SIR® SYSTEM Antennas
For Near Surface Investigations

Applications
Archaeology
Concrete Infrastructure Evaluation
Rebar and Reinforcing
Void Detection

Built for durability and reliability
• Rugged, military-style connectors
• Coated, sealed electronics
• Shielded to eliminate above-ground interference
• All temperature conditions, -20°C to 50°C
• Low resistance, long-life replaceable wear skids
• Rugged, high-density molded cases
• Heavy duty cable

MODEL 5100
High Resolution, Portability
Specially configured for access to small areas. Used to locate objects embedded in concrete, such as rebars, tendons and conduit and other very high resolution, near surface applications.

Center Frequency: 1500 MHz
Depth Range: 0-0.5 m (0-18 in)
Dimensions: 3.8 x 10 x 16.5 cm (1.5 x 4 x 6.5 in)
Weight: 1.8 kg (4 lbs)

MODEL 3101D
Shallow Penetration Depths
This high resolution antenna is designed for applications requiring shallow penetration down to 1 meter (3 feet), such as void detection, concrete thickness assessment and shallow pipe locates. Also, for rebar identification on projects where antenna size is not critical or space is not limited.

Center Frequency: 900 MHz
Depth Range: 0-1 m (0-30 ft)
Dimensions: 8 x 18 x 33 cm (3 x 7 x 13 in)
Weight: 2.3 kg (5 lbs)

Geophysical Survey Systems, Inc.
Model 5100 Antenna
Unsurpassed data resolution for concrete investigations

Specially configured for access to small areas. Used to locate objects embedded in concrete, such as rebars, tendons and conduit and other very high resolution, near-surface applications.

Center Frequency: ~1500 MHz in concrete
Depth Range: 0-1 m
Dimensions: 3.8 x 10 x 16.5 cm (1.5 x 4 x 6.5 in)
Weight: 1.8 kg (4 lbs)