

atlas SCR

Thyristor and Triac Analyser

Model: SCR100

PEAK

electronic design ltd

PRODUCT BRIEF



Unique

The **Atlas SCR** is a truly unique instrument, offering great features for analysing thyristors and triacs:

- ✓ Thyristor and triac identification.
- ✓ Automatic lead identification **Gate, Anode, Cathode** for thyristors and **Gate, MT1, MT2** for triacs.
- ✓ Gate sensitivity checking (100µA to 100mA)
- ✓ Common fault detection.

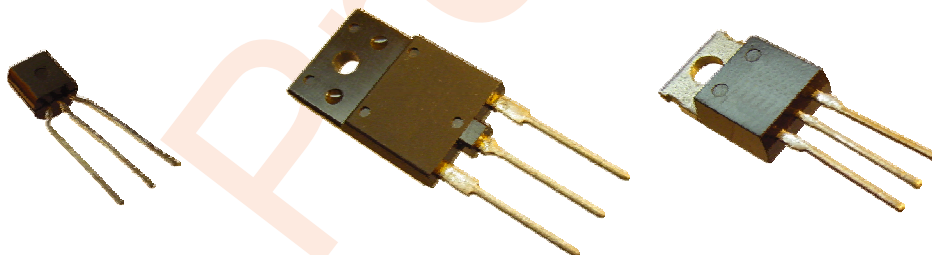
Simple

Just connect your Thyristor or Triac to the **Atlas SCR** any way round and press test. It couldn't be easier. The unit will identify the type of part (Thyristor or Triac), identify the pinout and provide an indication of gate sensitivity too.

Tough, Powerful and Smart

Thyristors and triacs vary a great deal in their requirements for gate trigger currents, some can be triggered with just 50µA, others may need up to 100mA. The Atlas SCR is smart, it will progressively increase gate trigger currents until the device is triggered, the Atlas SCR will then display it's findings.

Even sensitive devices can be tested in safety, test currents last for less than 200µS and levels are intelligently limited to safe levels.



Fault detected
or unknown part
Shorted junction
RED-GREEN

Thyristor
Sensitivity 10mA
RED GREEN BLUE
Gate Cath Anod
Load test
current 100mA

Triac detected
Sensitivity 75mA
RED GREEN BLUE
MT2 MT1 Gate
Load test
current 100mA

| Parameter | Min | Typ | Max | Units |
|-----------------------|---------------------|-----|-----|-------|
| Gate test Current | 0.1 | | 100 | mA |
| Load test current | 90 | 100 | 120 | mA |
| Gate trigger duration | | 100 | | µS |
| Main current duration | | 200 | | µS |
| Peak O/C test voltage | | ±12 | | V |
| Peak S/C test current | | | 120 | mA |
| Battery type | GP23/MN21 12V | | | |
| Overall Dimensions | 103mm x 72mm x 20mm | | | |

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

04/04

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