MX 531

ELECTRIC SOCKET TESTER
EARTH & 30 mA RCD TESTS



MX 5 "3-in-1" for 2P+E sockets

PRACTICAL: Totally autonomous (no battery needed) with immediate display without adjustments or selection of a position

CLEVER: A tester suitable for any socket configuration with its rotating head and compact size

INDISPENSABLE: se on 2P+E sockets with verification of the connection of the line, neutral and earth conductors.

QUICK & EASY: Instantaneous display on the two-colour LCD screen facilitating interpretation of the measures according to the conformity of the installation.

EFFECTIVE:

- Measures the voltage and displays the connection configuration
- Measures the earth without tripping any RCDs : < 15 mA
- A test button to trip the 30 mAAC RCD with the display held for 7 s



300 V CAT III | IEC 61557-3 | IEC 61557-6 | IEC 61010-2-030

Measure up



A 3-in-1 tester which interfaces with any socket in electrical installations using a TT earthing system

1. Voltage measurement and verifications of the conductor positions
2. RE earth resistance measurement
3. 30 mA_{AC} RCD operation test

Portable, ultra-compact and lightweight, the MX 531 fits comfortably in one hand and is plugged directly into the socket. It quickly detects the earth resistance by no-trip measurement and checks the connections of the line, neutral and earth conductors in a TT system. The 30mA trip checks that there is an RCD connected to the power socket.

MX 531

RE earth resistance	3 to 1,999 Ω
Autoranging	3 to 199.9 Ω and 180 Ω to 1,999 Ω
Resolution	0.1 / 1 Ω
Accuracy	+/-(3% of reading + 5D)
RE error / earth fault	Red screen display
Protection / Overload rating	300V CAT III
Voltage	100 to 400 V
Line-to-neutral voltage	100 to 420 V-50/60Hz – indication of L/N inversion – if <195 V or >253 V: fault
Resolution	1V
Accuracy	+/- (2% + 1D)
Line-to-earth voltage	195 V to 253 V, 50/60 Hz
Indication of position	Line, neutral and earth
30mA_{AC} RCD	Test if RE correct
Rating	30 mA and time <200 ms
Conditions	230 V line and neutral, current 30mA 0% and +6%, time +/-4ms

GENERAL SPECIFICATIONS

Display	Two-colour blue / red backlit LCD, 46x50 mm, 2,000 counts
Socket	2P +E -Types E and F Rotating plug -90°/+180°
Safety	EN61010-2-030, pollution degree 2, CAT III-300 V
Operating temperature	-10 to +45°C
Standards	Test as per IEC/EN 61557-1 -3 and 6 – EMC as per IEC 61236-1
Dimensions / Weight / IP	185X65X53 mm / 230 g +/-50 g / IP40

The MX 531 earth tester is reliable is reliable, simple and accurate with a resolution as fine as 0.1 Ω.
Once the instrument has been connected correctly (earth present, 230 V supply, phase right or phase left), the earth resistance value is displayed instantaneously in the lower part of the 3-digit LCD screen.
As soon as the MX 531 is connected to a 2P+E 10/16 A socket, it instantaneously displays the socket's connection status, taking advantage of the top-quality backlit LCD screen.
The display changes colour according to the conformity of the installation: if the installation complies with the standards, the display turns blue, but it changes to red if there is a fault or a problem with the earth connection.

A pictogram of the socket on the display makes it easy to:

- check the connection to the earth RE (the display turns red with a special pictogram if no earth is present)
- identify the phase position: a pictogram warns you if there is L/N or L/PE inversion
- check the conformity of the 230 V mains voltage (red display if connection between phases, RE> 100 Ω or > 2000 Ω or > 253 V)
- from 3 to 99 Ω, the screen background colour is blue (less than the 100 Ω threshold stipulated by NF C 15-100)
- From 100 à 1999 Ω, the screen background is red
- 30 mA RCD test by pressing the TEST button, with display hold for 7 seconds

☑OK ☒Not ok

STATE AT DELIVERY AND REFERENCE

MX 531 **MX0531**
EARTH RCD30mA
Equipped with a wrist strap, bag and user's manual on paper





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