

# Electrical Test & Measurement Instruments





## Features

- ✓ 4½ digit LCD display with annunciations.
- ✓ Resolution 0.1  $\mu\Omega$  on 2 m $\Omega$  range.
- ✓ Mains cum Battery operated (Rechargeable Ni-cd).
- ✓ High measurement current of 10A for faster settling of measured values on low resistance.
- ✓ True 4 wire resistance measuring technique eliminates lead resistance errors.
- ✓ Pulse mode, Auto hold operation.
- ✓ Proven design in operation from over 15 years.
- ✓ Low battery indication to prevent deep discharge of internal recharging battery.

## LR-2065

### Micro Ohm Meter



LR-2065 digital micro ohm meter comes with maximum 10A DC current injection, which is useful for the measurements of very low resistance in micro ohms as low as 0.1 $\mu\Omega$ . Mains cum rechargeable battery operated LR-2065, works on the proven principle of 4-wire measurements. The LR-2065 is having 4½ digit LCD display with resistance measurement range from 2m $\Omega$  to 20k $\Omega$ , with minimum resolution of 0.1 $\mu\Omega$ . The pulse mode operation is an additional feature.

## Applications

High Precise micro ohmmeter used for measuring accurate low resistance with high accuracy, makes it a reliable tool for Quality Assurance, easy operation and also makes it a very handy for quick maintenance checks for process industries. Typical It is very useful in design, test, maintenance, QC/QA and production. Typical applications include the measurement of

- Cables
- Components
- Relays
- PC Boards
- Bus Bars
- Contactors
- Low rating motors & transformers
- Weld Joints
- Electrodes

## Technical Details

LR-2065

### General Specifications

#### Warm-up Time Stated

|                      |                                |
|----------------------|--------------------------------|
| <b>Accuracy</b>      | Two Minutes.                   |
| <b>Overage</b>       | Blinking Zero Display          |
| <b>Dimensions</b>    | 340 mm(D) x 258 mm(W) x 145(H) |
| <b>Net Weight</b>    | 4.0Kg Approx with batteries    |
| <b>After Packing</b> | 6.0Kg Approx.                  |

### Resistance Range

| Range           | Resolution      | MAX CURRENT | ACCURACY<br>$\pm$ (%RDG + DIGITS)      |
|-----------------|-----------------|-------------|--|
| 2 m $\Omega$    | 0.1 $\mu\Omega$ | 10A         | $\pm$ 0.03 % of reading $\pm$ 4 digits |
| 20 m $\Omega$   | 1 $\mu\Omega$   | 1 A         | $\pm$ 0.03 % of reading $\pm$ 4 digits |
| 200 m $\Omega$  | 10 $\mu\Omega$  | 0.1A        | $\pm$ 0.03 % of reading $\pm$ 4 digits |
| 2000 m $\Omega$ | 100 $\mu\Omega$ | 0.01mA      | $\pm$ 0.03 % of reading $\pm$ 4 digits |
| 20 $\Omega$     | 1m $\Omega$     | 0.1mA       | $\pm$ 0.03 % of reading $\pm$ 4 digits |
| 200 $\Omega$    | 10m $\Omega$    | 0.01mA      | $\pm$ 0.03 % of reading $\pm$ 4 digits |
| 2000 $\Omega$   | 100m $\Omega$   | 1mA         | $\pm$ 0.03 % of reading $\pm$ 4 digits |
| 20 k $\Omega$   | 1 $\Omega$      | 0.01mA      | $\pm$ 0.03 % of reading $\pm$ 4 digits |

### Accessories

#### Standard

|  |          |
|--|----------|
| ■ One set of test leads with GP Kelvin clip. | : 1 Set. |
| ■ Test leads with GP Crocodile clip.         | : 1 Set. |
| ■ Mains cord.                                | : 1 No.  |
| ■ Instruction Manual.                        | : 1 No.  |

#### Optional

|  |         |
|--|---------|
| ■ Test leads 10 metre long with Heavy Duty Crocodile clip. | : 1 No. |
| ■ 'C' clamp with 10 metre long leads.                      | : 1 No. |
| ■ Test leads with Heavy Duty Bond testing probe.           | : 1 No. |



Test leads - Kelvin clip.



Test leads - Bond Testing



Test leads - C Clamp

## Contact Details

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