



Ballantine Laboratories, Inc.

3207 Micro-Ohmmeter



Note: Kelvin cables sold separately

Product Summary

The Ballantine 4 1/2 Digit Micro-ohm Meter 3207 measures Low Resistance in Milli and micro-ohms with precise accuracy. It employs the proven 4-wire measurement technique and eliminates the lead resistance inherent in 2-wire technique to give accurate readings.

Applications:

Cables, components, skin and frame bonds, PC boards, bus bars & contactors, electrodes, motors & transformers systems

Product Features

- 4 1/2 LED display
- True 4-wire measurement technique to eliminates lead resistance
- Pulse Mode Operation for Basic Accuracy of 0.05%
- 2 mΩ to 2000 Ω Full Scale Ranges
- Resolution to 0.1 μΩ on 2 μΩ range
- RS-232 PC Interface

Product Specifications

Reference conditions: 25° C, +/- 10%, 55% RH. Temp. Co. 150 ppm/deg C.

Ranges

Range	Maxium Reading	Resolu-tion	Maxium Current	Accuracy
2 m Ω	1.9999 mΩ	.1 μΩ	1 A	± 0.5% ± 5 dgts.
20 m Ω	19.999 mΩ	1 μΩ	1 A	± 0.05% ± 5 dgts.
200 m Ω	199.99 mΩ	10 μΩ	100 mA	± 0.05% ± 5 dgts.
2000 m Ω	1999.9 mΩ	100 μΩ	10 mA	± 0.05% ± 5 dgts.
20 Ω	19.999 Ω	1 m Ω	10 mA	± 0.05% ± 5 dgts.
200 Ω	199.99 Ω	10 m Ω	1 mA	± 0.05% ± 5 dgts.
2000 Ω	1999.9 Ω	100 m Ω	0.1 mA	± 0.05% ± 5 dgts.

* At half power

Input Termination

4-Wire(2 voltage and 2 current terminals)

Input Protection

Maximum input voltage 250 V rms AC/DC
Current terminals protected by 1 A fuse, accessible on rear panel

Zero Adjust

Front panel screwdriver adjustment

Warm-up

15 minutes for specified accuracy

Environmental Characteristics Operating

0° C to 45° C, RH less than 95%

Storage

-40° C to 55° C, RH no condensation

Dimensions

340 mm (D) x 258 mm (W) x 145 mm (H), approx.
Weight 3.2 kgs. before packing, 5.2 kgs. after packing, approx.

Power

90-132 V, 60 Hz