RoadScan™ 30

The affordable RoadScan™ 30 system provides users with an effective tool for quickly determining pavement layer thickness. RoadScan 30 can collect data densities not obtainable using other labor-intensive methods. RoadScan data can be acquired at highway speeds, which eliminates the need for lane closures and provides a safer working environment.

The RoadScan Advantage

The RoadScan system, with available accessories, provides all the components necessary to perform a GPR road inspection. The SIR® 30 control unit is a configurable multi-channel system, allowing users the ability to operate one to four antennas simultaneously at high speeds.

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<tr>
<th>MAX DEPTH</th>
<th>ANTENNA OPTIONS</th>
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<tbody>
<tr>
<td>91 cm (3 feet)</td>
<td>2.0 GHz, 1.0 GHz</td>
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<tr>
<th>WEIGHT</th>
<th>STORAGE CAPACITY</th>
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<tr>
<td>49.8 kg (110 pounds)</td>
<td>2 Channel: 250 GB</td>
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<tr>
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<td>4 Channel: 500 GB</td>
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<tr>
<th>OPTIONAL SOFTWARE</th>
<th>ACCESSORIES</th>
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<tr>
<td>RADAN 7, RADAN 7 RoadScan Module</td>
<td>Antenna vehicle front mount, Antenna vehicle trailer mount</td>
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New and improved smart antennas simplify set-up with automatic identification to the SIR 30. Customize the system for your specific needs, configure the RoadScan 30 with your choice of accessory antennas.

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

**Non-Destructive Pavement Testing**

RoadScan can quickly collect pavement layer thickness data. The system acquires data at highway speeds, which eliminates the need for lane closures and provides a safer working environment.

**Quantifiable Data**

Ground penetrating radar offers users a quick and effective way to determine pavement layer thickness. GPR can evaluate base and sub-base layers with data collection densities not obtainable by traditional labor-intensive methods, such as coring.

**Pavement Evaluation Results**

Data can be easily exported as ASCII output files for simple data transfer to other software programs. Or, migrate data results as a Google Earth™ .kml file for enhanced visualization.

**ROADSCAN FLEXIBILITY**

Using the SIR 30 as the foundation of the RoadScan system, one can obtain additional information with accessory antennas. Many RoadScan clients elect to use the 900 MHz or 400 MHz antenna to obtain additional information on base or sub-base layers.

**TYPICAL USES**

- NDT road evaluation
- Measure pavement thickness
- Evaluate base and sub-base conditions
- Measure asphalt prior to milling operations
- Determine areas to core

FCC, RSS-220 and CE Certified

**Base and Sub-base Layers**

400 MHz data showing base and sub-base layers.

**Subsurface Structure**

900 MHz data showing subsurface structure with several layers.