

RD1000™



Portable Ground Penetrating Radar System



Radiodetection
AN SPX COMPANY

Rugged design

Built from durable, weatherproof materials for all-terrain operation.

Powerful underground mapping

DSP based ground penetrating radar that delivers a clear and accurate picture.

Unique Locate Mode

Easily identify the location and depth of buried utilities.

Easy operation

High contrast color LCD and intuitive keypad-driven operation.

Radiodetection's portable GPR system for survey professionals

In the congested landscape of today's increasingly complex utility infrastructure, the technician can be overwhelmed with the multitude of interwoven metallic and non-metallic utilities. Wouldn't it be easier to see what's underground without the cost and disruption of exploratory excavation? Radiodetection is proud to introduce the RD1000™, a truly portable and cost-effective ground penetrating radar (GPR) system that gives cable and pipe surveyors worldwide the ability to see what's underground.

The RD1000™ is an exciting and powerful addition to the utility surveyor's toolkit. Using radar technology, the RD1000™ displays an image map of underground features. With the RD1000™, the technician can see a pipe or cable in its topographical context making it ideal for locating and excavating utilities. The advantage over a traditional, electromagnetic locator is that the RD1000™ can see non-conductive materials including plastic pipes.

Built from durable, weatherproof materials, the RD1000™ offers users a comfortable and easy-to-steer product that can operate in almost any terrain. The RD1000™ ships in a single container and weighs less than 23kgs (50lbs). The RD1000™ can be assembled on site in less than two minutes and can be dismantled with ease for compact storage and safe transportation. The modular design makes the RD1000™ easy to service and repair.

The RD1000™ offers outstanding locate performance. The RD1000's powerful DSP core displays the sub-surface map in real-time on a high-contrast LCD. RD1000™ features integrated digital color and gain enhancements that let the operator maximize locate quality and performance. Advanced digital filtering helps the operator to eliminate unwanted signals and provide greater accuracy.

Operating the RD1000™ is simple. The LCD features an integrated and intuitive keypad and menu system that offers the operator easy access to the advanced digital features offered by the RD1000's DSP core. Another easy-to-use feature is Locate Mode. Unique to the RD1000™, Locate Mode, is activated simply by reversing the cart. Locate Mode provides an accurate snapshot of underground conditions and uses a cursor to indicate the depth and location of a buried utility.

RD1000™ features one-touch image recording to help the technician document their findings. Images are saved to durable Compact Flash cards, which can be copied to a PC using inexpensive third-party card readers. The Compact Flash card interface also allows the user to update the RD1000™ firmware when upgrades are made available.



Digital enhancement

Use digital gain, filters and color adjustment to clarify location readings and filter out unwanted signals.

Integrated odometer

Track your progress and map utilities with ease.

Selectable depth

Accurately survey utilities buried up to 8 meters/26.5 feet.

User upgradable firmware

Easily upgrade the RD1000™ firmware using a Compact Flash card.

RD1000™ GPR system



Display unit: large, high visibility screen with intuitive one-touch controls.



Battery Pack: portable and weatherproof construction. Easy to swap in the field for extended hours of operation.

Ergonomic handle: comfortable grip and well balanced control to assist in maneuverability.

Sensor box: Light-weight design houses powerful GPR transceiver and digital processor.

| RD1000™ SPECIFICATIONS | |
|------------------------|------------------------------------------------------------------|
| Screen: | 7.25" color LCD |
| Storage: | Compact Flash card for recording snapshots and software upgrades |
| Dimensions: | 97 x 110 x 70cm 38 x 43 x 27in |
| Weight: | 23kg (50lbs) |



All-terrain wheels: agile and durable for easy operation across any surface.

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.

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