

## Specifications

Output Voltage: 50–690V in five steps

Power Supply: 6 × AA alkaline batteries

Operating Conditions: –10 to +40°C, 70% RH



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The Socket &amp; See logo is displayed inside a rounded rectangular frame. The logo itself is in red with a yellow outline and a trademark symbol (TM) at the end of "SOCKET".

SP 200  
PROVING UNIT

Before using the SP 200 the batteries must be installed as described in section 5 below.

The SP 200 Proving Unit provides a safe and reliable means of checking the correct functioning of Multimeters and two pole Voltage Indicators (VIs) before and after use.

The SP 200 will also test two pole VIs that use a pigmy lamp to indicate that voltage is present.

The SP 200 has a unique and logical safety function – the test voltage generated is at 50Hz to synthesise a genuine test at AC mains supply frequency – so always read using the AC range of your Tester or Multimeter.

## How To Use

- 1 Prove your VI is working by placing a probe in each hole. Apply gentle downward pressure on the left hand probe – this will activate a switch – the Power LED will illuminate and the SP 200 will launch into Auto Prove Mode.
- 2 The Proving voltage LEDs will automatically ramp up to 690V and then slowly ramp back down 690V→400V→230V→100V→50V→OFF (to re-prove slightly lift the left-hand probe and re-apply the downward pressure).

The advantages of the Auto Prove function are:

- a) individual voltages are applied at five key voltage test points
- b) significant battery savings as power is automatically switched off when the Proving Test is completed.

- 3 Having established that the VI is working correctly carry out the testing required – if in doubt at any time use the Proving Unit to re-prove the correct functioning of the VI.
- 4 Having completed your test session **always** re-prove the VI used to ensure that the VI is still functioning correctly.

## Warning – Risk of Electric Shock

**The Proving Unit generates up to 690V so use caution and only operate in accordance with these instructions exercising due competence at all times.**

**Before use check the unit is free from moisture, grease and dust. If the unit requires cleaning use a soft dry cloth only.**

**Do not use if there is any damage to the Proving Unit or the VI under test.**

- 5 The only user replaceable parts are the batteries – 6 × AA alkaline required. Do not use rechargeable batteries. The batteries are accessed by removing the two screws at the rear of the cabinet – before removing the screws disconnect any testers from the Proving Unit.

Install 6 × AA alkaline batteries observing the correct polarity as indicated in the battery compartment. For maximum life use only good quality batteries.

**Do not** mix old and new batteries.

**Do not** incinerate old batteries as they may explode.

**Do not** dispose of old batteries in regular waste – follow local waste management instructions regarding disposal of batteries.

**Do** remove the batteries before final disposal of this product.

**Do** take precautions such as using disposable gloves if any batteries are leaking – battery electrolyte is corrosive – avoid contact with skin or eyes.