

Megger MFT1741+BS Multifunction Tester

Product Images

Product Code: C72-2510



Short Description

The MFT1741+ multifunction tester is an instrument designed for testing low voltage electrical installations and especially in locations that suffer from high electrical noise. It provides all the tests required to complete the necessary electrical certification for industrial, commercial and domestic fixed wiring installations, and includes:

TRMS System voltage and frequency measurement

„Insulation test at 100 V, 250 V, 500 V and 1000 V
Including input protection against live circuits up to 600 V even when insulation test is locked-on

Continuity resistance at 200 mA or 15 mA

Automatic start - no need to press TEST so leaving both hands free to hold probes

„Resistance range up to 100 kΩ with fast continuity buzzer at selectable thresholds

„Earth loop impedance testing with:

- New 3 wire non-trip technology
- New confidence meter measurement
- 2 and 3 wire non-trip range
- 2 wire Hi current including phase to phase
- Prospective fault current measurement up to 20 kA

„ RCD testing including:

- Type ac, A, S, B and programmable RCDs
- Testing of Electric Vehicle Charge Points RCD's*
- 3-phase RCDs
- Auto-test routine
- EV Charge Point RCD Testing

Earth spike testing

- 2-pole/3-pole*, ART* and Stake-less* techniques

* With appropriate optional accessories.

New Loop Impedance testing technology:

The MFT1741+ includes a new non-trip loop testing technology that:

„Prevents any influence the RCD may present to the total loop impedance value.

„Faster non-trip loop testing down to 8 seconds.

This technique also allows testing of loop impedance through 10mA type ac and Type A RCDs.

New “Confidence meter*” measurement analysis (Patent pending)

Overlaying the new non-trip loop impedance measurement is the new Megger “Confidence meter”. As loop impedance values can be dramatically affected by circuit noise, the Confidence Meter displays the degree of confidence in the accuracy of the measured loop impedance. Using the digital ARC to indicate the analytical process, the measurement is continually monitored and adjusted when circuit noise is present, resulting in a dramatically improved and repeatable test result.

New electric vehicle charge point testing

The MFT1741+ includes an automatic EV Charge Point RCD test sequence, including the 6 mA dc test*. Test results can be reviewed or saved to memory and reviewed later

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Please see datasheet for full specifications