

# twilight

INSTRUMENTOS DE MEDICIÓN INDUSTRIAL

## Ohmetro SW-6237DLRO

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# Low Resistance Ohm Meter



## 6237 DLRO

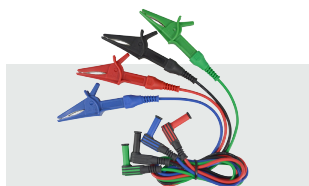
### FEATURES

- Microprocessor-controlled.
- Measure down to  $1\mu\Omega$ .
- 6 ranges from  $2.000\text{m}\Omega$  to  $200.0\Omega$ .
- 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 $\Omega$ / $1\mu\Omega$
	0-20.00m $\Omega$ / $10\mu\Omega$
	0-200.0m $\Omega$ / $100\mu\Omega$
	0-2.000 $\Omega$ / $1\text{m}\Omega$
Accuracy	0-20.00 $\Omega$ / $10\text{m}\Omega$
	0-200.0 $\Omega$ / $100\text{m}\Omega$
	0-2.000m $\Omega$ : $\pm(5\%\text{rdg}+5\text{dgt})$
	0-20.00m $\Omega$ : $\pm(4\%\text{rdg}+4\text{dgt})$
	0-200.0m $\Omega$ : $\pm(4\%\text{rdg}+4\text{dgt})$
	0-2.000 $\Omega$ : $\pm(3\%\text{rdg}+4\text{dgt})$
Test current (dc)	0-20.00 $\Omega$ : $\pm(2\%\text{rdg}+4\text{dgt})$
	0-200.0 $\Omega$ : $\pm(2\%\text{rdg}+4\text{dgt})$
	2.000m $\Omega$ to 200.0m $\Omega$ : $1\text{A}\pm 3\%$ 200.0m $\Omega$ to 20.0 $\Omega$ : $100\text{mA}\pm 2\%$ 200.0 $\Omega$ : $10\text{mA}\pm 1.5\%$
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

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