CoilScan RT
Real-time pipe inspection system

APPLICATIONS
- Coiled tubing (CT) operations that require real-time monitoring of pipe integrity
- Pre- and postjob CT pipe integrity inspection

BENEFITS
- Enables real-time pipe inspection during CT interventions
- Helps mitigate CT failure

FEATURES
- Defect and mechanical damage identification in CT pipe sizes ranging from 1/4 in to 2 3/8 in
- Nonstatic pipe contact
- Pipe wear detection, including corrosion, pitting, wall thickness, and ovality
- Real-time visual and audible alarms
- Accurate CT length and speed measurements
- 3D modeling and interpretation software
- Safe area and nonzoned unit availability
- Real-time integration with CoilLIMIT* coiled tubing pressure and tension limit model

The CoilScan RT* real-time pipe inspection system uses magnetic flux leakage (MFL), eddy current, and depth encoders for nondestructive evaluation of pipe integrity in the manufacturing facility or in the field. The device detects pipe defects by measuring the MFL leakage, wall thickness, ovality, length, and speed of coiled tubing. The data is interpreted by 3D modeling software during real-time operations.

Coiled Tubing Pipe Integrity Device

<table>
<thead>
<tr>
<th>Equipment Specifications</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total weight</strong></td>
<td>95, lbm</td>
</tr>
<tr>
<td><strong>Requires contact with pipe</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Requires lubrication for pipe</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Detects pinholes and notches</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Detects areas of corrosion</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Diameter accuracy</strong></td>
<td>0.010, in</td>
</tr>
<tr>
<td><strong>Wall thickness accuracy</strong></td>
<td>0.005, in</td>
</tr>
<tr>
<td><strong>CT sizes</strong></td>
<td>1.25–2.875, in</td>
</tr>
<tr>
<td><strong>Max. speed</strong></td>
<td>150, ft/min</td>
</tr>
<tr>
<td><strong>Weld seam location accuracy</strong></td>
<td>12, °</td>
</tr>
<tr>
<td><strong>Min. blind pit detected OD (W x D)</strong></td>
<td>1/8 in x 10%</td>
</tr>
<tr>
<td><strong>Min. blind pit detected ID (W x D)</strong></td>
<td>1/16 in x 15%</td>
</tr>
<tr>
<td><strong>Through hole ID (W)</strong></td>
<td>1/8, in</td>
</tr>
<tr>
<td><strong>Min. transverse notch OD (L x W x D)</strong></td>
<td>0.250 in x 0.020 in x 10%</td>
</tr>
<tr>
<td><strong>Min. transverse notch ID (L x W x D)</strong></td>
<td>0.250 in x 0.020 in x 15%</td>
</tr>
<tr>
<td><strong>Min. longitudinal notch OD (L x W x D)</strong></td>
<td>0.250 in x 0.020 in x 25%</td>
</tr>
<tr>
<td><strong>Min. longitudinal notch ID (L x W x D)</strong></td>
<td>0.250 in x 0.020 in x 35%</td>
</tr>
</tbody>
</table>

*Mark of Schlumberger

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