

## 指針接地電阻計

### ANALOG EARTH RESISTANCE TESTER

- 吊線式高品質防震錶頭。
- 可量測接地電阻( $\Omega$ )和接地電壓(ACV)。
- 量測電流僅有2mA，不會影響漏電斷路器的跳脫。
- 可作三線式量測或兩線式量測。
- 電池能量指示。
- 使用電池操作。
- 符合EN/IEC 61010-1 CAT III 150V。
- 請使用提供的測試線測試。



**1805 ER**

電氣規格(23±5°C ≤80%RH)

量測檔位	接地電阻：0-10 $\Omega$ / 0-100 $\Omega$ / 0-1000 $\Omega$ 接地電壓：0-30V AC(40-500Hz)
準確度	接地電阻：±3%滿刻度 接地電壓：±2.5%滿刻度
量測系統	820Hz 2mA 定電流
接線正確量測接地電阻	紅燈(LED)會亮著
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 1000 克(含電池)
附件	測試線：紅色-15 公尺·黃色-10 公尺·綠色-5 公尺 簡易測試線*1(條) 輔助接地棒*2(支) 說明書*1(本) 肩帶*1(條) 電池



# STANDARD

# Test & Measuring Instruments

## ANALOG EARTH RESISTANCE TESTER



CE

### 1805 ER

### WHY "GROUNDING TEST" IS NECESSARY ?

"Grounding" has a few different purposes, such as the safety and stability of the electrical circuits. Listed below are more info about it.

- 1. Power system to the ground:**  
The purpose is preventing the secondary side from the damage of the primary side. It's necessary for users' safety.
- 2. Equipment to the ground:**  
Connect equipments or shells to the ground. The purpose is protecting human being from the leakage of the equipments.
- 3. Electrical signal to the ground:**  
Set up a "Zero volt " reference point or a loop path for all different signals. The purpose is for the correct operation of measuring and safety device.
- 4. Grounding for shielding:**  
To prevent static electricity.  
To prevent noise, electromagnetic interference ( put shielding ).  
Application: shielding room, cable and communication wires to the ground, Equipments' guard terminals to the ground, power transformers and filters to the ground.

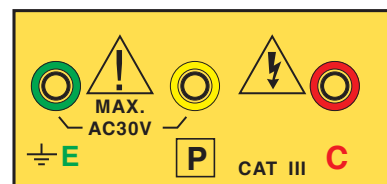
### FEATURES

- High quality Taut Band movement.
- Capable of measuring earth voltage(Vac).
- 2mA measuring current permits the testing of earth resistance without tripping earth leakage current circuit breakers in the circuit under test.
- In addition to the facility for precision measurement, test leads for simplified two wire measuring system also supplied as standard accessories.
- Battery operated.
- Battery test indication.
- EN/IEC 61010-1 CAT III 150V
- Calibration performed with supplied test leads.

### SPECIFICATIONS

Measuring Ranges	Earth Resistance 0-10Ω/0-100Ω/0-1000Ω Earth Voltage 0-30V AC (40-500Hz)
Accuracy	Earth Resistance ± 3% of full scale Earth Voltage ± 2.5% of full scale
Measuring System	Earth Resistance by constant current inverter. 820Hz, approx. 2mA.
Open Circuit Indication	LED unlit
Power Source	1.5V(R6P)×8
Dimensions	170(L)×165(W)×92(D)mm
Weight	Approx.1000g(battery included)
Accessories	Test leads (AL-36: red-15m yellow -10m green -5m +AL-33) Auxiliary earth spikes. Simplified measurement probe. Heavy-duty case Shoulder belt Instruction manual Batteries

### Test Leads Connections



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