Atlas SCR
Thyristor and Triac Analyser

Model: SCR100

**Features**

- Connect any way round.
- Identifies if your component is a Thyristor or Triac.
- Automatic Pinout identification.
- Gate sensitivity checking from 100μA to 90mA.
- Gate voltage measurement.
- Latching/Holding test current up to 100mA.
- Shorted junction detection.
- Auto power on and power off.
- Ultra-slim, compact and robust design.
- Single AAA Alkaline cell (included).

Thyristors and triacs vary a great deal in their requirements for gate trigger currents, some can be triggered with just 50μA, others may need higher test currents. This instrument can generate gate test currents up to 90mA. The latching and holding test current is nominally 100mA.

Just connect your thyristor or triac any way round and press “test”. It couldn’t be easier.

The *Atlas SCR* will detect if your component is a Triac or Thyristor (SCR), determine its pinout, determine the gate sensitivity and then display its findings.

Test currents are applied for very short durations, typically less than 200μS, thereby minimising the risk of damage to your sensitive components.

The *Atlas SCR* is suitable for many different varieties of Triac and SCR. It is not suitable however for devices that require a gate current of more than 90mA or a latching/holding current of more than 100mA. High power devices in bolt, disc, capsule, stack and module formats typically require higher currents than the *Atlas SCR* can produce.

Example display for a typical triac and thyristor:

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**Technical Specifications at 25°C**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min</th>
<th>Typ</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak test current</td>
<td>100mA</td>
<td>120mA</td>
<td></td>
</tr>
<tr>
<td>Peak test voltage</td>
<td>12.0V</td>
<td>12.5V</td>
<td></td>
</tr>
<tr>
<td>Gate test current</td>
<td>100μA</td>
<td></td>
<td>90mA</td>
</tr>
<tr>
<td>Hold test current</td>
<td>90mA</td>
<td></td>
<td>120mA</td>
</tr>
<tr>
<td>Battery voltage range</td>
<td>0.8V</td>
<td>1.5V</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>103 x 70 x 20mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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Please note that specifications of our products are subject to change without notice. E&OE.