SmartScan® 25 and SmartScan® 50 are non-contact, continuous ultrasonic level measuring devices for installation in various types of tanks and vessels. Drawing on patented technology, the SmartScan products deliver automatic temperature compensation for vapors, gases and wind to provide the highest accuracy. Self-calibrating and virtually immune to changing conditions, SmartScan products provide a unique combination of strength, performance, and value.

Advantages
- Highly cost effective solution
- Fast set-up time saves installation cost
- Reliable operation
- Reduced stock inventory
- Efficient control and management of processes utilizing internal smart relays
- Easy installation saves time and cuts down costs
- Single source for a complete product line

Main Features
- Applicable for liquids, solids and open channel flow measurement
- Up to 40 meters long range measurements with high accuracy
- Very lightweight and compact sensors
- Automatic temperature compensation
- Extensive software package including total flow, volume and paper roll diameter measurement options
- 5 independent SPDT relays
- Available as a single-sensor or a multi-sensor unit with two or three sensors and level difference
- Patented technology enables low energy and power consumption
- Zero calibration and zero maintenance

Applications
- Chemical processes
- Petrochemicals
- Food ‘Beverage
- Water ‘Wastewater
- Pharmaceutical
- Pulp ‘Paper
- Plastics
- ...and more

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## Data Sheet
### SmartScan® 25 \& 50

<table>
<thead>
<tr>
<th>Model</th>
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<tbody>
<tr>
<td></td>
<td>Liquid, Solid, Open Channel Flow</td>
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<td></td>
<td>Liquids. Flow</td>
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<tr>
<td></td>
<td>Standard Range: 0.6 - 25 m (2 - 82 ft)</td>
<td>0.4 - 12 m (1.3 - 39.4 ft)</td>
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<tr>
<td></td>
<td>Long-Range: 0.6 - 40 m (2 - 131 ft)</td>
<td>Standard Range: 0.6 - 20 m (2 - 66.6 ft)</td>
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<tr>
<td></td>
<td>Solids</td>
<td>Solids</td>
</tr>
<tr>
<td></td>
<td>Standard Range: 0.6 - 20 m (2 - 66.6 ft)</td>
<td>0.4 - 8.5 m (1.3 - 28 ft)</td>
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<tr>
<td></td>
<td>Long-Range: 0.6 - 30 m (2 - 98 ft)</td>
<td>Diameter</td>
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<tr>
<td></td>
<td></td>
<td>0.5 - 2.5 m (1.6 - 8.2 ft)</td>
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</tbody>
</table>

### Specifications
- **Resolution**: 0.2% of measuring range
- **Power Supply**: 24 VDC (0.25A max); 100-240 VAC, 50/60Hz, 70mA Max.
- **Load**: 25 KHz
- **Sensor Type**: SS, Coated Aluminum
- **Sensor Material**: Glass reinforced Epoxy
- **Sensor Housing**: PP (PVDF: optional)
- **Display**: LCD (6 digits)
- **Communication**: Modbus®, HART®
- **Enclosure Rating**: IP 67/ IP 65
- **Beam Angle**: 5° @ 3db point
- **Sensor - Operating Temp’**: -40°C to +100°C (-40°F to +212°F)
- **Sensor Material**: Stainless steel, Coated Aluminum
- **Sensor Housing**: 1" BSP/NPT
- **Temp’ range**: -40°C to +80°C (-40°F to +176°F)
- **Ambient Temperature**: -40°C to +60°C (-40°F to +140°F)
- **Enclosure Weight**: 1.1 Kg (2.4 lb)
- **Sensor Weight**: 1.0 Kg (2.2 lb)
- **Enclosure Dimensions**: 246 mm x 200mm x 84mm
- **Sensor Dimensions**: 246 mm x 200mm x 84mm
- **Extension Cable Length**: 200 m (656 ft.)
- **Certifications**: CE, FCC, ATEX

### SmartScan 25L, 25S, 25O - 0.25% of measuring range

<table>
<thead>
<tr>
<th>Measuring Ranges</th>
<th>Power Supply</th>
<th>Load</th>
<th>Current Output Range</th>
<th>Housing Type</th>
<th>Housing Material</th>
<th>Mounting Option</th>
<th>Temp’ range</th>
<th>Ambient Temperature</th>
<th>Compensation</th>
<th>Enclosure Rating</th>
<th>Beam Angle</th>
<th>Sensor Type</th>
<th>Sensor - Operating Temp’</th>
<th>Sensor Material</th>
<th>Sensor Housing</th>
<th>Display</th>
<th>Communication</th>
<th>Interface</th>
<th>Relays</th>
<th>Relays Trigger Points</th>
<th>Enclosure Weight</th>
<th>Sensor Weight</th>
<th>Enclosure Dimensions</th>
<th>Sensor Dimensions</th>
<th>Extension Cable Length</th>
<th>Certifications</th>
</tr>
</thead>
</table>