



 **Where Ideas Meet Industry**



**Radiodetection**  
Dielectric Technologies  
AN SPX BRAND

## Model 1805

### Multisonic Leak Detector



The Dielectric Model 1805 Multisonic Detector pinpoints leaks in pressurized cable systems by converting both sonic and ultrasonic sounds into visual and audible signals. Designed to span the range of frequencies from 100 Hz to 100 KHz, the Model 1805 quickly detects both large and small pressure leaks. Unique circuitry enhances leak sounds while diminishing unwanted background noises. A sensitive meter responds to low signal levels cueing the user to listen for difficult to detect leaks.

Weighing just three pounds, the Model 1805 is easy-to-use, portable and rugged. The Model 1805 is used with the Model 1801 or Model 1802 Duct Probes to locate underground pressure leaks, or with a Dielectric Parabolic Reflector to isolate aerial leaks. With the standard hand probe, the Model 1805 quickly pinpoints leaks in manholes, central offices, and other readily accessible locations.

# Model 1805

## Multisonic Leak Detector



### Features

- Highly sensitive; broadband frequency response helps detect leaks that might be missed with “ultrasonic only” units
- Built in speaker and large, easy-to-read meter simplify use
- Complete kit includes hand probe and headphones in a padded carrying bag
- Rugged, impact resistant case makes this an ideal field unit

### Applications

- Underground and aerial pressurized cables
- Splice cases
- Cable plugs
- Central Office Panels
- Industrial Leak Locating

### Specifications

Frequency Response: 100 Hz to 100 KHz

Input: Standard Headphone Jack (Weatherproof)

Output: Speaker 3 Inch (7.6 cm); Meter 0–100 Logging Scale;  
Phone Jack for Headset

Operating Temperature Range: 0° F (–18° C) to 130° F (55° C)

Power Source: Standard 9 Volt DC Battery

Net Weight: 3 pounds (1.35 kg)

### Accessories

- Model 1801 Underground Duct Probe is used with the Model 1805 to probe for leaks in pressurized underground cables. The Model 1801 is 525 feet (162 m) long and 1/2 inch (12.7 mm) in diameter on a self-dispensing horizontal steel reel.
- Model 1802 Mini Duct Probe is similar to the Model 1801 except the rod is 300 feet (92 m) long and 3/8 inch (9 mm) in diameter on a vertical assembly with wheels.
- Model 1805-00526 Parabolic Reflector uses the standard hand probe to concentrate weak signals from pressurized aerial cable leaks.
- Model 1807 Aerial Search Wand is used with the Model 1805 to pinpoint leaks in difficult to reach aerial applications. The Model 1807 includes a “fiber optic link” for protection from

### Ordering Information

Model 1805 Multisonic Detector includes the following components:

Hand-Held Probe  
Headphone Set  
Shoulder Strap

Instruction Manual  
Padded Carrying Case  
Parabolic Reflector  
(sold separately)



### Warranty

Radiodetection warrants that its products shall be free from defects in workmanship and materials for one year (excluding battery). For details please see our warranty statement.

All specifications and descriptions are subject to change without notice

# Specialists in Cable Pressurization

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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## 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

#### **Radiodetection**

154 Portland Road  
Bridgton, ME 04009, USA  
Tel: +1 (207) 647 9495  
Toll Free: +1 (877) 247 3797  
Fax: +1 (207) 647 9496  
Email: [rd.sales.us@spx.com](mailto:rd.sales.us@spx.com)  
Web: [www.radiodetection.com](http://www.radiodetection.com)

#### **Pearpoint**

72055 Corporate Way  
Thousand Palms CA 92276, USA  
Tel: +1 800 688 8094  
Tel: +1 760 343 7350  
Fax: +1 760 343 7351  
Email: [pearpoint.sales.us@spx.com](mailto:pearpoint.sales.us@spx.com)  
Web: [www.radiodetection.com](http://www.radiodetection.com)

#### **Radiodetection (Canada)**

344 Edgeley Boulevard, Unit 34  
Concord, Ontario L4K 4B7, Canada  
Tel: +1 (905) 660 9995  
Toll Free: +1 (800) 665 7953  
Fax: +1 (905) 660 9579  
Email: [rd.sales.ca@spx.com](mailto:rd.sales.ca@spx.com)  
Web: [www.radiodetection.com](http://www.radiodetection.com)

### Europe

#### **Radiodetection Ltd (UK)**

Western Drive  
Bristol BS14 0AF, UK  
Tel: +44 (0) 117 976 7776  
Fax: +44 (0) 117 976 7775  
Email: [rd.sales.uk@spx.com](mailto:rd.sales.uk@spx.com)  
Web: [www.radiodetection.com](http://www.radiodetection.com)

#### **Radiodetection (France)**

13 Grande Rue, 76220  
Neuf Marché, France  
Tel: +33 (0) 232 8993 60  
Fax: +33 (0) 235 9095 58  
Email: [rd.sales.fr@spx.com](mailto:rd.sales.fr@spx.com)  
Web: <http://fr.radiodetection.com>

#### **Radiodetection (Benelux)**

Industriestraat 11  
7041 GD 's-Heerenberg, Netherlands  
Tel: +31 (0) 314 66 47 00  
Fax: +31 (0) 314 66 41 30  
Email: [rd.sales.nl@spx.com](mailto:rd.sales.nl@spx.com)  
Web: <http://nl.radiodetection.com>

#### **Radiodetection (Germany)**

Groendahlscher Weg 118  
46446 Emmerich am Rhein, Germany  
Tel: +49 (0) 28 51 92 37 20  
Fax: +49 (0) 28 51 92 37 520  
Email: [rd.sales.de@spx.com](mailto:rd.sales.de@spx.com)  
Web: <http://de.radiodetection.com>

### Asia-Pacific

#### **Radiodetection (Asia-Pacific)**

Room 708, CC Wu Building  
302-308 Hennessy Road, Wan Chai  
Hong Kong SAR, China  
Tel: +852 2110 8160  
Fax: +852 2110 9681  
Email: [rd.sales.cn@spx.com](mailto:rd.sales.cn@spx.com)  
Web: [www.radiodetection.com](http://www.radiodetection.com)

#### **Radiodetection (China)**

Hongfu Mansion, Room 61622  
Zheng Ge Zhuang, Bei Qi Jia Town  
Chang Ping District  
Beijing 102209, China  
Tel: +86 (0) 10 8975 5540  
Fax: +86 (0) 10 8975 5640  
Email: [rd.service.cn@spx.com](mailto:rd.service.cn@spx.com)  
Web: <http://cn.radiodetection.com>

#### **Radiodetection (Australia)**

Unit 14, 5-7 Prosperity Parade  
Warriewood NSW 2102, Australia  
Tel: +61 (0) 2 9979 8555  
Fax: +61 (0) 2 9979 7733  
Email: [rd.sales.au@spx.com](mailto:rd.sales.au@spx.com)  
Web: [www.radiodetection.com](http://www.radiodetection.com)

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

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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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**Radiodetection**  
AN SPX COMPANY



Global Headquarters  
13515 Ballantyne Corporate Place  
Charlotte, North Carolina 28277  
United States

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