RD1000™ Utility GPR

PORTABLE GROUND PENETRATING RADAR SYSTEM

›Radiodetection®

EASY OPERATION
High contrast color LCD and intuitive keypad-driven 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.

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

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

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.

RD1000 GPR system

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

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

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

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

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

COMPACT DESIGN
Weighs less than 23kg (50lbs) and easily disassembled for convenient transportation and storage.

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 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)

H. FRÖHLICH AG*TEC*