



Features

- ✓ 3½ Digit LED display.
- ✓ Resolution 1mΩ on 2Ω range.
- ✓ Battery Operated.
(9V cell, type 216, 1.5 V cell, Sony Lr44 or Equivalent).
- ✓ 4 Wire Measurements to avoid lead resistance.
- ✓ Fully protected against reversal of battery polarity & over loads.
- ✓ 'PUSH TO READ' switch facility
- ✓ Facility to check "LOBAT" for 9V & 1.5V batteries.

LR 201

Safety Ohm Meter



The Motwane Model LR 201 is a 3½ digit LCD display & fully portable digital safety-ohm-meter, capable of measuring low resistance with 1 m-ohm resolution. It employs the proven 4-wire (4W) where fixed DC current is applied to DUT and voltage drop across the DUT is measured and displayed as proportional resistance reading.

This method is used to eliminate the effect of lead resistance on the accuracy of measurement. It is a highly reliable, powerful performance & heavy duty instrument. It is a direct reading instrument leading to simple, speedy, and accurate measurements.

Applications

Resistance Measurement in:

- Saline or Corrosive Conditions
- PCB Tracks
- Detonator Fuses
- Explosive Environments

Technical Details

LR-201

General Specifications

Environment	Operating Temp.: 0°C to 55°C
	Storage Temp.: -20°C to 70°C
	Humidity : Less than 90% RH
Overage	Display Show (1) with other digits blank
Dimensions	100mm (W) x 180mm (H) x 54 mm (D) Approx
Weight	Approx 0.890 Kg. with Accessories

Electrical Specifications

At 25°C \pm 3°C, 55% RH \pm 10%

Temp. Coefficient: 200 ppm / °C

Resistance Range

Range	MAX. Reading	MAX CURRENT	ACCURACY \pm (%RDG + DIGITS)	Resolution
2 Ω	1.999 Ω	10mA	\pm 0.5 % of reading \pm 4 digits	1m Ω
20 Ω	19.99 Ω	1mA	\pm 0.5 % of reading \pm 4 digits	10m Ω
200 Ω	199.9 Ω	0.1mA	\pm 0.5 % of reading \pm 4 digits	100m Ω
2 K Ω	1.999K Ω	0.01mA	\pm 0.5 % of reading \pm 4 digits	1 Ω
20 K Ω	19.99K Ω	0.01mA	\pm 0.5 % of reading \pm 4 digits	10 Ω

Accessories

Standard

- Test leads with GP Kelvin clip. : 1 Set.
- Instruction Manual. : 1 No.
- Calibration Report : 1 No.

Optional

- Test leads with GP crocodile clip. : 1 Set.

ORDERING INFORMATION

Product	Order Code
LR 201 with Standard Accessories	109216010

Notes: **1.** The Instrument is accompanied with Test & Calibration sheet. **2.** Test Facilities can be provided at the factory with the available test set-ups only. **3.** The company's policy includes continuous improvement of its product. We, therefore, reserve the right of any deviation from illustration or specifications without notice. **4.** Stated accuracies are valid from 10% of the range to 95% of the range. **5.** Accuracy specified for temperature range of 25°C \pm 5°C & 55% RH \pm 10%.