

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

Part Number	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)

* 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

Radiodetection (USA) 28 Tower Road, Raymond, Maine 04071, USA
Tel: +1 (207) 655 8525 Toll Free: +1 (877) 247 3797 Fax: +1 (207) 655 8535 rd.sales.us@spx.com www.radiodetection.com

Radiodetection Ltd. (UK) Western Drive, Bristol BS14 0AF, UK
Tel: +44 (0) 117 976 7776 Fax: +44 (0) 117 976 7775 rd.sales.uk@spx.com www.radiodetection.com

© 2017 Radiodetection Ltd. All rights reserved. Radiodetection is a subsidiary of SPX Corporation. Dielectric is a trademark of Radiodetection in the United States and/or other countries. Due to a policy of continued development, we reserve the right to alter or amend any published specification without notice. This document may not be copied, reproduced, transmitted, modified or used, in whole or in part, without the prior written consent of Radiodetection Ltd.