

Professional  
**Electrical Installation Tester**

**CLIPSAL**<sup>®</sup>

by Schneider Electric



**One tester,  
every installation**

## One tester, every installation

### Product Features

- Three-pin plug for socket testing.
- Optional test probes for lighting 493L.
- Dimensions: 220mm x 110mm x 45mm.
- Thermal plastic rubber protective cover.
- Complies with AS/NZS Standards: AS/NZS3300, AS/NZS3017, AS/NZS3260 (AS/NZS60950), AS/NZS3100, AS/NZS3350.1, AS/NZS61010.1 Category III.

### Product Benefits

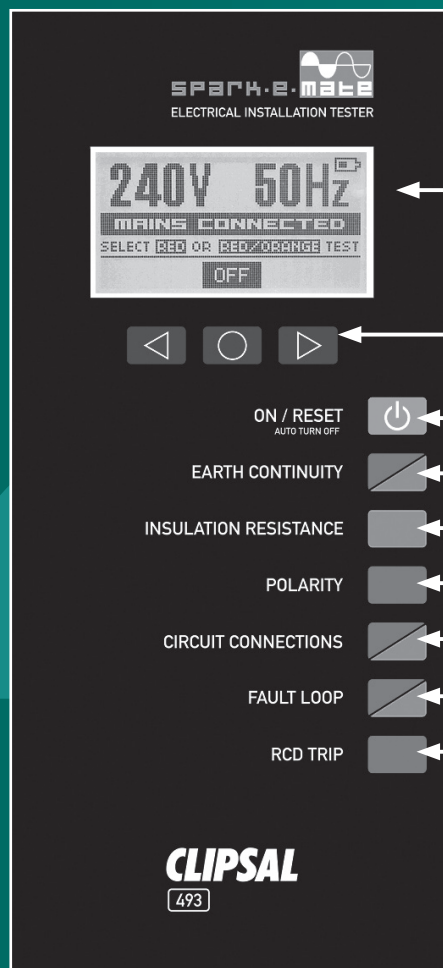
- One electrical installation tester that does the required AS/NZS3000 testing.
- Ensures every electrical installation is safe for your customers to use.
- The Spark-e-mate is perfect for all electrical contractors and electrical auditors.



### Installation testing made easy

Why waste your precious time finding the correct instrument to test installations? The Schneider Electric Spark-e-mate has you tested and covered. One instrument does it all!

The Schneider Electric Spark-e-mate performs comprehensive electrical wiring tests relevant to Australian and New Zealand Standards from socket outlets, to the switchboard.



Backlit graphical "liquid crystal display" (LCD) - displays instructions and test results

Menu buttons used to select voltage and current values, YES/NO actions and manual off

Turns on the tester and is used to reset after a test

Tests the Earth impedance

Tests the wiring insulation

Tests for no wiring transpositions

Tests for no shorts and safe Earth

Tests the Active to Earth loop

Tests RCD trip time and trip current

Cat No.	Description
<b>493</b>	Spark-e-mate electrical installation tester
<b>493L</b>	Optional test probes

### Spark-e-mate is easy to use

- 1 Plug into outlet or Active, Neutral and Earth
- 2 Select function
- 3 Record and report results



1 Plug into outlet or Active, Neutral and Earth



2 Select function

B U S I N E S S

Save time, **save money**



ation tester

## Schneider Electric's Spark-e-mate can test for:

### Earth Continuity

Is the Earth bonded to the Neutral properly? Is the Earthing conductor resistance low enough to permit the passage of current necessary to operate the over current protective device?

### Insulation Resistance

Is the resistance between all live conductors and Earth as high as it should be? (Tested using 250V d.c. or 500V d.c. selectable).

### Polarity

Is the Active and Neutral wired correctly? Are there no other transpositions?

### Correct Circuit Connections

Is the Earth connected and at a safe potential?

### Earth Fault Loop Impedance (without tripping RCDs)

Is the total loop resistance of the Active and Earth wires as low as it should be, so that protective devices will operate?

### Residual Current Device (Earth leakage detector or safety switch)

Does it really work and trip in time at the correct residual current from the power outlet?

### Extension Leads and Power Accessories

Test extension leads, power boards, double adaptors, etc.

### Supply Voltage

Is the mains supply within -6% and + 10% of the specified 230V a.c.? (Other voltages to order).

### Mains Frequency

Is it at 50Hz?

P R O F E S S I O N A L



## Electrical installation tester **typical results**

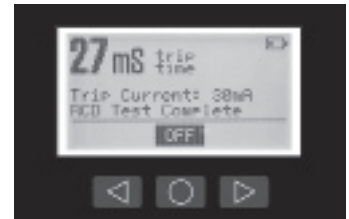
### Test

### Result



### Test

### Result



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