Technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>wms-25/RT/HV/M18</th>
<th>wms-35</th>
<th>wms-600/RT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blind zone</td>
<td>30 mm</td>
<td>65 mm</td>
<td>350 mm</td>
</tr>
<tr>
<td>Operating range</td>
<td>250 mm</td>
<td>350 mm</td>
<td>1,300 mm</td>
</tr>
<tr>
<td>Transducer frequency</td>
<td>320 kHz</td>
<td>400 kHz</td>
<td>200 kHz</td>
</tr>
<tr>
<td>Resolution, sampling range</td>
<td>0.35 mm</td>
<td>0.18 mm</td>
<td>0.18 mm</td>
</tr>
<tr>
<td>Reproducibility</td>
<td>±0.15 %</td>
<td>±0.15 %</td>
<td>±0.15 %</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-20°C to +70°C</td>
<td>-20°C to +70°C</td>
<td>-20°C to +70°C</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-40°C to +70°C</td>
<td>-40°C to +70°C</td>
<td>-40°C to +70°C</td>
</tr>
<tr>
<td>Weight</td>
<td>80 g</td>
<td>200 g</td>
<td>200 g</td>
</tr>
<tr>
<td>Signal output (Echo)</td>
<td>Positive-switched (pnp),</td>
<td>3 mA, UCE</td>
<td>30 mA, UCE</td>
</tr>
<tr>
<td>Signal input (Transmitter)</td>
<td>Controlled by open collector (npn); i; ≥ 3 mA, Ucc ≤ 30 V</td>
<td>10,000 m</td>
<td>30,000 m</td>
</tr>
<tr>
<td>Signal input (Echo)</td>
<td></td>
<td>80 µs</td>
<td>150 µs</td>
</tr>
<tr>
<td>Recommended transmitted pulse length</td>
<td>25 µs</td>
<td>80 µs</td>
<td>150 µs</td>
</tr>
<tr>
<td>Recommended measuring cycle time</td>
<td>8 ms</td>
<td>12 ms</td>
<td>20 ms</td>
</tr>
<tr>
<td>Order No.</td>
<td>wms-25/RT/HV/M18</td>
<td>wms-35</td>
<td>wms-600/RT</td>
</tr>
</tbody>
</table>

**Important instructions for assembly and application**

- All employee and plant safety-relevant measures must be taken prior to assembly, start-up, or maintenance work (see operating manual for the entire plant and the operator instruction of the plant).
- The sensors are not considered as safety equipment and may not be used to ensure human or machine safety!
- The wms sensors require a connection to the customer’s own control and signal evaluation equipment.
- The detection zone of the sensor is always employed.

**Operating Instructions**

- wms ultrasonic sensor
- wms-25/RT/HV/M18
- wms-35
- wms-600/RT
- wms-130/RT

**Product description**

The wms sensors require a connection to the customer’s own control and signal evaluation equipment.

**Important instructions for assembly and application**

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The wms sensors require a connection to the customer’s own control and signal evaluation equipment. The detection zone of the sensor is always employed. The dark grey areas are determined with a thin round bar (10 or 27 mm dia.) and indicate the typical operating range with a thin round bar (10 or 27 mm dia.).

- Operating voltage $U_b$ / Voltage ripple
- No-load current
- Class of protection to EN 6052
- Type of connection
- Operating temperature
- Storage temperature
- Weight
- Signal input (Transmitter)
- Signal output (Echo)

**Operating Instructions**

- wms ultrasonic sensor
- wms-25/RT/HV/M18
- wms-35
- wms-600/RT
- wms-130/RT

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