The NBX-1000 MEMS optical switch is designed for multiple fiber measurement. There are three models available for 1x8, 1x16 or 2x8 configurations. The balanced switching insertion loss for overall channels gives a good optical budget stability for the measurement system. Thus when switching over the different channels; still the results won’t be deviated from the reference one.

The setting is easily operated on NEUBRESCOPE GUI, and the USB interface gives no extra power supplier needed. The NBX-1000 power consumption is as low as 1.5VA thus the NBX-1000 can be set together with any optical measurement instruments.

**NBX-1000 series**

**OPTICAL SWITCH for NEUBRESCOPE**

**FEATURES**

- 1x8, 1x16 or 2x8 Optical Channels
- 2x16 available by 2 units of 1x16
- FC/APC or E2000/APC connector available
- Power supplied by USB
- Easy operating with NEUBRESCOPE™ GUI.

**Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>Testing Wavelength</th>
<th>Insertion Loss</th>
<th>Cross Talk</th>
<th>Return Loss</th>
<th>Polarization Dependent Loss</th>
<th>Switching Speed</th>
<th>Switching Control I/F</th>
<th>Optical Fiber Type</th>
<th>Connector Type</th>
<th>Power Supply</th>
<th>Dimension (W x H x D)</th>
<th>Weight</th>
<th>Operation Temperature</th>
<th>Storage Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>NBX-1000-1</td>
<td>1500 to 1565 nm</td>
<td>&lt; 1.5 dB</td>
<td>&lt; 60 dB</td>
<td>&lt; 45 dB</td>
<td>&lt; 0.15 dB</td>
<td>0.5 sec</td>
<td>NEUBRESCOPE GUI (USB 2.0)</td>
<td>Single Mode Optical Fiber</td>
<td>FC/APC (default)</td>
<td>USB 2.0</td>
<td>440 x 73 x 442 mm</td>
<td>5 kg / 11 lbs</td>
<td>5 to 40 C / 41 to 104 F</td>
<td>-10 to 50 C / 41 to 104 F</td>
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<td>NBX-1000-2</td>
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<td>NBX-1000-3</td>
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