

## SB100

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#### Description

The SB100 is a dual-function unit which operates as a capacitor discharge initiator and circuit ohmmeter. It is designed to fire 1 – 100 standard detonators in series. The circuit tester enables accurate testing of individual detonators as well as testing complete firing circuits. It is powered by a rechargeable lithium ion battery. Removable magnetic keys control the security of the firing mechanism with a push button to operate the firing circuit. The complete unit is supplied with a leather carry case and shoulder strap.

#### Initiator

The SB100 will not fire until the firing capacitor has reached the required charge and the READY light will only then illuminate. This will guarantee the maximum number of detonators can be fired. Firing can be safely aborted after the READY light has illuminated by removing the magnetic key.

#### Circuit tester

The SB100 includes an inbuilt 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 0.1 Ohm, with a rated accuracy of +/- 2%.

#### Safety Requirements

1. This device generates high voltages and can cause personal injury if not used correctly.
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. Routine testing as per AS2187.2 is recommended.
4. Charging keys should never be stored with the initiator, and should be removed immediately after firing.
5. It is the Shot Firer's responsibility to ensure that relevant standards and approved safety procedures are observed.

#### Application

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

#### Specifications

<b>Description</b>	Electric Detonator Initiator
<b>Discharge Type</b>	Capacitor
<b>Capacity</b>	100 Shot* (Total 324 Ohms)
<b>Circuit Tester / Range</b>	0 – 199.9 Ohms + -2%
<b>Battery</b>	Rechargeable Lithium Ion
<b>Housing</b>	DuPont Zytel HTN
<b>Protective Casing</b>	Removable Leather
<b>Charge Switch</b>	Magnetic Reed, IP67
<b>Fire Button</b>	Membrane Type, IP67
<b>Mass</b>	1200g
<b>Accessories Included</b>	2x Keys Carry Strap AC 240V Charger 12V DC in-car Charger

\* Standard Electrical Detonators wired in Series, with 3.0metre tails of 0.5mm (25SWG). Total resistance includes firing lead-in cable.

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#### Battery/Charger

The **STINGER SB100** has an embedded rechargeable Lithium Ion battery pack. Battery performance will depend on usage and time between charges.

Ensure the battery is fully charged before first use, and when fully discharged.

The Lithium Ion battery has a charge status indicator near the charger socket on the rear.

#### Recommendations for Use

The **STINGER SB100** 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. Recharge the battery pack until charge indicator goes green (*up to 24hrs if completely flat*).
4. 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 determine if the product is suitable for their purposes.

**NO USER SERVICEABLE  
PARTS INSIDE**

**STINGER Technologies**  
12 Juna Drive, Malaga,  
Western Australia, 6090

T +61 8 9244 4628

[www.stingertechnologies.com.au](http://www.stingertechnologies.com.au)  
[info@stingertechnologies.com.au](mailto:info@stingertechnologies.com.au)

# 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, 6090 PO BOX 1810, Malaga, Western Australia, 6944 Telephone: (08) 9244 4628, [info@stingertechnologies.com.au](mailto:info@stingertechnologies.com.au), [www.stingertechnologies.com.au](http://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.