

Interragator™ EZ



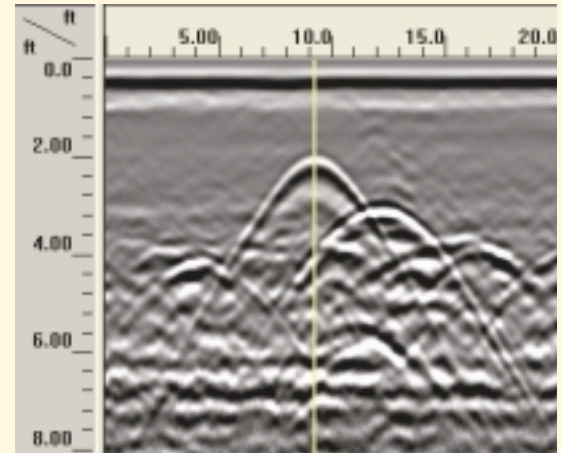
Ground Penetrating Radar



The Quick and Easy Way to Locate Buried Utilities

The new Interragator EZ GPR System is designed with the needs of the utility contractor and locating personnel in mind. The Interragator EZ offers the latest advancements in ground penetrating radar electronics with a simple to use operator interface. The system is lightweight and compact and can be quickly set up in a few minutes. GPR data is displayed in real-time during a survey and the reverse cursor allows immediate and accurate utility marking. A depth calibration routine makes system calibration easy.

Ground penetrating radar offers the means to detect all types of buried pipes (metallic and nonmetallic) prior to or during a directional drilling, trenching, or excavation project. And when used in conjunction with conventional locating and vacuum excavation methods, a clearer picture of the subsurface may be achieved in order to avoid potential accidents. The Interragator EZ can assist in identifying buried targets to depths of 20 ft below the subsurface depending on site conditions (soil type, surface conditions, and other factors may influence results).



Operation of the Interragator EZ is as simple as pushing a button and moving the unit along the survey path. Survey results are displayed onscreen in real-time. The reverse cursor (shown above in yellow) lets the operator mark a utility location immediately and accurately without having to use a measuring tape. The depth calibration function allows you to calibrate the system parameters for your job site soil conditions.

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General

Type: 2-wheel deployment cart/antenna assembly; built-in encoder wheel
Dimensions: 26" (66 cm) long x 19" (48 cm) wide x 11.6" (30 cm) high
Handle height: Nominal 40"; adjustable
Weight: Approximately 40 lb (18 kg) with antenna

Operational

Temperature: -10° - 40° C operating
Humidity: 10% to 90% RH noncondensing
Environmental: Radar control unit is environmentally sealed; can be used in inclement weather
Survey speed: Up to 5 mph (8 kmph)

Hardware

Processor: 32-bit Intel StrongArm RISC Processor @ 206 MHz
Display: 8.4" (21.3 cm) active matrix, bright color LCD display, 800 x 600 pixels, sunlight readable
Memory: 512 MB Flash Memory
External data storage: 64 MB USB Micro Vault
Power: 10.8-volt Lithium-ion rechargeable batteries, 1.5 - 2 hours of life depending on conditions

Software

Windows CE operating system
Data collection modes: Continuous or survey wheel mode
– Survey wheel provides horizontal positioning of data; user input of horizontal reference marks available
Display mode: User-selected; color/gray scale line scan only
Range gain: Automatic; range gain prior to digitization for maximum system dynamic range

Filters: Automatic vertical filtering; stacking and background removable filters available
Scan rate: 100 scans/sec
Sampling: 512 samples/scan
Range: User-selected, five depth selections –
English: 3, 5, 10, 15, 20 ft (Metric: 1, 2, 3, 5, 7 m)
Data Transfer: Via 64 MB USB MicroVault or via Microsoft Active Sync

Antenna

Antenna: 400 MHz antenna
Pulse width: 2.5 ns
Transmit rate: 100 KHz
Dimensions: 17" x 12" x 8" (30 cm x 30 cm x 20 cm)
Weight: 10 lb (4.6 kg)

Vermeer Manufacturing Company
1210 Vermeer Road East
P.O. Box 200
Pella, Iowa 50219 U.S.A.
Phone: (641) 628-3141
Fax: (641) 621-7734
International Fax: +1 (641) 621-7730
www.vermeer.com

Call toll-free 1-888-VERMEER
1-888-837-6337 (U.S.A. only)

Europe, Middle East and Africa:
P.O. Box 323
4460 AS Goes
Netherlands
Phone: +31 113 272700
Fax: +31 113 272727

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