Phenom Electrical Feedthrough Sample Holder

Connect electrical probes to the sample
In-situ measurements
The Thermo Scientific™ Phenom Electrical Feedthrough Sample Holder allows users to connect electrical probes to the sample for in-situ measurements.

6 quick release pin connections can be used for various signals to be read and voltages or currents to be applied to the sample simultaneously while the sample is observed in the SEM.

A feedthrough block with a RS323 connector leads the cables out of the vacuum and bypass the SEM door. The RS323 is directly connected to the pins in the sample holder. Thanks to the Unique sample holder concept no adjustments to the Phenom have to be made to change imaging with the electrical feedthrough sample holder.

The sample can be height adjusted from 0 – 25mm manually to accommodate a wide variety of samples on a 12mm pin stub.

Specifications

<table>
<thead>
<tr>
<th>Connections</th>
<th>6 + 1 ground, Ø 1 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current</td>
<td>Max. 1A</td>
</tr>
<tr>
<td>Voltage</td>
<td>Max. 50V DC</td>
</tr>
<tr>
<td>Sample size</td>
<td>Ø 12 mm, 25 mm height</td>
</tr>
</tbody>
</table>

Applications
- Activate Mems devices
- Measuring probe current

Find out more at thermofisher.com/phenomworld