Eddy Current Z Probes
For Testing Non-Magnetic Wire, Rod & Tube

RTC-1003
RTC-1001 Probe Tip
for use with RTC-1000

Z Probes detecting 0.002" deep notch on 9mm diameter copper tubing
Z Probe Features:

- Gives superior, more reliable distance compensation for non-magnetic or low conductivity products, as well as magnetic material.
- Improved results on copper, titanium, 18/8 and austenitic stainless steel, including 304 and 302 grades.
- Provides 100% coverage of longitudinal surface defects, with each probe covering a 10mm wide path.
- Improved signal to noise ratio.

Applications Include:

- High speed production lines of non-magnetic wire, rod and tubes.
- Slightly magnetic austenitic grades such as 304 and 302 that have been cold worked.
- Boiler and condenser tubes for chillers.
- Enhanced inner grooved copper tubes for coil heat exchangers in the air-conditioning and refrigeration industry.
- Ovate wire and material that is randomly out of round.
- Rotomac® HS 20mm with Z probes for small diameter wire, rod and tubes.
- Rotomac® 11R & 12R with Z probes for larger diameter rod, bar and tubes.
- Full upgrade of existing Rotomac® 10R to Rotomac® 11R &12R with new head plate and Z probes for distance compensation and improved coverage and signal to noise ratio on non-magnetic material.
- Minor upgrade of Rotomac 10R or 9R with replacement headplate to use Z probes for improved results on non-magnetic material, but without distance compensation.

<table>
<thead>
<tr>
<th>INSTRUMENT</th>
<th>MODEL</th>
<th>PROBE</th>
<th>DISTANCE COMPENSATION</th>
<th>IMPROVED COVERAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rotomac® HS</td>
<td>20mm</td>
<td>RTC-1003</td>
<td>yes</td>
<td>yes</td>
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<tr>
<td>Rotomac® 11R</td>
<td>3C 38mm &amp; larger models</td>
<td>RTC-1000 (Includes Probe Tip 1001)</td>
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<tr>
<td>Rotomac® 12R</td>
<td>40mm</td>
<td>RTC 1001</td>
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