



# SIR<sup>®</sup> 4000

The SIR<sup>®</sup> 4000 is GSSI's premier GPR control unit designed to operate with analog and digital antennas. This controller bridges the legacy of our traditional analog antennas and our new 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 advance display methods and filtering capabilities for 'in-the-field' processing and imaging. The SIR 4000 also provides a simple user interface, plug-and-play GPS integration and convenient data transfer options.

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



See our website for more information and detailed specifications: [www.geophysical.com](http://www.geophysical.com)

# SIR 4000 FEATURES

## Modular Design, Flexible Solutions

The SIR 4000 is compatible with all GSSI analog and digital stand-alone antennas that offer options for every user in many different applications. The controller can transmit at a rate of up to 800 KHz, has a 32-bit output data format and 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 IP 65.

## Premier User Interface

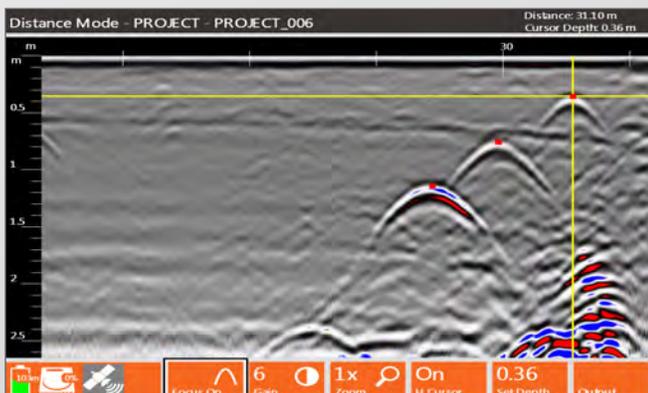
With a Windows® based OS and a high-resolution 10.4" LED display, the SIR 4000 has an easy to use UI that allows for quick navigation through multiple application modules. The startup screen on the SIR 4000 is a very simple interface to navigate, where users launch application specific modules, last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

## TYPICAL USES

- Utility Designation
- Concrete Inspection
- Mining and Geology
- Environmental Assessment
- Archaeology
- Forensics

FCC, RSS-220 and CE Certified

## 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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