

... by using the **EVSE adapter A 1532**

The 18th Edition has changed the protection requirements against DC fault currents for electric vehicle charge points. There is the option of a “Type B” RCD, or a “Type A” RCD and appropriate equipment that ensures disconnection of the supply in case of a DC fault current above 6 mA” *

Only the EVSE adapter allows you to test any manufacturers charge point completely.

- Connects directly to charge points without opening the box.
- Connects like an electric vehicle connection; so tests the whole system.
- Simulates the electric vehicle status: all at the turn of a switch.
- Simple connection to the charge point via a type 2 EV plug, and to the tester using the BS1363 socket or all three phases can be accessed using standard 4 mm connections.
- The A 1532 can be used with any installation tester, however optimum performance is achieved with Metrel Multifunction Testers.

The government target of at least 20 million vehicle charge points installed before 2030 affords electrical installers with an enormous opportunity, and the on-going test and maintenance will be a difficult challenge for the industry.

Those who get in early, and by having the right, efficient equipment for testing these installations, will achieve significant business by gaining the competitive edge, building a reputation for a fast efficient service.

* ref 18th Edition 722.533.2.101

Other products of interest from Metrel

PAT testers

There is a full range of PAT testers from the simple hand-held MI 3311 GammaPAT, through the compact mains/battery-powered downloading MI 3309 DeltaPAT, to the range topping MI 3360 OmegaPAT tester which has additional applications in medical testing, and active testing of 3-phase devices such as welding equipment for service and repair. The range also includes production-line testers and high-energy type-testers for manufacturing plants.

Power quality analysers

The Metrel range of PQ analysers is very capable from the basic class S MI 2883 Energy Master to the 4 current/4 voltage input MI2885 Master Q4, to the class A MI 2893 Power Master that can analyse up to the 50th harmonic.

Multi-meters and clamps

It is not possible to encompass the vast range of professional quality, great value multi-meters and clamp-meters in a single sentence.

Call us for a catalogue!



Installing vehicle charge points?



How do you test them?

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 **METREL**®

The perfect combination with the **EVSE adapter** Touch-screen multifunction 18th Edition installation tester **MI 3152XC**

This advanced installation tester with touch-screen technology can perform all the tests required to comply with the 18th Edition, including the new 6mA DC test for Electric Vehicle Chargepoints.

It pairs perfectly with the A 1532 EVSE Adaptor for highly efficient testing any make of EV chargepoint.



- Testing made easier using the full colour, high resolution touch screen with built-in colour help display and fuse tables.
- Supports full 3-phase and single-phase testing, ideal for testing of domestic, commercial, medical and industrial installations and includes phase sequence indication.

- Auto sequence® gives predefined test routines to assist the operator, ensuring all the tests are completed and the results stored under one reference, reducing re-testing due to missing results.

- Accurate and consistent non-trip loop impedance with Triplock, with no reported RCD uplift, Display prospective fault current calculation simultaneously. Option to test line and loop impedance in a single measurement, so allowing PSCC and PFC to be calculated using "AUTO Z function."

- 50 V to 1000 V insulation test ranges, enabling a safety pre-check to be run to ensure there are no components in the circuit under test that may be damaged before using the higher certification voltage.

- 200 mA standard continuity test current for certification, with the option of using the 7 mA current setting to test the protective earth conductor continuity without tripping the RCD.

- The widest range of RCDs tests, including general and selective time-delayed, Type AC, Type A, Type F, Type B, Type MI (medical), Type EV (Electric Vehicle), PRCD (portable), PRCD-K (portable – specialist) and PRCD-s (time-delayed) can be tested with full Auto RCD and a ramp test nuisance tripping.

- Designed for testing standard Earthing systems and IT networks for special locations.

- Results storage and downloading.

- Full QWERTY keypad for referencing and note-taking.

- Rechargeable with batteries on-board.

- Complete with full earth-spike kit for 3-terminal earth spike testing.

- Supplied in a soft case, lead sets and download cables.

Other functions not normally found on multifunction testers:

- Testing of surge protection devices
- Power measurement and total harmonic distortion to the 12th harmonic
- Stake-less* earth electrode resistance testing
- Earth resistivity testing*
- Testing of insulation monitoring devices (IMDs) and first fault leakage current (IFSL) on IT systems
- Illumination*

* Requires an optional extra

For a more traditional approach to testing, the **EVSE adaptor** combined with the installation tester **MI 3125BT** is perfect!

This installation tester can perform all the tests required to comply with the 18th Edition, including the new 6mA DC test for Electric Vehicle Chargepoints. It also sits perfectly alongside the A 1532 EVSE Adaptor for testing any make of EV chargepoint.



- With built-in help screens, fuse tables and pass or fail indicator LEDs this is the tester for the toughest on-site work.

- Supports full 3-phase and single-phase testing, so it is ideal for testing domestic, commercial, and industrial installations, and includes phase sequence indication.

- Loop impedance with TripLock, with no RCD uplift ever reported,

- 50 V to 1000 V insulation test ranges mean a lower voltage test can be run to ensure there is no load on the circuit that may be damaged by the higher certification voltage.

- Standard 200 mA continuity current for certification, with the option of a 7 mA current to test the PE conductor without tripping the RCD.

- A wide range of RCDs tested including general and selective, Type AC, Type A, Type B and Type EV RCDs can be time-tested with auto RCD as well as current based ramp testing for nuisance tripping.

- Optional Earth Spike Test Kit for 3-terminal spike resistance measurement.

- Results storage and downloading.

- Highly functional Android app available for on-site report generation.

- Rechargeable with batteries on-board.

- Supplied in a soft case, lead sets and download cables.