EARTH and CONTINUITY TESTER
DT-300



DESCRIPTION

The DT-300 earth tester enables you to perform the following operations:

- Measure of the earth resistance
- Locate the position of the live pin (right or left), check the earth connection
- Check for 230 V (or abnormal voltage)
- Check continuity (earth conductor, main and local equipotential connections)

COMPOSITION

- 1 earth loop controller
- 1 winder with 7m cable
- 1 use instruction.
- Delivered in blister pack

CARACTERISTIQUES

- Testing the local earth employs the " fault loop" principle. It applies to TT (EE) type installations
- Digital display 3 ½ digits , from 0 to1999 Ω
- Accuracy : ± (3% + 1 digit) for pure resistance (range 0 - 200 Ω at 23°C ± 5°C)
- Operating voltage: 230 V (Ph/N) –10%/+6%
- Operating frequency : 50/60 Hz
- CEI 61010-1
- EN 61557-4
- Installation category: III.
- Class 2
- IP 40, IK 06
- Operating frequency : -15°C /+45°C
- Weight: 340 g.(unit alone)
- Dimensions of unit: 71 mm x 210 mm x 51 mm

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FONCTIONING

Measure of the earth

After connecting the unit to a 2P+E socket, the earth resistance is displayed.
Standard requires a value less than 100Ω.
If the earth value is under this limit, the backlight is in blue, if the value is above 100Ω, the screen turns red



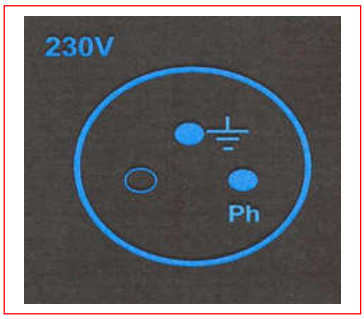
« good » value



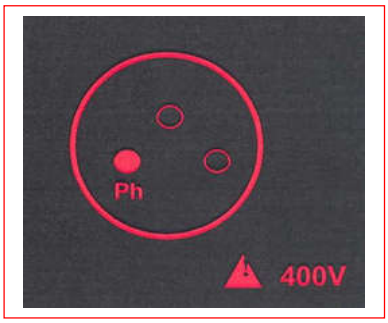
« bad » value

Socket's representation :

A pictogram represents the base of the sockets and indicates the position of the live pin (right or left) .The connection to an earth is also represented (dispayed for any earth<2000Ω)



Earth connected
Phase on right
230 V



Earth not connected
Phase on left
Incorrect voltage

Continuity test

In this test, the winder must be connected to the unit
Continuity lower than 2**Ω** is indicated by a continuous audible signal
According to EN 61557-4 the measurement is made under a current of 200mA

COMPOSITION





UTILISATION





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