1051 – 8 Decade Low Ohm Resistance Box

Range / Resolution: 0 to 1MΩ / 0.01Ω steps

<table>
<thead>
<tr>
<th>Decade</th>
<th>0.01Ω</th>
<th>0.1Ω</th>
<th>1Ω</th>
<th>10Ω</th>
<th>100Ω</th>
<th>1kΩ</th>
<th>10kΩ</th>
<th>100kΩ</th>
<th>1MΩ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy</td>
<td>± 10%</td>
<td>± 5%</td>
<td>± 1%</td>
<td>± 0.5%</td>
<td>± 0.1%</td>
<td>± 0.1%</td>
<td>± 0.1%</td>
<td>± 0.1%</td>
<td>± 0.1%</td>
</tr>
<tr>
<td>Max Current</td>
<td>1A</td>
<td>1A</td>
<td>1A</td>
<td>0.3A</td>
<td>0.1A</td>
<td>33mA</td>
<td>10mA</td>
<td>3mA</td>
<td></td>
</tr>
</tbody>
</table>

Residual Resistance: Less than 90mΩ
Power Rating: 1 watt per resistor
Voltage Rating: Maximum 250V DC/AC RMS
Temperature Coefficient: 50ppm/°C
Dimensions / Weight: w215 x h100 x d120mm / 1kg (incl. protective boot)
Features: Colour coded digits, safety terminals, and protective rubber boot

1040 – 8 Decade Wide Range Resistance Box

Range / Resolution: 0 to 100MΩ / 1Ω steps

<table>
<thead>
<tr>
<th>Decade</th>
<th>1Ω</th>
<th>10Ω</th>
<th>100Ω</th>
<th>1kΩ</th>
<th>10kΩ</th>
<th>100kΩ</th>
<th>1MΩ</th>
<th>10MΩ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy</td>
<td>± 1%</td>
<td>± 0.5%</td>
<td>± 0.1%</td>
<td>± 0.1%</td>
<td>± 0.1%</td>
<td>± 0.1%</td>
<td>± 1%</td>
<td></td>
</tr>
<tr>
<td>Max Current</td>
<td>0.5A</td>
<td>0.3A</td>
<td>100mA</td>
<td>30mA</td>
<td>3mA</td>
<td>0.3mA</td>
<td>30μA</td>
<td>3μA</td>
</tr>
</tbody>
</table>

Residual Resistance: Less than 250mΩ
Power Rating: 1 watt per resistor
Voltage Rating: Maximum 250V DC/AC RMS
Temperature Coefficient: 50ppm/°C
Dimensions / Weight: w215 x h100 x d120mm / 1kg (incl. protective boot)
Features: Colour coded digits, safety terminals, and protective rubber boot

1041 – 5 Decade Low Ohm Resistance Box

Range / Resolution: 0 to 1kΩ / 0.01Ω steps

<table>
<thead>
<tr>
<th>Decade</th>
<th>0.01Ω</th>
<th>0.1Ω</th>
<th>1Ω</th>
<th>10Ω</th>
<th>100Ω</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy</td>
<td>± 10%</td>
<td>± 5%</td>
<td>± 1%</td>
<td>± 0.5%</td>
<td>± 0.1%</td>
</tr>
<tr>
<td>Max Current</td>
<td>1A</td>
<td>1A</td>
<td>1A</td>
<td>0.3A</td>
<td>0.1A</td>
</tr>
</tbody>
</table>

Residual Resistance: Less than 60mΩ
Power Rating: 1 watt per resistor
Voltage Rating: Maximum 100V DC/AC RMS
Temperature Coefficient: 50ppm/°C
Dimensions / Weight: w215 x h100 x d120mm / 1kg (incl. protective boot)
Features: Colour coded digits, safety terminals, and protective rubber boot

1061 – 6 Decade Resistance Box

Range / Resolution: 0 to 1.2MΩ / 1Ω steps

<table>
<thead>
<tr>
<th>Decade</th>
<th>0.01Ω</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy</td>
<td>± 1%</td>
</tr>
</tbody>
</table>

Residual Resistance: Less than 150mΩ
Power Rating: 0.75 watt per resistor
Voltage Rating: Maximum 300V DC/AC RMS
Dimensions / Weight: w355 x h63 x d82mm / 0.75kg
Features: Slim line design and front panel safety terminals
1067 – 6 Decade Precision Resistance Box

Range / Resolution: 0 to 12kΩ / 10mΩ steps
Accuracy: ± 0.01%
Residual Resistance: Less than 10mΩ. Less than 1mΩ variation
Power Rating: 0.35 watt per resistor
Stability: 20ppm/year (>1Ω), 100ppm/year (<1Ω)
Voltage Rating: Maximum 200V DC/AC RMS
Insulation: Case to resistance terminals 2kV / 50Hz maximum
Temperature Coefficient: 10ppm/°C (20ppm/°C below 1Ω)
Dimensions / Weight: W 355 x H 63 x D 89mm / 1.1kg
Contacts: Make before break – silver alloy

1065 – 6 Decade Power Resistance Box

Range / Resolution: 0 to 120kΩ / 0.1Ω steps
Accuracy: ± 5% (0.1Ω), ± 1% (1Ω to 120kΩ)
Residual Resistance: Less than 20mΩ
Power Rating: 10 watt per resistor
Voltage Rating: Maximum 500V DC/AC RMS
Temperature Coefficient: 200ppm/°C
Dimensions / Weight: W 390 x H 80 x D 150mm / 2kg
Features: Ventilated robust metal case and multi-wafer switches for low switch contact resistance

1070 – 7 Decade Capacitance Box
1071 – 7 Decade Capacitance Box

1070 Range / Resolution: 0 to 10μF / 100pF steps
1070 Residual Capacitance: Less than 38pF
1071 Range / Resolution: 0 to 100μF / 10pF steps
1071 Residual Capacitance: Less than 50pF
Accuracy: 1% (5% above 10μF – 1071)
Voltage Rating: Maximum 300V DC, 200V AC
Dimensions / Weight: W 215 x H 100 x D 120mm / 1kg (incl. protective boot)
Features: Bi-polar working, colour coded digits, safety terminals, and protective rubber boot

1053 – 4 Decade Inductance Box

Range / Resolution: 0 to 10H / 1mH steps
Accuracy at 1kHz: 3% of setting
Voltage Rating: Maximum 30V AC
Maximum Current: 150mA
Residual Resistance: Less than 0.2Ω
Residual Inductance: Less than 1μH
Dimensions / Weight: W 248 x H 62 x D 102mm / 0.8kg
Features: Robust metal case and front panel safety terminals
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1040</td>
<td>RESISTANCE BOX (1Ω to 100MΩ)</td>
<td>UKAS Calibration</td>
</tr>
<tr>
<td>1051</td>
<td>RESISTANCE BOX LOW OHM (0.01Ω to 1Ω)</td>
<td>UKAS Calibration</td>
</tr>
<tr>
<td>1049</td>
<td>PT100 SIMULATOR HANDHELD (CLASS A °C)</td>
<td>UKAS Calibration</td>
</tr>
<tr>
<td>1050</td>
<td>PT100 SIMULATOR HANDHELD (CLASS A °F)</td>
<td>UKAS Calibration</td>
</tr>
<tr>
<td>1061</td>
<td>RESISTANCE BOX LOW COST (1Ω to 1.2MΩ)</td>
<td>UKAS Calibration</td>
</tr>
<tr>
<td>1065</td>
<td>RESISTANCE BOX - POWER 10W (0.1Ω to 100kΩ)</td>
<td>UKAS Calibration</td>
</tr>
<tr>
<td>1067</td>
<td>RESISTANCE BOX PRECISION LOW OHM (10mΩ to 10kΩ)</td>
<td>UKAS Calibration</td>
</tr>
<tr>
<td>1068</td>
<td>PRECISION FIXED RESISTANCE BOX (1Ω to 10kΩ)</td>
<td>UKAS Calibration</td>
</tr>
<tr>
<td>5069</td>
<td>INSULATION TESTER CALIBRATOR (decade resistance 100kΩ to 100GΩ)</td>
<td>UKAS Calibration</td>
</tr>
<tr>
<td>1070</td>
<td>CAPACITANCE BOX (100pF to 10μF)</td>
<td>UKAS Calibration</td>
</tr>
<tr>
<td>1071</td>
<td>CAPACITANCE BOX (10pF to 100μF)</td>
<td>UKAS Calibration</td>
</tr>
<tr>
<td>1053</td>
<td>INDUCTANCE BOX (1mH to 10H)</td>
<td>UKAS Calibration</td>
</tr>
</tbody>
</table>

Due to continuous development Time Electronics reserves the right to change specifications without prior notice.