

General overview of **MI 3155 EurotestXD** multifunctional installation tester



The field of electrical safety testing, especially the portion pertaining to electrical installations, is subject to continuous changes, from both technological and legal perspective. This creates lingering anxiety and need for self-improvement and constant education for safety inspectors and electrical engineers, which have to depend on their equipment to give them accurate results in even the most demanding working conditions.

Another important aspect is versatility and upgradeability of said testing/measuring equipment since a growing number of electrical safety practices call for testing of mutually supportive (sub)systems that transcend the framework and requirements of electrical installation safety testing. Support for a myriad of specialized accessories is therefore a necessity as is the upgradeability of base hardware platform through firmware updates, providing greater working flexibility and cost-efficiency for the user (no need to buy new equipment).

Our answer to these diverse requirements is the MI 3155 EurotestXD multifunctional installations tester. It offers the same all-in-one technical solution for virtually all electrical installation safety testing needs like other representatives of Eurotest line of testers, but combined with unprecedented time and cost saving integrated solutions and versatility. The MI 3155 EurotestXD provides the user with a comprehensive tool for testing/measuring/analysing electrical installation safety and general parameters. That includes but is not limited to testing of EVSE (Electrical Vehicle Supply Equipment) charging stations that are rapidly becoming the norm in Western countries and elsewhere and analysing insulation properties of electrical machines (in a similar manner as dedicated insulation/high voltage testing devices).



Short overview of some of the most important features of MI 3155 EurotestXD:

- Large colour touch screen (intuitive operation and clear data presentation)
- Over 40 single tests (ranging from basic voltage, current measurements to illumination and phase sequence measurements)
- Pre-defined, programmable and user-created AUTO SEQUENCE®s (streamlined, time and cost-saving automated testing/measuring sequences)
- Built-in help menus (for easy reference about proper measuring/testing procedure when in the field)
- Four-wire live transformer's impedance measurement (precise measurement on an energized transformer)
- Insulation resistance measurements (with DC voltages ranging from 50 V to 2500 V)
- Power and THD (total harmonic distortion) measurements (easy power quality analysis)
- EVSE testing (insuring electrical safety of charging stations and charging accessories for electric vehicles)
- Bluetooth connectivity with a PC, smartphone, tablet and assorted wireless accessories (easy data transfer and remote control)



In short and put in more layman's terms, the MI 3155 EurotestXD can do anything any other high-end electrical installation safety tester can do, but with additional functionalities of instruments of other product groups (like HV insulation testers and power quality analysers). This represents another step on the part of Metrel towards designing comprehensive technological solutions that reflect the rapidly evolving interdisciplinary nature of electrical safety testing.

Part of these efforts and consequently part of MI 3155 EurotestXD solution package are dedicated PC software and (Android) app for smartphones and tablets, such as the MESM (Metrel Electrical Safety Manager) PC software and the A 1522 aMESM (Android Metrel Electrical Safety Manager) app. Both are subject to constant updates and general improvements, with the MESM fast becoming a multi-testing application software platform, supporting not just (multifunctional) electrical installation testers, but also machine/PAT testers and earth and transformer analysers.



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