

## 指針與接地電阻計

### ANALOG INSULATION AND EARTH RESISTANCE TESTERS

- 吊線式高品質防震表頭。
- 本表具有二種量測功能。
  1. 量測絕緣阻抗與交流電壓。
  2. 量測接地電阻與接地電壓。
- 絕緣阻抗量測電壓有兩檔：250V、500V。
- 接地電阻量測檔位有三檔：0-12/0-120/0-1200Ω。
- 電源能量指示。
- 保險絲保護設計。
- 符合IEC/EN 61010-1 CAT III 600V。



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#### 電氣規格(23±5°C ≤ 80%RH)

量測系統設計	2mA定電流 820Hz
量測檔位及準確度	接地電阻：0-12/0-120/0-1200Ω (±3%滿刻度) 接地電壓：0-30V AC(40-500Hz) (±2.5%滿刻度)

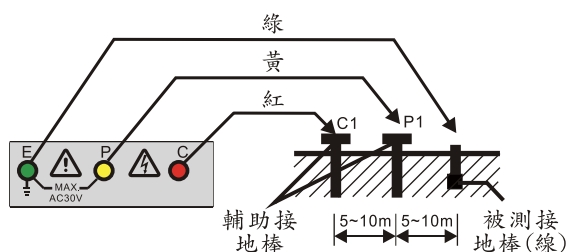
#### 絕緣阻抗

量測電壓	250V	500V
最大容許電壓	0-100MΩ	0-200MΩ
量測範圍	額定值+10%	
準確度	±5%刻度長	
交流電壓(ACV)範圍及準確度	0-600V ±2.5%滿刻度(40-500Hz)	

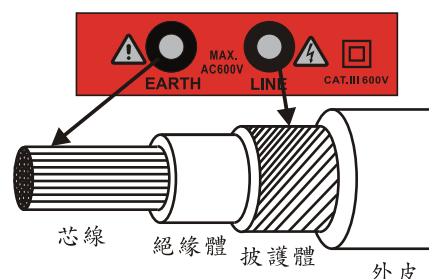
#### 一般敘述

使用電池	1.5V(SUM-3) x 8(顆)
外形尺寸	250(長) x 190(寬) x 110(高)公厘
重量	約1500克(含電池)
附件	測試線 1. AL-36：紅色-15公尺·黃色-10公尺·綠色-5公尺 簡易測試線 x 1(條) 輔助接地棒 x 2(支) 2. AL-24A x 1(組) 說明書 x 1(本) 肩帶 x 1(條) 電池

#### 接地電阻接線



#### 絕緣阻抗接線



## ANALOG INSULATION TESTER (1kV below)



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### SPECIFICATIONS

#### EARTH RESISTANCE

Measuring system	Earth resistance by constant current inverter 820Hz, 2mA approx.
Measuring ranges	Earth resistance : 0-12/0-120/0-1200Ω Earth voltage : 0-30V AC 40-500Hz
Accuracy	Earth resistance : ±3%F.S. Earth voltage : ±2.5%F.S.

#### INSULATION

Test voltage (DC V)	250V	500V
Measuring ranges	0-100MΩ	0-200MΩ
Output voltage on open circuit	Rated test voltage +10%	
Short circuit terminal current	2mA DC	
Accuracy	±5% of scale length	

#### ACV

AC Voltage range	0-600V
Accuracy	±2.5% of full scale
Line frequency range	40-500Hz

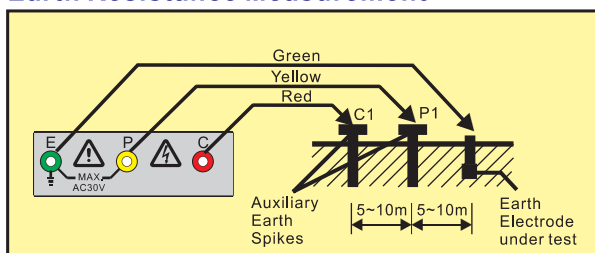
4167 MF multi-function tester is a combination of earth resistance tester and insulation tester. This two in one multi-function tester is an ideal tool for users to measure insulation and earth resistance.

### FEATURES

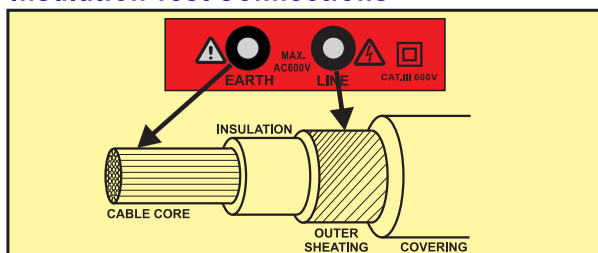
- High quality Taut Band movement.
- Capable of measuring earth voltage.
- 2mA measuring current permits earth resistance tests with tripping earth leakage current breakers in the circuit under test.
- In addition to facilitating for precision measurement, test leads for simplified two-wire measuring system also are supplied as standard Accessories.
- Two insulation test voltage (DC) : 250V and 500V.
- Alternating voltage measurement.
- Battery life indicator.
- Battery operated.
- Fuse protected.
- Designed to meet EN 61010-1 safety standard.

- Dimensions :  
250(L) x 190(W) X 110(D) mm
- Weight :  
Approx. 1500g (battery included)
- Power source :  
1.5V SUM-3 (R6P) x 8 pieces or equivalent
- Safety standard :  
EN61010-1 CAT III 600V
- Accessories :  
Test leads :  
(1) AL-36 : red-15m, yellow-10m, green-5m  
+AL-33 : simplified measurement probe.  
(2) AL-24A : red- 90cm, black- 90cm.  
Auxiliary earth spikes  
Shoulder belt  
Instruction manual  
Batteries

#### Earth Resistance Measurement



#### Insulation Test Connections



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