



FULLTEST3

Rel. 1.03 of 11/11/14

Professional meter for safety tests on device/switchboards

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Global earth resistance without RCDs tripping

I _{dn} (mA)	Measure range (Ω)	Resolution (Ω)	Accuracy	Overload protection
10	0 ÷ 1999	1	$\pm(3.0\% \text{rdg} + 1\Omega)$	CAT III 300V
30	0.0 ÷ 99.9	0.1		
	100 ÷ 1999	1		
100	0.0 ÷ 99.9	0.1		
	100 ÷ 999	1		
300	0.0 ÷ 99.9	0.1		
	100 ÷ 299	1		
500	0.0 ÷ 99.9	0.1		
	100 ÷ 199	1		
650	0.0 ÷ 99.9	0.1		
	100 ÷ 149	1		
1000	0.0 ÷ 99.9	0.1		

Test current: I_{dn}/2

P-N, P-PE / P-PP voltage: 100 ÷ 265V, 50/60Hz

Mains nominal voltage: 230V or 240V

Contact voltage

Range (V)	Resolution (V)	Accuracy	Overload protection
0 ÷ 100 (U _{tl} = 50V)	1	$\pm(3\% \text{rdg} + 3V)$	CAT III 300V
0 ÷ 50 (U _{tl} = 25V)			

Phase sequence rotation test

Range (V)	Frequency	Overload protection
360 ÷ 460	50Hz/60Hz ±0.5Hz	CAT III 300V

Indication of test: 1.2.3. (correct), 2.1.3. (incorrect), 1.1.X (not defined)



2. GENERAL SPECIFICATIONS

POWER SUPPLY:

Main voltage: 207V ÷ 253V AC - 50/60Hz ±5%
Absorbed current: 16Amax

MECHANICAL SPECIFICATIONS:

Dimensions (L x W x H): 400 x 300 x 170mm
Weight: 15kg

MEMORY AND INPUT/OUTPUT INTERFACES

Internal memory: 999 locations (three levels structure)
PC interface: USB type "B"
Keyboard, printer, pen drive, barcode: 2 x USB type "A"
Warning lamp: for Dielectric test
Keyboard for remote controls START/STOP/SAVE keys
Bluetooth interface connection to mobile devices

ENVIRONMENTAL CONDITIONS:

Reference temperature: 23°C ± 5°C
Working temperature: 0° ÷ 40°C
Working humidity: <80%HR
Storage temperature: -10 ÷ 60°C
Storage humidity: <80%HR

REFERENCE GUIDELINES

Safety tests machines/switchboards/devices: IEC/EN60204-1:2006 ; IEC/EN61439-1; IEC/EN60335-1
Literature: IEC/EN61187
Instrument: IEC/EN61557-1-2-3-4-6-13-14

GENERAL CHARACTERISTICS:

Display : TFT, LCD, color 4.3" with capacitive touch screen
Instrument safety: IEC/EN61010-1
Insulation: double insulation
Pollution degree: 2
Measurement category: CAT II 300V (I, Leak, Power), CAT III 300V (other tests)
Max. height of use: 2000m
Mechanical protection: IP40
Input protections: Fuses T16/250V, FF12.5A/500V, F20A/500V

This instrument complies with the requirements of the European Low Voltage Directives 2006/95/EEC (LVD) and EMC 2004/108/EEC