

Voltage detectors

Voltage detectors accessories

Insulation tester

Installation testers identifier

Multimeter clamp-meter

Infrared Thermometer

CATEX™ NG DT-170 RCDs (Residual Current Devices) tester

The main function of the DT-170 is to test and measure the trip values of RCDs (Residual Differential Devices):

- in trip time (expressed in ms) or
- in trip current value (expressed in mA).

This enables 10mA / 30mA / 300mA and 500mA differential circuit breakers to be tested irrespective of their type (normal or delayed S).

The backlight, dual colour screen immediately informs you whether the values measured are compliant (blue) or not compliant (red). To make your testing missions easier, the DT-170 can be used directly on 2P-T sockets.

Selection of the differential type and measurement type:

Before testing an RD, you must select the characteristics on the display (sensitivity, delayed or not) together with the type of test that you are required to perform (trip time or current). Comment: The selection can be made with the appliance unconnected (switch on the appliance in this case) or connected to the socket (the appliance then switches on automatically).

- Selecting the RCD sensibility:

- Normal/Delayed selection:

- Selecting 0∞ or 180∞∞∞

- Selecting the type of test (current or time).

The digital result is shown and the backlighting:

- stays blue if the result is correct

- goes to red if the values are not compliant

This comprehensive appliance can also be used to test the conformity of the network (*Caution, CATEX NG is not a voltage detector), to indicate the phase and to test the connection of the earthing conductor.

Technical characteristics

- 3-digit measurement display
- Operates on a TT neutral and TN system
- Operating voltage: 230 V (Ph/N)-10/+6% 50/60 Hz
- Operating temperature: -15°C/+45°C
- Storage temperature: -25°C/+45°C
- IP40
- Cat III 600 V

- Double insulation
- 7.2 V, 110 mA/H Ni-MH battery
- IEC 61010-1
- IEC 61557-6 NF EN 61557-6
- IEC 61236 (EMC)

Locking and warning signals for 400 V network voltage and contact potential >50V

CEI 61 010-1
NF EN 61557-6

CE



"On" and selection button

Selection buttons

Test button



Example of trip time value measure



Example of 400 V tension between phases

DT-170 Dimensions: 71 x 210 x 51 mm
Weight: 360 g



Control over board with M-952271



M-952271

ACCESSORIES

M-952271 Lead set for checks on L.V distribution board (for DT-110/DT-150/DT-300 only)

M-881954 Socket adaptor UK



Example of trip current value measure

Earth and continuity loop controllers CATOHM™

TT network

The CATOHM earth and continuity loop controller enables:

- checking electrical resistance level of local earth socket, indicating by LCD display:
 - back lighting blue (1) if the value is above 100 Ω
 - back lighting red (3) if the value is
 - uper than 100 Ω
 - incorrect voltage (2)
 - earth not corrected (2)
- checking the presence and level of voltage at the connection terminals of a live 10/16 A socket,
- checking the integrity of the earth circuit (continuity < 2 Ω), correct polarity (position of the phase and the neutral is indicated),
- checking electrical continuity of metal masses.

Operating voltage: 230V - 10% / + 6%

Frequency: 50/60 Hz

Temperature of use: -15°C/+45°C

IP 40

Fuse protection: 2 fuses 5 x 20 mm,

160 mA, (delayed fuse).

Class II category III

Delivered with wound-up extension.

Weight: 0.340 kg.

Dimensions: 71 x 210 x 51 mm.

IEC 61010-1

EN 61557-4

CE



Figure 1



Figure 2



Figure 3



DT-300

DT-300

For use on schuko socket

ACCESSORIES

M-87-292

Storage bag

M-92-2271

Lead set for checks on LV distribution board (for DT-110/DT-150/DT-300 only)

M-95-1143

Small 2 parts pole for working at a distance - 0.8 m

M-92-1647

Wound-up extension



Figure 4



M-87292



M-92-1647



M-952271



M-951143