SPX BRAND

## Model MGD-2002 Multi-Gas Leak Locator

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

Proven successes have been demonstrated for many disciplines such as Telecom's, Municipalities, Building Contractors, Plumbers, HVAC Technicians, Tank Inspectors and many more.

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 accurately and efficiently locate the leak. The MGD-2002 performs equally well with either Helium or Hydrogen\* used as a 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.

Convenient and easy to use, the MGD-2002 is designed for one-handed operation of all functions. Equipped with a tactile membrane keypad, all selections are easily confirmed with a distinctive "click" and the backlit display can be viewed in all light conditions. The MGD-2002 is supplied with a built-in headphone jack for use with the audio indicator.

The MGD-2002 is equipped with a rechargeable Ni-MH battery pack that provides over 8 hours of use per charge. Operating life can be further extended with an additional battery, available as an accessory, that can be installed in seconds. 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!

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# Model MGD-2002

## Multi-Gas Leak Locator

### Highlights

- Pinpoint accuracy with sensitivity from 25 PPM up to 100% concentration
- Operates in automatic (survey) mode or manual mode
- Utilizes either Helium or Hydrogen\* 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

#### Contractors:

- 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

Part No.	Description
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)

### Warranty

Radiodetection warrants that this product shall be free from defects in workmanship and materials for one year. For details please see our warranty statement.

\* 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 Leak Locating

## World leaders



Radiodetection is a proud member of the SPX group of companies, which provide technical products and service solutions worldwide.

Radiodetection and its associated companies specialize in the design and manufacture of products for the location and maintenance of underground pipes and cables. Our aim is to be viewed as the supplier of choice of 'high performance' quality equipment using advanced product technologies. We are also committed to both design innovation and customer support.

## Technical support



Radiodetection equipment users have easy access to technical support. A call to your regional representative, or the Radiodetection head office, will put you in contact with our team of field-experienced technical experts.

## Servicing and repair



Radiodetection has a team of factory-trained service technicians and dedicated service facilities. Turnaround is fast, and costs are very competitive.

## Training



Product training for your operators and training personnel is available on your site, or at Radiodetection's headquarters. Training is with qualified instructors and each trainee receives a certificate to confirm they have received the training.

### America

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To see the full range of products and services provided by Radiodetection visit:

[www.radiodetection.com](http://www.radiodetection.com)

Radiodetection products are under continuous development and are subject to change, we reserve the right to alter or amend any published specification without notice.

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