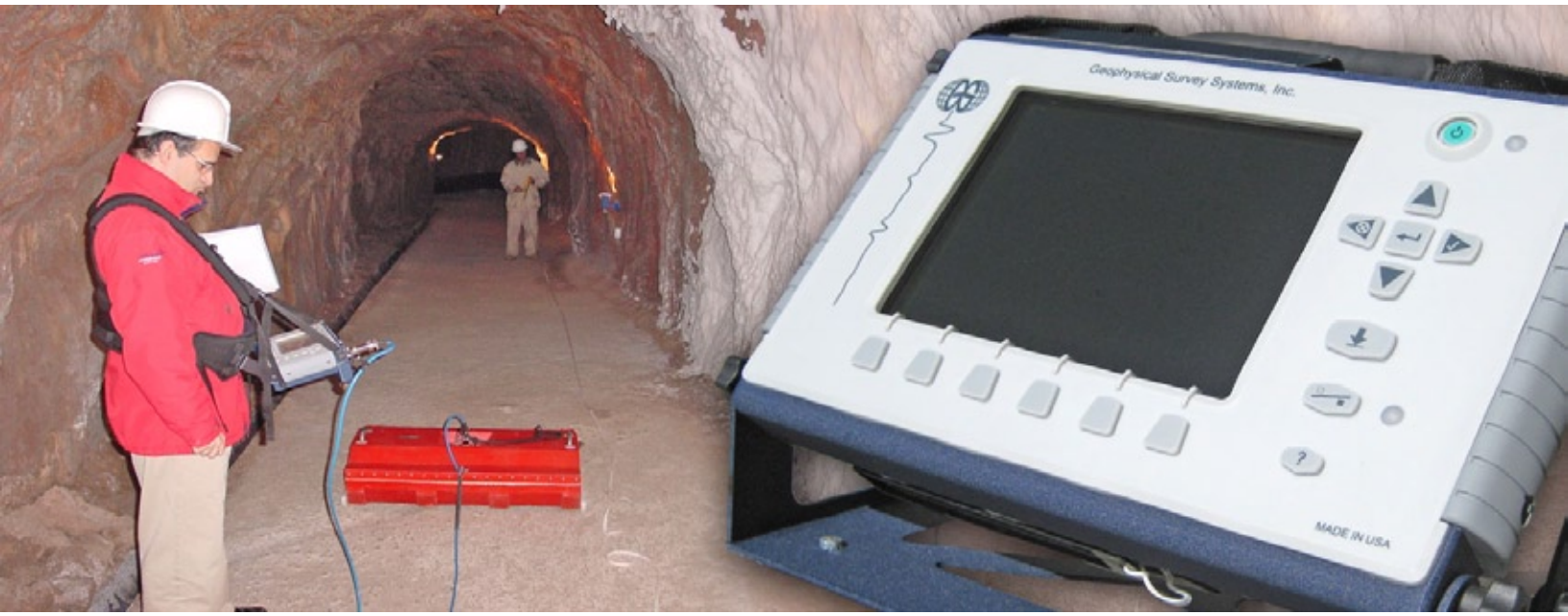

SIR-3000

Rugged, High-Performance Single-Channel GPR Data Acquisition System

The SIR-3000 is the industry's number one choice for data accuracy and versatility. This small, lightweight control unit is designed for single-user operation. The SIR-3000 provides the essential features and flexibility that experienced GPR users require, as well as simplified, application-specific user interfaces for novice GPR users.

The SIR-3000 incorporates advanced signal processing and display capability for 'in-the-field' 3D imaging. Unlike other data acquisition products on the market, the SIR-3000 is interchangeable with all GSSI antennas, making it an affordable and flexible option for multi-application users.

Typical Uses

- Concrete inspection
- Utility location
- Geological investigation
- Archaeology
- Forensics
- Bridge deck inspection
- Mining
- And many other custom applications

Modular Design

- Compatible with all GSSI antennas
- Lightweight and portable
- Removable, rechargeable batteries

Integrated System

- Windows-based user interface
- GPS integration
- High-resolution color screen that is visible over a wide range of light conditions
- Rugged and weather resistant

Deliver Results

- Removable compact flash card memory
- Large internal data storage

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SIR-3000 System Specifications

System	
Antennas	Compatible with all GSSI antennas
Number of Channels	1 (one)
Data Storage	Internal memory: 2 GB Flash memory card Compact Flash port: Accepts CF memory up to 2 GB (using FAT 16 file format)
Display	Enhanced 8.4: TFT, 800x600 resolution, 64K colors
Display Modes	Linescan, O-scope, 3D
Data Acquisition	
Data Format	RADAN (.dzt)
Scan Rate Examples	220 scans/sec at 256 samples/scan, 16 bit 120 scans/sec at 512 samples
Scan Interval	User-selectable
Number of Samples per Scan	256, 512, 1024, 2048, 4096, 8192
Operating Modes	Free run, survey wheel, point mode
Time Range	0-8,000 nanoseconds full scale, user-selectable Gain: Manual or automatic, 1-5 gain points (-20 to +80 dB)
Filters	Vertical: Low Pass and High Pass IIR and FIR Horizontal: Stacking, Background Removal
Languages	
	English, French, Italian, German, Spanish, Japanese, Chinese
Operating	
Operating Temperature	-10°C to 40°C ambient
Charger Power Requirements	15 V DC, 4 amps
Battery	10.8 V DC, internal
Transmit Range	Up to 100 KHz
Input/Output	
Available Ports	Antenna input DC power input Serial RS232 (GPS port) Compact Flash memory USB master slave
Mechanical	
Dimensions	12.4 (l) x 8.7 (w) x 4.1 (h) in (31.5 x 22 x 10.5 cm)
Weight	9 lbs (4.1 kg) including battery
Environmental	Water Resistant

SIR-3000 System Includes

- SIR-3000 control unit
- Transit case
- 2 batteries
- Battery charger
- AC adapter (also works as charger)
- User manual
- Sunshade

Antennas and accessories sold separately

CE and FCC Compliant

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