

Precision marker locator range

RADIODETECTION'S RANGE OF PRECISION PIPE, CABLE AND RF MARKER LOCATORS



ERGONOMIC DESIGN

Light weight (5lbs/ 2.3kg), with high contrast LCD display providing clear information in any light.



EXTENDED WARRANTY

Warranty can be extended to a total of 3 years by registering the equipment. Registration is free and provides access to software upgrades and other online features.

DYNAMIC OVERLOAD PROTECTION

Automatically filters out interference, allowing use in electrically noisy environments.

SURVEYCERT™

Share locate data with PC or PDA applications for reporting, audit and analysis.

RD Marker Locators – fast, accurate and reliable

Radiodetection's new range of precision locators builds on the high-performance and ergonomics of the RD7000®+ and RD8000® platforms and is aimed at locate professionals and utility companies who need to detect utility RF markers (also known as EMS or Omni-marker) alongside buried infrastructure.

Featuring TruDepth™, Radiodetection's unique automatic depth measurement system, and combined utility and marker locating mode, the marker locator range delivers faster and more accurate surveys.

Interfacing to maps and GIS systems is simpler thanks to internal GPS capabilities and convenient Bluetooth® and USB connectivity. The built-in GPS option, allows to conveniently add positional data to survey measurements without the need to carry additional equipment. All locators feature Bluetooth to allow automatic measurements transfer to external device. RD8000 models offer easy retrieval of saved measurements via USB and export into common file formats such as KML for Google Earth.

Monitoring usage, improving best practice and providing proof of work is delivered by the automatic data logging on selected models. Every second key locator parameters are saved into the unit's non removable internal memory for later retrieval and analysis using the convenient and reliable USB connection and RD Manager™, the PC companion of the marker locator range. GPS models will also add the benefit of proving survey locations.

Main Benefits:

- Detect all commonly used RF utilities markers with automatic depth estimation for faster and accurate surveys
- Combined mode to scan simultaneously for cables, pipes and RF markers reducing surveying time
- Simultaneous depth and current readings, enabling faster surveys (RD8000 models)
- Bluetooth connectivity as standard to interface to external devices and GIS systems
- Integrated GPS option provides an easy interface to mapping databases and survey validation (RD8000 models)



- High contrast screen and weatherproof (IP54) construction for operation in almost any environment
- Light weight (less than 5lbs / 2.3kg including batteries) and ergonomic design allow prolonged usage
- Screen and operations common to Radiodetection's Precision Locators minimizing changes in working practice and re-training needs
- Compatibility with existing RD7000+ and RD8000 accessories and transmitters† simplifies introduction
- Integral logging system records significant locate parameters every second (including positional data for GPS models) storing up to 1 year of typical usage data
- USB connectivity to quickly retrieve internal logs or to perform setup, validate or upgrade operations using the RD Manager™ PC software
- Built-in Li-Ion rechargeable batteries as standard, for extended battery life and cost effective operation

†Some PTL frequencies requires the use of a Tx-10B transmitter.

REMOTE CALIBRATION

Confirm correct operation and calibration in the field.



COMPASS

Visually follow the target cable or pipe orientation with the dynamic line indicator.



8K FAULT FINDING

Locate cable sheath faults to within 4" (10cm) using Radiodetection's A-Frame accessory.

TECHNICAL SPECIFICATIONS FOR LOCATOR AND TRANSMITTER	
Features are model dependent	
Sensitivity	5µA at 1 meter (33kHz)
Dynamic range	140dB rms/√Hz
Selectivity	120dB/Hz
Maximum depth ⁽¹⁾	Line: 20' / 6m Sonde: 50' / 15m RF Markers: Near Surface: 2' / 60cm Ball Marker: 4.9' / 1.5m Mid-Range: 5.9' / 1.8m Full Range: 7.9' / 2.4m
Depth accuracy ⁽²⁾	Line: ± 5% tolerance 4" / 0.1m to 10' / 3m Sonde: ± 5% tolerance 4" / 0.1m to 23' / 7m RF Markers: ± 15% ± 2" / 5cm up to the maximum depth
Locate accuracy	± 5% of depth
Horizontal GPS Position Accuracy	3m CEP (Circular Error Probable)
CD Fault-Finding (CDDF)	Up to 13 CD pairs, 220Hz to 1248Hz
Fault-Finding (FF)	Diagnose cable sheath faults from short circuit to 2MΩ using the A-frame
Dynamic overload protection	30dB (automatic)
Batteries	Li-Ion battery pack or 3 x D-cells (LR20)
Battery Life (continuous usage) ⁽³⁾	Li-Ion or Alkaline up to 25 hours
Warranty	12 Month standard, 36 Months upon registration
Compliance	FCC, RSS 310 RoHS, WEEE
Approvals	CE, Bluetooth
Weight	4.6lbs / 2.1kg (including Li-Ion battery pack)
Dimension (H x D x W)	25.5" x 11.3" x 7" / 648 x 286 x 177mm
Construction	Injection Molded ABS Plastic
Ingress Protection	IP54
Operating Temperature	14 to 122°F / -10 to 50°C

⁽¹⁾ In Good Conditions. ⁽²⁾ RD7000+ and RD8000 will locate to greater depths but accuracy may be reduced.

⁽³⁾ At 70°F / 21°C with good quality batteries, transmitter output set to 1W.

Marker Locator Range

**RADIODETECTION'S RANGE OF
PRECISION PIPE, CABLE AND
RF MARKER LOCATORS**



Global Locations

USA

SPX Global Headquarters

13515 Ballantyne Corporate Place
Charlotte, NC 28277, USA
Tel: +1 704 752 4400
www.spx.com

Radiodetection

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

Pearpoint

39-740 Garand Lane, Unit B
Palm Desert, CA 92211, USA
Tel: +1 800 688 8094
Tel: +1 760 343 7350
Fax: +1 760 343 7351
pearpoint.sales.us@spx.com
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
rd.sales.ca@spx.com
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
rd.sales.uk@spx.com
www.radiodetection.com

Radiodetection (France)

13 Grande Rue, 76220, Neuf Marché, France
Tel: +33 (0) 2 32 89 93 60
Fax: +33 (0) 2 35 90 95 58
rd.sales.fr@spx.com
<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
rd.sales.nl@spx.com
<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
rd.sales.de@spx.com
<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
rd.sales.asiapacific@spx.com
www.radiodetection.com

Radiodetection (China)

Room 5-10, Workshop 4
No. 10 Zhenggezhuang Village
Beiqijia Town, Changping District
Beijing 102209, China
Tel: +86 (0) 10 8178 5652
Fax: +86 (0) 10 8178 5662
rd.service.cn@spx.com
<http://cn.radiodetection.com>

Radiodetection (Australia)

Unit H11, 101 Rookwood Road,
Yagoona NSW 2199, Australia
Tel: +61 (0) 2 9707 3222
Fax: +61 (0) 2 9707 3788
rd.sales.au@spx.com
www.radiodetection.com

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