

FUNCTIONS

Differential Tester

The main function of the tester is to test and measure the trip values of ELCB / RCD (Residual Current Devices):

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

This enables 10mA / 30mA / 100mA / 300mA / 500mA and 1000mA differential circuit breakers to be tested irrespective of their type (normal or delayed).

This comprehensive appliance can also be used to test the conformity of the network and the connection of the earthing conductor.

WIRES STATE TEST

- 1) Link the test line
- 2) Check the wires state :

Before pressing the "Test" button, check for the following conditions as displayed on the screen by the device :

Wiring Condition	Display Indication
	N G H
Correct Wiring	● ● ●
No Ground	● ○ ●
Polarity Reversal	⊠ ● ⊠
Open/Hot Neutral	○ ○ ○
Legend :	● On ○ Off ⊠ Flashing

If the wiring condition is other than normal, the Test is limited on its measurements that can be performed. If a no ground condition exists, only the line voltage measurements are available.

TECHNICAL CHARACTERISTICS

- 3-digit measurement display
- N or S (delayed) type RCD test, - AC or A (continuous component detection)
- Operates on TT neutral and TN system
- Operating voltage : 230V (Ph/N) – 10/+6% 50/60 Hz



Measurement specifications	Ranges	Resolution	Accuracy
Nominal test current	10/30/100/500mA/1A		(-2%+10%) + 6Digits
Current selection	0.5x, 1x, 2x, 5x nominal current		
Trip time	10-2000 ms at 0.5x	1ms	±(2%rdg.+2Digits)
	10-500 ms at 1x		
	10-150 ms at 2x		
	10-40 ms at 5x		
Ramp test	0.4x to 1.4 times nominal rated current		10%
Mains voltage	230 (+10%/-10%) V	1v	±(2%rdg.+2Digits)

- Cat III 600V
- Double insulation
- IEC 61010-1
- IEC 61557-6 NF EN 61557-6
- IEC 61236 (EMC)
- Locking and warning signals for 400V network voltage and contact potential >50V
- Operating temperature: -15°C / +45°C
- Storage temperature: -25°C / +70°C
- IP40
- Resistance to mechanical shock :1J
- Weight : 700g
- Dimensions: W = 92mm, L= 200mm, H = 50mm
- Six 1.5V 'AA' batteries