Multi-Function Electrical Tester

Spark-e-Mate

Electrical Installation Tester







Comprehensive electrical wiring tests

Installation testing made easy

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

The Clipsal Spark-e-Mate performs comprehensive electrical wiring tests relevant to Australian and New Zealand Standards from socket outlets to the switchboard.

Recording your verification results has never been easier. The 493BTL and 493BTLi Spark-e-Mates with *Bluetooth*[®] connectivity can save you even more time and money.

With a *Bluetooth*-enabled device, you can save, store and print reports for each installation, making accessibility to your original verification records simpler. Android and Apple devices are supported by the 493BTL and the 493BTLi respectively.

Features

- Three-pin plug for socket testing.
- Optional test probes for lighting (493L).
- Optional Bluetooth logging.
- 493BTL for Android devices.
- 493BTLi for Apple iOS devices.
- Dimensions: 220mm x 110mm x 45mm.
- Tough rubber protective cover.
- Optional three-phase adaptor for industrial applications.
- Complies with AS/NZS Standards: AS/NZS3017, AS/NZS3260 (AS/NZS60950), AS/NZS3100, AS/NZS3350.1, AS/NZS61010.1 Category IV 600V.
- Integrated testing for AS/NZS3003 Compliance for Electrical Installations in Hospitals

Benefits

- One electrical installation tester that does the required AS/NZS3000 testing.
- Ensures every electrical installation is safe for your customers to use.
- No need to maintain and calibrate multiple pieces of test equipment.
- Using the optional *Bluetooth*, faster test cycles with reports for each installation can be stored and emailed.



Confidence with electrical certificates of compliance





Plug into outlet or active, neutral and earth



Select function



3 Record and report results

Save time, save money

Clipsal'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 DC or 500V DC selectable).

Polarity

Are the active and neutral wires 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? (Includes advanced testing to AS/NZS3017:2007.)

Extension leads and power accessories

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

Supply voltage

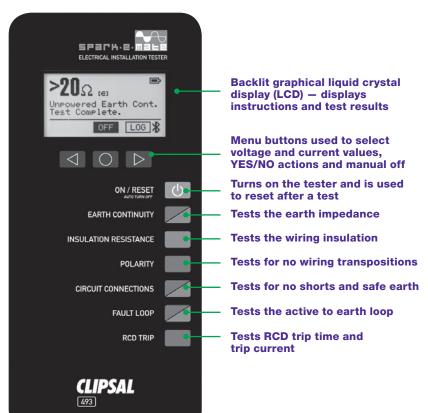
Is the mains supply within –6% and 10% of the specified 230V AC? (Other voltages to order.)

Mains frequency

Is it at 50Hz?

Three-phase circuits

Tests three-phase circuits for RCD trip, insulation resistance and fault loop with 493AD1050 three-phase adaptor.



"I bought my Spark-e-Mate with Bluetooth and thought I should tell you that it is a fantastic piece of equipment. The Spark-e-Mate takes so little time to commence testing that I reckon it has cut my testing down by over half.

Good job! I have been and will continue to voice my appreciation to my fellow electricians about Clipsal's Spark-e-Mate"

Lindsay Schafer, DML Electrical, Rockhampton, QLD

Electrical installation tester typical results



Product catalogue numbers

Catalogue number	Description
493	Spark-e-Mate Electrical Installation Tester
493L	Optional test probes
493BTL	Spark-e-Mate with <i>Bluetooth</i> for Android
493BTLK	Spark-e-Mate kit with <i>Bluetooth</i> and test leads for Android (kit not available in NZ)
493BTLi	Spark-e-Mate with <i>Bluetooth</i> for Apple iOS devices
493BTLKi	Spark-e-Mate kit with <i>Bluetooth</i> and leads for Apple iOS devices (kit not available in NZ)
493AD1050	Three-phase adaptor kit
493SB	Shoulder bag

Accessories



For more information about the Clipsal Spark-e-Mate, contact your local Clipsal and Schneider Electric Partner Business Representative, electrical wholesaler or visit clipsal.com

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