

Low Resistance Ohm Meter



CE

6237 DLRO

FEATURES

- Microprocessor-controlled.
- Measure down to $1\mu\Omega$.
- 6 ranges from 2.000m Ω to 200.0 Ω .
- Maximum resolution of $1\mu\Omega$.
- Three test currents with over-temperature protection.
- Four terminal measurement.
- Protection against inadvertent connection to over-voltage. (crow bars for current and voltage)
- Clear & large LCD.
- Potential lead resistance and current lead resistance checks.
- "Full-featured" EnerSave™ Inside.
- EnerSave™ Auto-hold.
- EnerSave™ Auto-off.
- Rechargeable battery operated
- Robust & compact.
- Indicators show if reading may be invalid (R_p , R_c , and temperature).
- "O-Ring" sealed case.



ISL-6237

CHA-17V



AL-34B

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. 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...

SPECIFICATIONS

Low resistance ranges / resolution	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 / $1m\Omega$
	0-20.00 Ω / $10m\Omega$
	0-200.0 Ω / $100m\Omega$
Accuracy	0-2.000m Ω : $\pm(5\%rdg+5dgt)$
	0-20.00m Ω : $\pm(4\%rdg+4dgt)$
	0-200.0m Ω : $\pm(4\%rdg+4dgt)$
	0-2.000 Ω : $\pm(3\%rdg+4dgt)$
	0-20.00 Ω : $\pm(2\%rdg+4dgt)$
	0-200.0 Ω : $\pm(2\%rdg+4dgt)$
	2.000m Ω to 200.0m Ω : $1A\pm3\%$
Test current (dc)	200.0m Ω to 20.0 Ω : $100mA\pm2\%$
	200.0 Ω : $10mA\pm1.5\%$
Maximum output voltage (C1~C2)	10V
Dimensions	330(L) \times 260(W) \times 160(D)mm
Weight (battery included)	Approx. 3200g
Power source	Rechargeable battery
Safety standard	EN 61010-1
	EN 61326-1
Accessories	Instruction manual
	Test leads
	Charger