

# Metrel MI3152 ES Multifunctional Tester Entry Kit

Product Images

Product Code: C72-9602



## Short Description

The MI 3152 EurotestXC is an instrument from the new generation of Metrel's multifunctional measuring

instruments. The already well known functions like complete installation safety testing according to IEC/EN 61557 and AUTO SEQUENCE testing of TN, TT and IT earthing systems are managed by a completely new user interface based on large colour touch screen display.

A wide range of functions are included: from on-line voltage monitoring, phase sequence testing, earth resistance measurement, illuminance measurement and TRMS current measurement up to RCD tests, line and loop impedance tests, earth resistance measurements as well as ISFL measurements and the IMD tests.

### Measuring Functions

- Insulation resistance with DC voltage from 50 V to 1000 V;
- Varistor test;
- Continuity of PE conductors with 200 mA DC test current with polarity change;
- Continuity of PE conductors with 7 mA test current without RCD tripping;
- Line/Loop impedance combined also in one function Z AUTO;
- Loop impedance with Trip Lock RCD function;
- TRMS voltage and frequency measurements;
- Phase sequence;
- Power and THD measurement (up to the 12th harmonic);
- RCD testing (general and selective, type AC, A, F, B, B+, MI RCD, EV RCD, PRCD, PRCD-K, PRCD-S);
- Earth resistance (3-wire and 2-clamps method);
- Specific earth resistance with Ro-adaptor (option);
- TRMS leakage and load currents (option);
- First fault leakage current (ISFL);
- Testing of Insulation Monitoring Devices (IMDs);
- Illumination (option);
- High resolution Loop impedance (mΩ) (option);
- EVSE AUTO SEQUENCES and function inspections;
- Determining location of cables (option);
- QR and/or barcode scanner support (option).

### Key Features

- Predefined Automatic tests:
  - Auto TT (U, Z<sub>ln</sub>, Z<sub>s</sub>, U<sub>c</sub>);
  - Auto TN/RCD (U, Z<sub>ln</sub>, Z<sub>s</sub>, R<sub>pe</sub>);
  - Auto TN (U, Z<sub>ln</sub>, Z<sub>lpe</sub>, R<sub>pe</sub>);
  - Auto IT (U, Z<sub>ln</sub>, I<sub>sc</sub>, I<sub>sfl</sub>, IMD).
- Built-in help screens for referencing on site.
- Built-in fuse tables for automatic evaluation of the line / loop impedance result.
- Monitoring of all 3 voltages in real-time.
- Automatic polarity reversal on continuity test.
- Automated RCD testing procedure.
- Built-in charger and rechargeable batteries as standard accessory.
- BT communication with PC, Android tablets and smart phones via built-in BT.
- PC SW Metrel ES Manager for creation of test structures and uploading, downloading of test results and report creation.
- Support for aMESM Android APP, data management tool (option).

## Kit Contents

- Instrument MI 3152 EurotestXC
- Test lead, 3 x 1.5 m
- Power supply adapter
- 6 NiMH rechargeable batteries, type AA
- Test probe, 3 pcs (blue, brown, green)
- Crocodile clip, 3 pcs (blue, brown, green)
- RS232 - PS/2 cable
- USB cable
- Soft carrying bag
- Soft carrying neck belt
- Short instruction manual
- Instruction manual on CD
- Handbook on CD
- Calibration certificate

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Line/Loop impedance combined also in one function Z AUTO;

Loop impedance with Trip Lock RCD function;

TRMS voltage and frequency measurements;

Phase sequence;

Power and THD measurement (up to the 12th harmonic);

RCD testing (general and selective, type AC, A, F, B, B+, MI RCD, EV RCD, PRCD, PRCD-K, PRCD-S);

Earth resistance (3-wire and 2-clamps method);

Specific earth resistance with Ro-adapter (option);

TRMS leakage and load currents (option);

First fault leakage current (ISFL);

Testing of Insulation Monitoring Devices (IMDs);

Illumination (option);  
High resolution Loop impedance (mΩ) (option);  
EVSE AUTO SEQUENCES and function inspections;  
Determining location of cables (option);  
QR and/or barcode scanner support (option).

### Key Features

Predefined Automatic tests:

- Auto TT (U, ZIn, Zs, Uc);
- Auto TN/RCD (U, ZIn, Zs, Rpe);
- Auto TN (U, ZIn, Zlpe, Rpe);
- Auto IT (U, ZIn, Isc, Isfl, IMD).

Built-in help screens for referencing on site.

Built-in fuse tables for automatic evaluation of the line / loop impedance result.

Monitoring of all 3 voltages in real-time.

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