SR-1050 Series

Make accurate calibrations and transfer measurements over three decades of resistance with the SR-1050 Series.

Features:
- Resistance transfers from 100 kΩ to 110 MΩ
- 11 equal-value precision resistors
- Two available models with steps of either 1 MΩ or 10 MΩ
- High transfer accuracy, better than 2 ppm
- May be used as a precision voltage divider

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Step Size</th>
<th>Adjustment accuracy</th>
<th>Transfer accuracy</th>
<th>Stability ppm/year</th>
<th>Temperature coefficient</th>
<th>Matching</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 MΩ</td>
<td>±20 ppm</td>
<td>±2 ppm</td>
<td>±15 ppm</td>
<td>±3 ppm/°C</td>
<td>±10 ppm</td>
</tr>
<tr>
<td>10 MΩ</td>
<td>±20 ppm</td>
<td>±2 ppm</td>
<td>±15 ppm</td>
<td>±5 ppm/°C</td>
<td>±10 ppm</td>
</tr>
</tbody>
</table>

Calibration conditions:
- 23°C, low-power, with meter guard applied to COMMON and ground applied to GND, traceable to SI
- Initial calibration data for each resistor is supplied with the instrument.

Leakage resistance:
>10 TΩ from terminal to case

Power coefficient:
<±0.05 ppm/mW per resistor

Maximum applied input:
2500 V, or 1 W per resistor, or 10 W for entire unit (whichever applies first)

SR-1050 High Accuracy Transfer Standard

OPERATION

Operation:
- To set standard to R/10:
  R0 R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11
  ↓ ↑ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↑ Off
- To set standard to 10R:
  R0 R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11
  ↓ Off Off Off Off Off Off Off Off ↑ Off
- To set standard to 1R:
  R0 R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11
  ↓ Off Off ↑ Off Off Off Off ↑ Off

Note: R0 is the left most switch

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>SR-1050-1M</td>
<td>1 MΩ/Step Resistance Transfer Standard</td>
<td>-RM: Rack mountable case for standard 19&quot; rack</td>
</tr>
<tr>
<td>SR-1050-10M</td>
<td>10 MΩ/Step Resistance Transfer Standard</td>
<td></td>
</tr>
</tbody>
</table>