

數位絕緣阻抗計

DIGITAL INSULATION TESTERS

特點

- 寬廣型液晶顯示器(68mm x 34mm)，容易識讀
- 絕緣阻抗三檔量測電壓：250V、500V、1000V
- 量測絕緣阻抗推動電流不小於1mA
- 外來電壓有LED亮燈指示
- 自動放電功能
- 保險絲保護
- 符合IEC/EN 61010-1 CAT III 600V
- 符合英國第16版本(BS 16th)



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電氣規格(23±5°C ≤ 80%RH)

絕緣阻抗(MΩ)

量測檔位	250V	500V	1000V
量測範圍	0-200MΩ		0-2000MΩ
解析度	0.1MΩ		1MΩ
量測電壓最大容許	額定電壓+10%		
量測推動電流	1mA 直流電流		
準確度	±(1.5%讀值+5 位數)		0-1000MΩ : ±(3%讀值+3 位數) 1000-2000MΩ : ±(5%讀值+3 位數)

導通測試(Ω)

量測檔位	0-20Ω	0-2KΩ
解析度	0.01Ω	1Ω
準確度	±(1.5%讀值+5 位數)	±(1.5%讀值+3 位數)
蜂鳴器響應	低於 10Ω	
短路電流	210mA 直流電流	

交流電壓(ACV)

量測範圍	0-600V(40-120Hz)
準確度	±(1.5%讀值+3 位數)

一般敘述

液晶顯示器	3 1/2 位 (最大顯示 1999)
使用電池	1.5V(SUM-3)*8(顆)
外形尺寸	170(長)*165(寬)*92(高)公厘
重量	約 1040 克(含電池)
附件	測試線*1(組) 說明書*1(本) 肩帶*1(條) 保險絲(1A,250V)*1(支) 電池

DIGITAL INSULATION TESTER (1kV below)



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WHY TEST IS NECESSARY?

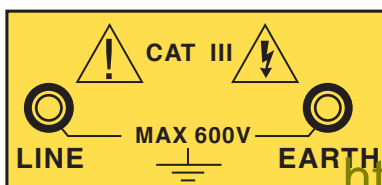
Insulation

Every electrical apparatus and installation need to be safe for the user and for the equipment itself. Electrical conductors of electricity need to be insulated from each other, so that they do not create electrical hazard or unnecessary consumption. Bad insulated circuits can create leakage current which can be dangerous and trip your GFCI, RCCB or ELCB. Each country regulates those levels at which the insulation is acceptable. Generally, Insulation resistance measurement should be done between each conductor and the earth, and between each conductors.

Continuity

Checking the continuity of wires, complete circuits, connections, closure of contacts, circuit breakers, fuses, bounding resistance of connections, etc... are all very important.

Test Leads Connections



FEATURES

- A LCD indicated instrument for insulation ($M\Omega$), continuity(Ω) and AC Voltage.
- Three insulation test voltage (DC): 250V, 500V, 1000V.
- 3-1/2 digital LCD (2000 counts).
- 68 x 34mm large LCD display.
- Test insulation at rated voltage into a 1mA load.
- 200mA short circuit continuity current.
- External voltage warning indication.
- Automatic circuit discharge.
- Fuse protection.
- IEC/EN 61010-1 CAT III 600V
- BS 16th edition.

SPECIFICATIONS

Insulation Resistance

Test range (DC V)	250V	500V	1000V
Measuring Ranges	0-200M Ω		0-2000M Ω
Resolution	1 count/100K Ω		1 count/1M Ω
Output Voltage on Open Circuit	Rated test Voltage +10%		
Output Current	1mA DC		
Power Consumption	Max. consumption current Approx. 250mA		
Accuracy	$\pm 1.5\%rdg \pm 5dgt$		$\pm(3\%rdg + 3dgt)$ (under 1G Ω /2000M Ω) $\pm(5\%rdg + 3dgt)$ (under 2G Ω /2000M Ω)

Continuity

Measuring Ranges	0-20 Ω	0-2k Ω
Resolution	0.01 Ω	1 Ω
Accuracy	$\pm(1.5\%rdg + 5dgt)$	$\pm(1.5\%rdg + 3dgt)$
Buzzer Sound Below	Under 10 Ω	_____
Open Circuit Terminal Voltage	4V DC min	
Short Circuit Terminal Current	210mA DC min.	
Power Consumption	Max. consumption current approx. 160mA	

AC Voltage

AC Voltage Range	0-600V
Resolution	1V
Line Frequency Range	40-120Hz
Accuracy	$\pm(1.5\%rdg + 3dgt)$

General

Dimension	170(L) × 165(W) × 92(D)mm (with housing front cover)
Weight	1040g(battery included)
Power Source	1.5V(SUM-3) × 8 Type AA.
Accessories	Test leads (AL-24A) Fuse 1A 250V Instruction manual Batteries

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