



Advanced Test Equipment Corp.
www.atecorp.com 800-404-ATEC (2832)



SIR[®] 4000

The SIR[®] 4000 is GSSI's premier GPR control unit designed to operate with both analog and digital antennas. This controller bridges the legacy of our traditional analog antennas and our digital offerings. This evolutionary step allows for true system flexibility by supporting a wide range of users across numerous applications. Coupling a large color display with a highly rugged design allows users to have a high-performance GPR controller for everyday field applications.

The SIR 4000 Advantage

The SIR 4000 offers a multitude of data collection modules including Quick 3D, UtilityScan, StructureScan and Expert Mode. It also incorporates advanced display methods and filtering capabilities for processing and imaging in the field. The SIR 4000 also provides a simple user interface, plug-and-play GPS integration and convenient data transfer options.

NUMBER OF CHANNELS	ANTENNA COMPATIBILITY
1	GSSI Digital and Analog Antennas
WEIGHT	STORAGE CAPACITY
4.5 kg (10 pounds)	32 GB
OPTIONAL SOFTWARE	ACCESSORIES
RADAN 7	Carrying Harness, Stand



See our website for more information and detailed specifications: www.geophysical.com

SIR 4000 FEATURES

Modular Design, Flexible Solutions

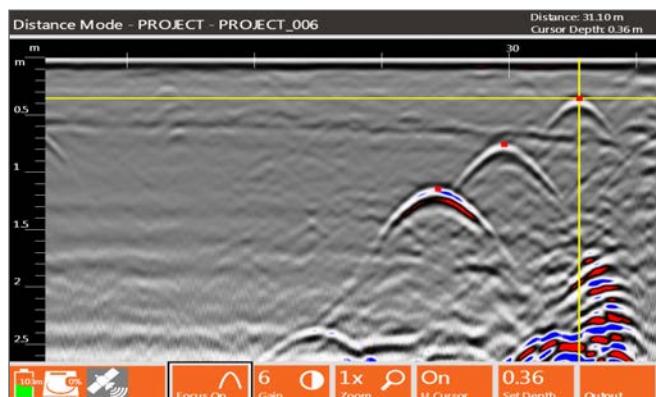
The SIR 4000 is compatible with all GSSI analog and digital stand-alone antennas and offers options for every user in many different applications. The controller can transmit at a rate of up to 800 KHz, offers a 32-bit output data format, and has a max time range of 20,000 ns. The SIR 4000 also allows for GPS integration from low-end to RTK based GPS systems. This controller was designed to withstand rain and dusty environments, and is rated at IP65.

Premier User Interface

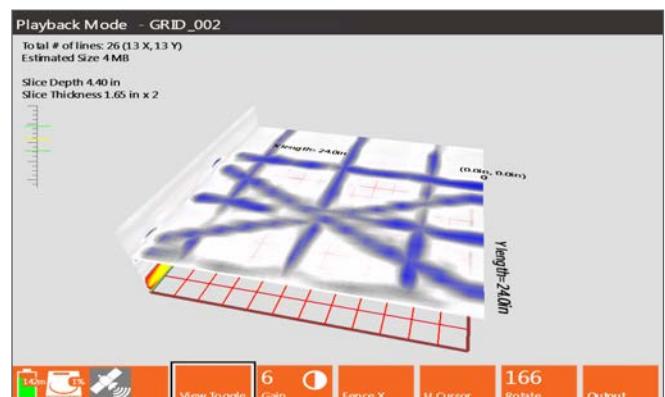
With a Windows® based OS and a high-resolution 10.4" LED display, the SIR 4000 has an easy-to-use UI that allows for quick navigation through multiple application modules. The startup screen on the SIR 4000 is a very simple interface to navigate where users can launch application-specific modules, last used settings, start new projects, or play back data from previous projects.

In addition, users can configure the SIR 4000 with personalized settings including language, units, and color themes. Using the knob or soft key features, users can select various menu options easily and efficiently. Users have the ability to change display gain and filters in real-time while collecting data. Additionally, users can change the scale, add reference marks, and personalize the color display. Filters include hyperbola matching for data migration, surface position tracking, signal floor tracking and adaptive background removal.

DATA VISUALIZATION



Screen capture of 2D data image. Data illustrates several utilities at varying depths, cross-hair feature is activated.



Screen capture of 3D data image. Data illustrates a rebar mat with post tension cables in an "X" pattern.

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