

**RD4000PL**



# **Advanced Power Industry Cable line Locate and Fault Find**



**Radiodetection**

## Precision locator

Locate and pinpoint buried power and other utilities easily and repeatedly.

## Highest performance

Fast dynamic response and excellent signal selectivity, locates buried services even in congested areas.

## Ease of use

Ergonomic interface, large clear display, positive keypad and depth measurement.

## Fault finding

Identify sheath faults in a buried cable, even if a problem has not yet arisen.

# RD4000PL

## Power Industry – advanced locating and fault-finding

The RD4000PL cable and pipe locator has been introduced to meet the demand for an advanced locator dedicated to the power industry. Radiodetection's RD4000 is widely seen as the industry standard, whether locating utilities and marking for construction, mapping or fault finding. The RD4000 series is the product against which all others are measured.

As a power industry professional you demand the best tools to do your job. The RD4000PL delivers precision location of power infrastructure with the highest level of performance, even in crowded and electrically noisy environments. The RD4000PL is a sophisticated and powerful instrument and yet the combination of Transmitter and Receiver are easy to use. Sensitivity and signal to noise performance are unmatched in the field of cable and pipe location. Increased precision delivers location of difficult services with improved information and repeatability. Increased accuracy leads to increased confidence at reduced risk.

With a large, clear display and simple user interface plus 'Real' sound, the RD4000PL makes location of buried power cables swift and repeatable. And we recognize that you not only want to locate power services but also mark to avoid, and map, other utilities in the area. Faster locates and precision pinpointing saves time enabling more locates per day and makes the operator's job easier.

The fault finding capabilities of the RD4000PL can locate and identify cable to sheath faults even before they have caused a problem. Infrastructure faults can be remedied more quickly, saving money and improving customer satisfaction.

At the heart of the RD4000PL is an advanced, powerful digital measurement and processing engine. Patented signal processing algorithms provide dramatic and reliable performance.

### Power utility precision cable & pipe locator

- Reliable, repeatable locate for mark-to-dig or detailed mapping.
- Multiple frequencies to optimize locate of other utilities in the area.
- Fast, positive response for optimum location performance; peak and null modes.
- Signal discrimination to enable location in close proximity to sub-stations and other high-energy lines.
- Active depth measurement and optional depth on Power.

### High performance Receiver

- Highest performance digital Receiver performs in noisy environments.
- Fast, clear, positive response even in congested areas.
- Position and depth indications.
- Current measurement to identify the correct utility in close proximity to others.
- Real Sound; audible perception of locating dynamics.
- Stethoscope enables individual cable pairs to be traced and identified.

### Robust, reliable and easy to use

- Large clear LCD display.
- Ergonomic, simple keypad.
- Self-test function.
- Extended warranty.

### Find faults in buried cables

- Fault finding and cable and pipe integrity measurement.

## SIMPLE TO USE

5 key interface for minimum training and ease of use

**AUTO BACKLIGHT**  
For low light operation

## HIGH RESOLUTION

Signal strength meter for pin-point precision

## 'REAL'

Non-synthesized sound, giving more information about the utility being located

**CHOICE OF BATTERIES**  
Dry cells or rechargeable options

## MULTI-SIGNAL RESPONSE

Peak and null, left and right

## WEATHER SEALED

Earphone and accessory ports

## ENGINEERED PLASTICS

Ergonomic, robust and all weather housing

### RECEIVERS

#### RD4000PL – Power utility locate

- Power, Radio & multiple active frequencies
- Highest locate performance with multi-frequency
- High overload protection enables use close to higher intensity fields – e.g. in power stations
- 8kHz fault find
- Location accessories
- Current display
- Auto or manual depth
- Optional depth on Power signals



## Multiple modes

Passive Power, Radio and multiple active frequencies enable multi-utility location.

## High Power Transmitter

Helps with locating difficult and deep cables and pipes.

## Fault Find Signal

A-Frame allows identification of even high impedance ground faults.

## Peak & null display

Fast, positive response for optimum, pinpoint location.

## T3F Transmitter Shown

LED DISPLAY

EFFICIENT INDUCTION

EXTERNAL 12V D.C. SUPPLY

Direct connection output protected against inadvertent connection to AC voltages up to 250v

### TRANSMITTERS

#### RD4000 T3F

- 8kHz fault find codes
- Cost effective 3 watt transmitter
- 3 Locate frequencies
- 1 Induction frequency
- $\pm 80v$  rms o/p voltage
- S/C protected
- Protected against inadvertent connection to 250v

- Rechargeable option and external 12v DC supply available
- Various clamp and connectors available as accessories

### OPTIONAL

#### RD4000 T10

- 10 watts output power
- Multi-meter functions for checking cable/pipe integrity
- Up to 16 locate frequencies
- 2 Induction frequencies
- Fault find signals
- Current direction signals
- Web-enabled
- FREE Downloads
- Protected against inadvertent connection to 250v

- Rechargeable option and external 12v DC supply available
- Various clamp and connectors available as accessories

ERGONOMIC ROBUST CASE





## 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 accredited to ISO 9000. Turnaround is fast, and costs are very competitive. All repairs carry a six month warranty.

## 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: [bridgton@radiodetection.spx.com](mailto:bridgton@radiodetection.spx.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@radiodetection.spx.com](mailto:pearpoint@radiodetection.spx.com)

#### Radiodetection (Canada)

Unit 34, 344 Edgeley Blvd.  
Concord, Ontario, Canada L4K 4B7  
Tel: +1 (905) 660 9995  
Toll Free: +1 (800) 665 7953  
Fax: +1 (905) 660 9579  
Email: [support@radiodetection.ca](mailto:support@radiodetection.ca)

### Europe

#### Radiodetection (UK)

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

#### Radiodetection (France)

13 Grande Rue, 76220  
Neuf Marché, France  
Tel: +33 (0) 232 8993 60  
Fax: +33 (0) 235 9095 58  
Email: [infos@radiodetection.com](mailto:infos@radiodetection.com)

#### Radiodetection (Benelux)

Industriestraat 11, NL 7041  
GD's-Heerenberg, Netherlands  
Tel: +31 (0) 314 66 47 00  
Fax: +31 (0) 314 66 41 30  
Email: [info@radiodetection.nl](mailto:info@radiodetection.nl)

#### Radiodetection (Germany)

Groendahlscher Weg 118  
D-46446 Emmerich am Rhein, Germany  
Tel: +49 (0) 28 51 92 37 20  
Fax: +49 (0) 28 51 92 37 520  
E-Mail: [info@radiodetection.de](mailto:info@radiodetection.de)

### 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: [chinasales@radiodetection.spx.com](mailto:chinasales@radiodetection.spx.com)

#### Radiodetection (China)

Hong Fu Group Office Building Room 322-326  
Bei Qi Jia Township, Changping District  
Beijing 102209, China  
Tel: +86 (0) 10 8975 5540  
Fax: +86 (0) 10 8975 5640  
Email: [china.service@radiodetection.spx.com](mailto:china.service@radiodetection.spx.com)

#### Radiodetection (Australia)

**Mactek Pty. Ltd**  
Unit 14, 5-7 Prosperity Parade  
Warriewood NSW 2102, Australia  
Tel: +61 (0) 2 9979 8555  
Fax: +61 (0) 2 9979 7733  
Email: [mactek@mactek.com.au](mailto:mactek@mactek.com.au)

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.  
Copyright 2007 Radiodetection Limited. All rights reserved. Radiodetection Ltd. is a subsidiary of SPX Corporation.



# Radiodetection