**Key Features**

- A-Scan display
- Two fully independent gates for echo monitoring with start and width adjustable over full range of unit
- Amplitude variable from 0 to 100% full screen height
- Bar presentation
- Positive triggering for gate 1
- Negative triggering for gate 2
- Inspection wheel with six transducers
- Integrated Couplant delivery system with hose quick disconnect

**Portable and Flexible Rail Inspection**

The completely portable MultiPass rail inspection system performs a full ultrasonic inspection on a single rail. The system features a single channel digital ultrasonic flaw detector with two fully independent gates for echo monitoring (each with audible and visual alarms).

**Full Range of Transducers**

The MultiPass rail inspection system includes a full range of inspection transducers, including:

- One zero crystal for both web coverage and base detection
- One 45-degree crystal for full rail web coverage
- Three 70-degree crystals for full head coverage, including field, center and gauge
- One side-looking crystal for longitudinal cross-rail coverage

**Light and Durable**

The MultiPass system features an aluminum casing, making it lightweight for transporting and usage, as well as extremely durable.

**Handles any Gauge Size & ideal for Plug Rail**

Since the MultiPass system tests a single rail at a time, it is ideal for use with any gauge size. In addition, the MultiPass system is perfect for testing plug rail.
### Product Specifications

<table>
<thead>
<tr>
<th>Category</th>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology</td>
<td>UT Signal Processor</td>
<td>Single-Channel Sonatest SiteScan 150 or equivalent</td>
</tr>
<tr>
<td></td>
<td>Detector Wheel Technology</td>
<td>XL 6-7 Rolling Search Unit (RSU) Transducers: (3) 70°, (1) 45°, (1) 0° + (1) side lookers</td>
</tr>
<tr>
<td></td>
<td>Rail Capture</td>
<td>Non-retracting Rollers</td>
</tr>
<tr>
<td>Capacities</td>
<td>Couplant Capacity</td>
<td>2 gal (7.6 l) with hose quick disconnect</td>
</tr>
<tr>
<td></td>
<td>Weight</td>
<td>48 lbs (22 kg)</td>
</tr>
<tr>
<td>Environmental</td>
<td>Operating Range</td>
<td>20 - 90 °F (-7 - 32 °C), light rain</td>
</tr>
</tbody>
</table>

### Rail Testing Trolley

- Front and Rear guide wheels to align RSU to center of rail
- Air cylinder pack to ensure proper contact of test wheel to top of rail
- Connection cables to all probes, gripper handle for single-handed operation
- Control box to allow selection of probes and provide adjustment for transducer balancing
- Integrated water tank with distribution hose
- Hose quick disconnect to and from the trolley for easy filling of the couplant tank