

數位低歐姆計

DIGITAL LOW RESISTANCE OHM METER

- 微處理器控制設計。
- 可量測至 $1\mu\Omega$ 。
- Ω 量測共有6個檔位。
- 三重量測溫度過載保護。
- 可做四線式或兩線式量測。
- 使用大型的液晶顯示器。
- 量測數位鎖定。
- 自動關機設計。
- 省電量測設計。
- 符合IEC/EN 61010-1。



電氣規格($23\pm 5^{\circ}\text{C} \leq 80\%RH$)

6237 DLRO

量測檔位及解析度	0-2.000m Ω / $1\mu\Omega$ 0-20.00m Ω / $10\mu\Omega$ 0-200.0m Ω / $100\mu\Omega$ 0-2.000 Ω / $1\text{m}\Omega$ 0-20.00 Ω / $10\text{m}\Omega$ 0-200.0 Ω / $100\text{m}\Omega$
準確度	0-2.000m Ω / $1\mu\Omega$: $\pm(5\%$ 讀值+5 位數) 0-20.00m Ω / $10\mu\Omega$: $\pm(5\%$ 讀值+4 位數) 0-200.0m Ω / $100\mu\Omega$: $\pm(4\%$ 讀值+3 位數) 0-2.000 Ω / $1\text{m}\Omega$: $\pm(3\%$ 讀值+2 位數) 0-20.00 Ω / $10\text{m}\Omega$: $\pm(3\%$ 讀值+2 位數) 0-200.0 Ω / $100\text{m}\Omega$: $\pm(3\%$ 讀值+2 位數)
量測電流	2.000m Ω ~200.0m Ω : $1\text{A} \pm 20\%$ 200.0m Ω ~20.00 Ω : $100\text{mA} \pm 2\%$ 200.0 Ω : $10\text{mA} \pm 2\%$
最大輸出電壓 (C1-C2)	10V
使用電池	1.5V(SUM-3)*6(顆)
外形尺寸	330(長)*260(寬)*160(高)公厘
重量	約 3200 克(含電池)
附件	測試線*1(組) 說明書*1(本) 電池



STANDARD

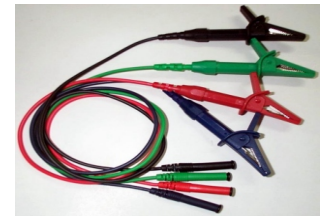
Test & Measuring Instruments

DIGITAL LOW RESISTANCE OHM METER

Test leads



6237 DLRO



The **6237 DLRO** is a "full feature professional instrument". The **RUGGED and "O-RING" SEALED** Digital Low Resistance Ohm and Contact Meter is specially designed to **measure very low resistance** accurately and give the result directly on the **large and clear LCD**. The 6237 DLRO makes measurements by passing a **constant current** through the device under test (generally a conductor, contact or low resistance) and measuring the voltage across it. The Low Resistance is then calculated by ohm's law.

This superb instrument is powered by rechargeable battery. It is **supplied complete** with instruction manual and test report / QA **certificate**. This ensure that every product is not just fully functional and calibrated after the assembly lines, but also within tight specifications tolerances before leaving the **strict quality control** of Standard Electric Works.

It has visual LED checks for excessive; potential lead resistance (R_p) and current lead resistance (R_c). Should the instrument become too warm, the temperature sensor will shut down the current ($I_{sc}OFF$).

This instrument is indispensable to laboratory applications and to field applications to measure bonding joints, circuit breakers contact resistance, fuse resistance, testing earth bonds in mines, rail bond when a rail is used as part of a communication system or for power transmission, Checking the plating quality on PCBs, contacts of relays, continuity or ring circuits and of protective conductors etc...

FEATURES

- Microprocessor controlled.
- Measure down to 1 .
- 6 ranges from 2.000m to 200.0 .
- Maximum resolution of 1 .
- Three Test Current with Over- Temperature Protection.
- Four Terminal Measurement.
- Protection against inadvertent connection to over-voltage.
- Clear & Large Liquid Crystal Display.
- Potential Lead Resistance, Current Lead Resistance Checks.
- "Full Featured" EnerSave Inside.
- EnerSave AUTO-HOLD™
- EnerSave™ AUTO-OFF.
- Battery Operated, Robust & Compact.
- Indicators shows if reading may be invalid (R_p , R_c).
- "O-Ring" sealed case.
- Portable - Rechargeable battery.

SPECIFICATIONS

Low Resistance Ranges / Resolution	0-2.000m / 1 0-20.00m / 10 0-200.0m / 100 0-2.000 / 1m 0-20.00m / 10m 0-200.0m / 100m
Accuracy	0-2.000m : (5%+5dgt) 0-20.00m : (5%+4dgt) 0-200.0m : (4%+3dgt) 0-2.000 : (3%+2dgt) 0-20.00 : (3%+2dgt) 0-200.0 : (3%+2dgt)
Test Current (dc)	2.000m to 200.0m : 1A 2% 200.0m to 20.0 : 100mA 2% 200.0 : 10mA 2%
Accuracy of DC Voltmeter	0-200.0m : (3%+2dgt) 0-2000m : (0.8%+2dgt) 0-20.00 : (0.7%+2dgt) 0-200.0 : (0.7%+2dgt) 0-2000 : (0.7%+2dgt)
Maximum Output Voltage (C1-C2)	10V
Power Source	Rechargeable
Dimension	330(L) x 260(W) x 160(D) mm
Weight	Approx. 3.2 kg(battery included)
Accessories	Test leads(AL-34) Instruction manual Rechargeable Batteries

