

VT11

Socket and Earth Leakage Tester

User's manual



Multimetrix®
<http://www.multimetrix.fr>
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N : Neutral
 P (or L) : Phase
 E (or PE) : Earth

ENGLISH

The VT11 lets you test 2P+E sockets with TT earthing and residual current devices up to 30 mA

Precautions for use

Do not use this device as a voltage tester.
 At the end of a test, disconnect the tester.
 Do not connect the tester if it is damaged.
 This tester cannot distinguish the earth wire from the neutral wire.
 If you use this tester other than as specified, the protection it provides may be compromised, endangering you.
 Observe the environmental and storage conditions.
 This self-contained portable tester is designed for use:

- indoors
- in an environment of pollution degree 2,
- at an altitude of less than 2000 m,
- at a temperature between 0°C and 40°C.

It can be used on category II 230 V installations.

Measurement (or overvoltage, or installation) categories

Definitions of the overvoltage categories taken from standards IEC 61010-1 Ed. 3 (2010), IEC 60364, and IEC 60664-1:

- CAT I:** Measurements performed on circuits not directly connected to mains, such as specially protected mains-derived circuits.
- CAT II:** Measurements performed on circuits directly connected to the low-voltage installation. Examples: measurements on household electrical appliances or portable tools.
- CAT III:** Measurements performed on supply circuits in a building installation, such as distribution boards, circuit-breakers, and fixed installations.
- CAT IV:** Measurements performed at the source of the low-voltage installation, such as primary overcurrent protection devices, ripple control units, and meters.

Symbols

	Attention: risk of danger Refer to this document and observe the precautions for use.
	Indoor use only.
	In the European Union, this product is subject to selective collection for the recycling of waste electrical and electronic equipment in accordance with directive WEEE 2002/96/EC.
	European Conformity.
	The tactile contact must be made by an operator who is not insulated with respect to earth.

Cleaning

Clean the device with a damp cloth and soap. Never use abrasive substances or solvents.

Make sure that the device is dry before using it once again.

Warranty

The equipment is warranted against defects of materials or workmanship as stated in the general terms of sale.

During the warranty period (1 year), the manufacturer reserves the right to choose between repair and complete or partial replacement of the device.

If the equipment is returned to the manufacturer, carriage is to be paid by the customer.

The warranty does not apply following:

- inappropriate use of the equipment.
- changes made to the device.
- damage caused by impacts, falls, or immersion.

Instructions for use

Testing a 2P+E socket

- 1 - Insert the device in a 10-16 A mains socket
- 2 - Check the sequence on the indicators.
- 3 - If a fault sequence is displayed, correct the fault, then retest

○ indicator off ⊙ indicator on

Status / Indication	N	PE	L	⚠
⊙ Wiring OK, phase to right	○	⊙	⊙	
⊙ Earth missing	○	⊙	○	⚠
⊙ Phase missing	○	○	○	
⊙ Neutral missing	○	○	⊙	
⊙ Reversal of phase and neutral	⊙	⊙	○	
⊙ Reversal of phase and earth	⊙	○	⊙	⚠
⊙ Reversal of phase and earth and earth missing	⊙	⊙	⊙	⚠

- 4 - Place your finger on the contact marked "PE test".

If the screen displays the the earth conductor is live and there is a DANGER. Stop the test and check the installation.

Note: The VT11 cannot detect a reversal of the Neutral (N) and Earth (E)

Testing a residual current device (30 mA or less)

- Test the 2P+E socket (see previous section) and correct any fault.
- Test by pressing the pushbutton briefly (not more than 3 seconds).
- If the RCD does not trip, it is defective.

Technical characteristics

Rated voltage:	230 V
Frequency range:	50/60 Hz
Differential sensitivity:	30 mA
Overvoltage protection:	300 VAC/VDC
Temperature range:	0-40°C
Relative humidity:	< 80 %
Dimensions:	78 x 72 x 79
Mass:	+/- 70 g
Safety:	IEC 61010 300 V CAT II