

CT100

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Description

The CT100 is a portable ohmmeter designed specifically for testing electrical firing circuits and accurately testing individual detonators. It has a maximum range of 199.9 Ohm at a resolution of 0.1ohm. The complete unit is encased in a protective leather case complete with belt clip and neck strap.

Capacity/ Range

Measurement range 0 - 199.9 Ohms in 0.1 Ohm increments. Rated accuracy +/- 2%

Safety Requirements

1. This device is not designed as a substitute for the Shot Firer's responsibility to plan and calculate firing circuit resistance values. It must only be used to verify expected values, and as a tool to assist in troubleshooting blast circuits.
2. Repairs must only be carried out by **STINGER** Technologies, or an authorised service agent.
3. Equipment should always be checked for condition and performance prior to site use.
4. It is the Shot Firer's responsibility to ensure that relevant standards and approved safety procedures are observed.

Battery

The **STINGER CT100** operates from a standard alkaline or NiMH 9V battery.

The circuit tester is "always on", and will provide approximately six (6) weeks reliable operation from a good quality alkaline battery. A 'LO BAT' indicator appears on the display when battery life is low.

Battery performance will depend on usage and product quality. Disconnect the battery if the tester is not used for extended periods.

It is important to only use the highest quality batteries, as inferior units may leak and will have limited usable life. Circuit tester failure due to poor, leaky, or incorrect batteries will void warranty.

Rechargeable batteries are not recommended.

Application

It is suitable in all mining, including quarry, construction, and general blasting applications. Not suitable for underground coal environment.

Specifications

Description	Circuit Resistance Tester
Discharge Type	N/A
Capacity	N/A
Circuit Tester / Range	0 – 199.9 Ohms + -2%
Battery	9V Alkaline (Included)
Housing	High Impact Plastic
Protective Casing	Removable Leather
Charge Switch	N/A
Fire Button	N/A
Accessories Included	Carry Strap
Mass	200g

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Recommendations for Use

The **STINGER CT100** Circuit Resistance Tester has been carefully developed and tested to provide reliable performance.

Following these simple steps will ensure the best results:

1. Keep the unit in a clean, dry, protected environment. Handle it with care.
2. Ensure the unit is only used by approved persons.
3. Ensure the battery has sufficient charge before use. Always use highest quality Alkaline or NiMH cells.
4. The circuit tester should be checked for correct calibration prior to measuring the resistance of a firing circuit, by pressing and holding the TEST button. The test value must read between 99.0 and 101.0
5. Disconnect the battery if not used for an extended period.
6. Always follow instructions on the rear of the unit.

CAUTION:
THIS UNIT MUST ONLY BE USED BY
APPROVED PERSONNEL.

Disclaimer

The information in this data sheet is accurate at time of publication in February 2012. It is the user's responsibility to review the information based on their own context to know if the product is suitable for them.

Compliance

Manufactured, and type tested at an approved facility, in accordance with AS2187.2 - 1993 App. B

**NO USER SERVICEABLE
PARTS INSIDE**

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WARRANTY DETAILS

AUSTRALIAN CUSTOMERS ONLY

This Stinger Technologies product (Stinger) is covered by a **conditional parts and labour warranty**. The benefits conferred by this warranty are in addition to all implied warranties, other rights and remedies in respect of the product, which the consumer has under the Competition and Consumer Act 2010 (Cth) and similar State and Territory Laws.

TERMS AND CONDITIONS

The original purchaser of this Stinger is provided with the following warranty, subject to the following conditions:-

1. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. To the extent Stinger Technologies is permitted by law, it excludes all other conditions, warranties and obligations which would otherwise be implied.
2. Stinger Technologies warrants this Stinger for the period indicated below (**Warranty Period**) against manufacturing defects which occur and are notified to Stinger Technologies (**Warranty**).
 - a. Stinger SB10 - six (6) months
 - b. Stinger CT100 - twelve (12) months
 - c. Stinger SB100 - twenty-four (24) months

This Warranty provides labour and parts replacement (excluding consumable items, defined below at clause 12) to correct the fault.

3. Subject to our obligations under the Australian Consumer Law, which cannot be excluded, and compliance with the terms of this Warranty, we will at our option, either repair or replace this Stinger if we are satisfied it is defective.
4. To the extent permitted by law, our sole liability for breach of a consumer guarantee, condition, warranty or other obligation implied by law is limited:
 - a. in the case of this Stinger we supply, to any one of the following as we decide:
 - i. the replacement of the goods or the supply of equivalent goods;
 - ii. the repair of the goods; or
 - iii. the cost of repairing the goods or of acquiring equivalent goods;
 - b. in the case of services we supply, to any one of the following as we decide:
 - i. the supplying of the services again; or
 - ii. the cost of having the services supplied again.
5. Subject to your non-excludable rights under the Australian Consumer Law, Stinger Technologies expressly excludes any liability for consequential loss, incidental or indirect damages (including but not limited to damages for loss of business profits, business interruption and loss of business information) due to a defect of the Stinger.
6. To obtain the benefit from this Warranty:
 - a. the Stinger must have been manufactured by Scientific Technical Services (Australia) Pty Ltd, trading as Stinger Technologies, 12 Juna Drive, Malaga, Western Australia and must have been purchased, used and serviced in Australia;
 - b. the Stinger must have been maintained in accordance with Australian Standard AS/NZS218; and
 - c. the Stinger must not, in the sole opinion of Stinger Technologies, have been misused, neglected, tampered with or serviced by any person not authorised by Stinger Technologies or used under other than normal conditions or used for any purpose other than for which the product was designed and intended to be used.
7. Warranty service can only be carried out by Stinger Technologies or authorised service agents appointed by Stinger Technologies.
8. To make a Warranty claim, contact Stinger Technologies, ABN 22 069 774 992 12 Juna Drive, Malaga, Western Australia, PO BOX 1810, Malaga, Western Australia, 6944 Telephone: (08) 9244 5093, info@stingertechnologies.com.au, www.stingertechnologies.com.au.
9. In the event of a Warranty claim, Stinger Technologies will ask you for the Stinger's serial number and date of purchase. You may be asked to provide proof of purchase.
10. Stinger Technologies will authorise you to send the Stinger to an authorised Stinger Technologies service agent for assessment where it will be determined if the Stinger is defective and that you have a valid claim.
11. Service pursuant to this Warranty must be carried out at premises nominated by Stinger Technologies. On-site service is not covered by this Warranty and you will be required to pay the freight costs for the transportation of the Stinger to and from Stinger Technologies or its nominated service agent.
12. This Warranty does not cover parts of a consumable nature including, but not limited to, batteries (whether separate or encapsulated), leather cases and straps.
13. The law of Western Australia governs this Warranty.