The Instron® Catheter Testing System is designed for both tortuosity and tensile testing of catheters. The system can be easily moved from a vertical to horizontal position to allow for different test setups. The horizontal tortuosity testing setup uses unique, averaging dual load cell approach to minimize the effects of side-loading, increasing the accuracy of load readings for low-force friction tests.

Instron’s Bluehill® Software provides ease of control of the system configuration for both tensile and tortuosity testing, and can provide results that can be as simple as a pass/fail upon the end of test.

The Instron Advantage
• No need for a dedicated tortuosity and tensile frame
• Compatible with existing fixtures (depending on load limits)
• Supported by an Instron local service
• Uses standard Bluehill Software
• Reduced operator training
• Compatible with Bluehill’s large library of calculations
• Existing IQ/OQ documentation will not be affected with an axial torsion add-on
• Horizontal mounting can be added to a new or existing Instron frame

Key Applications
• Guide wires
• Catheters
• Other medical tubing

Specifications

<table>
<thead>
<tr>
<th>Frame Model Options</th>
<th>N</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frame Load Capacity</td>
<td>Lbf</td>
<td>224</td>
</tr>
<tr>
<td>Electrical Requirements (Single Phase)</td>
<td>Hz</td>
<td>47/63</td>
</tr>
<tr>
<td></td>
<td>VAC</td>
<td>120 or 220</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>°C</td>
<td>+10 to 38</td>
</tr>
<tr>
<td></td>
<td>°F</td>
<td>+50 to 150</td>
</tr>
</tbody>
</table>

Note:
1. Lower load capacities can be accommodated with smaller load cells.