



Micro Ohm Meter LR2045-S

Features:

- Back-Emf Protection
- Heat Run Test
- **⊙** 4½ digit Large and Clear Display
- Accurate & Stable Readings
- PC Interfacing with Software
- 4 Wire Measurement Method
- Highly Rugged Industrial Graded Casing
- Sealed Soft Touch Membrane Keypad
- One Man Operation

General Specifications:

Display:

- Large seven segment LED display.
- \blacksquare 4 $\frac{1}{2}$ digit display.
- Max. display in digit 19999.
- Display update rate: 2.5 times / second

Indications:

- **LEDs** for range and $\Omega / m\Omega$ indications.
- LED indication for operation and pulse mode.
- Over range indication: Blinking zero display.
- Under Range Indication : All Display shows zero. (Not blinking)

Applications:

- Hot & cold winding resistance measurement of motors, generators, alternators and transformers.
- Contact resistance measurement of fuses and miniature circuit breakers.
- Resistance measurement of cables & wires.
- Bond testing of aircraft frames.
- Resistance measurement of resistive component (e.g.: resistors, shunts, etc.)

Technical Specifications:

Range	Resolution	Accuracy ±(% Rdg.+dgt)	FS rdg.	DC Current applied to DUTMax.	Power dissipation in the sample at mid-scale
20 mΩ	1μΩ	±(0.05+5)	19.999 mΩ	1 A	10 mW
200 mΩ	10 μΩ	±(0.05+5)	199.99 mΩ	1 A	100 mW
2000 mΩ	100 μΩ	±(0.05+5)	1999.9 mΩ	100 mA	10mW
20 Ω	1 mΩ	±(0.05+5)	19.999 Ω	10 mA	1 mW
200 Ω	10 mΩ	±(0.05+5)	199.99 Ω	1 mA	0.1mW
2000 Ω	100 mΩ	±(0.05+5)	1999.9 Ω	100 μΑ	10 μW

Note: Accuracies are valid from 1/10th of the range to FS of range & valid at

- Temperature:25°C ± 3°C at 55%±10%RH.
- Temperature Coefficient :100ppm/°C.
- Warm up time for stated accuracy -10min.
- Open Circuit Voltage: 15Volt ± 3volt.

Environmental Specifications:

- Operating Temperature:0°C-40°C.
- Storage Temperature:0°C 55°C.
- Humidity:Less Than 95% RH Non-Condensing.

Power Supply:

■ 230 VAC ± 10%, 50Hz, Single phase supply.

Physical Specifications:

- Dimensions (H X W X L): 210 mm X 290 mm X 360 mm
- Net Weight : 5.0kg (Approx)

Protection:

- Protection against back EMF: 12KV (1.2/50μ sec pulse).
- Instrument protected against mains overload (Fuse 250 mA).
- All ranges are fuse protected. (Input fuse 1A).

Accessories:

Standard Accessories:

- Carrying case : 1No.3mtrs long test lead with GP kelvin clip : 1Set (12mm Jaw opening approx.)
- User manual : 1No.Calibration certificate : 1No.
- Input protection fuse (1A) : 1No. ■ Mains protected fuse (250mA) : 1No.
- Three pin mains cord (1.5mtrs) : 1No.

Optional Accessories:

- Carrying case : 1No.Software CD : 1No.USB interfacing cable : 1No.
- 10 mtrs long test leads with heavy duty kelvin clip.(35mm Jaw opening approx.)
- 10 mtrs long test leads with large crocodile clip. (40mm Jaw opening approx.)
- 10 mtrs long test leads with 'C' clamp. (80mm opening approx.)
- Heavy duty bond testing probe assembly. (10mtrs)

)BS/PC/LR-03/Rev-02