

Specifications

DIELECTRIC

Nominal test voltage (50 Hz)*	1000 V	1250 V	1500 V
Triggering current	1, 3, 5, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 150, 200, 250, 300, 350, 400, 450, 500 mA	1, 3, 5, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 150, 200, 250, 300, 350, 400 mA	1, 3, 5, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 150, 200, 250, 300, 333 mA

* Test voltage greater than 1000, 1250 or 1500 V / 50 Hz at a voltage $U_{\text{mains}} = 230 \text{ V}$ and a power $P_{\text{load}} = 500 \text{ VA}$

Display	Test voltage	Test current (sinusoidal)	
Range	0...2.00 kV	0...199.9 mA	200...500 mA
Resolution	10 V	0.1 mA	1 mA
Accuracy	$\pm(2\% L + 20 \text{ V})$	$\pm(2\% L + 0.3 \text{ mA})^*$	

* $\pm(2\% \text{ rdg} + 0.5 \text{ mA})$ if triggering current set to 30, 40, 50, 60, 70, 80, 90 or 100 mA and $\pm(2\% \text{ rdg} + 2 \text{ mA})$ on 150, 200, 250, 300, 330, 350, 400, 450 or 500 mA

- Display of the character of the test current : resistive, capacitive or absolute value
- Timer : without or adjustable from 1 s to 5 min

INSULATION RESISTANCE

Display	Insulation resistance				Test voltage
Range *	0...1.999 M Ω	2.00...19.99 M Ω	20.0...199.9 M Ω	200...500 M Ω	0...1200 V
Resolution	1 k Ω	10 k Ω	100 k Ω	1 M Ω	1 V
Accuracy	$\pm(2\% L + 2 \text{ pt})$				$\pm 10\% L$

* automatic ranges

- Rated voltage : 500 or 1000 V ...
- Measurement current : 1 mA min
- Measurement with or without adjustable threshold value (0.2...500 M Ω)
- Timer : without or adjustable from 2 s to 10 min

CONTINUITY

Display	Voltage drop (ΔU)	Resistance (R_{10A}) *		Test voltage	Test current	
Range	0...10 V	0...999 m Ω	1.00...1.99 Ω	0...12 V	0...9.99 A	10.0...25.0 A
Resolution	0.01 V	1 m Ω	10 m Ω	0.01 V	0.01 A	0.1 A
Accuracy	$\pm(2\% L + 0.02 \text{ V})$	$\pm(2\% L + 2 \text{ m}\Omega)$	$\pm 5\% L$	$\pm(2\% L + 0.02 \text{ V})$	$\pm(5\% L + 2 \text{ pt})$	$\pm 3\% L$

* automatic ranges

- Voltage drops (ΔU) max pre-set, depending on the cross section of the cable :

Cross-section of the cable tested	0,5 mm ²	0,75 mm ²	1 mm ²	1,5 mm ²	2,5 mm ²	4 mm ²	6 mm ²
Max voltage drop	5 V	5 V	3.3 V	2.6 V	1.9 V	1.4 V	1.0 V

- Measurement of low resistance (R_{10A}) with or without adjustable threshold value (10...2000 m Ω)
- Max output voltage : 12 V~
- Timer : without or adjustable from 1 to 15 s
- Measurement current (0...0.5 Ω) : > 10 A ~
- Connection system : 4-wire

DISCHARGE TIME

Display	Discharge time
Range	0...10 s
Resolution	0.1 s
Accuracy	$\pm(2\% L + 0.2 \text{ s})$

- Level of safety voltage : 60 V
- Automatic threshold of discharge time :
1 s at the power supply terminals (2 point measurement)
5 s at the internal components (4 point measurement)
- Max service voltage: 600 V AC/DC

GENERAL SPECIFICATIONS

- Mains voltage : 230 V / 50 Hz
- Max power absorbed : 600 VA
- LCD screen : dot matrix 128 x 64 with permanent backlighting and adjustable contrast
- Interface : RS232
- Memories : 999 values
- Remote control signals : On / Off and Record
- Working temperature : 0...50°C

- Working humidity : 85% RH max (0...+40°C)
- Dimensions (W x D x H) : 400 x 260 x 250 mm
- Weight : 11 kg
- Protection index : IP 40 (open) IP 54 (closed)
- Protection of measurement circuits : by HBC fuses
- Electrical safety : IEC 1010-1 Cat III 600 V

Applicable standards :

- EN 60204-1 " Test of electric machines "
- VDE 104 " Installation and operation of electric test equipment "
- EN 61180-1 and -2 " High voltage test techniques for low voltage equipment "