

Data Sheet

LCR Meter Model 875B

The rugged 875B LCR meter is a reliable, easy-to-use workhorse that will measure inductors, resistors, and capacitors quickly and accurately. Utilizing special circuitry, the measurement more closely replicates true in-circuit measurements. The meter allows for resistance measurement down to 1 mΩ of resolution and zero adjustment for removing lead resistance.

Features & Benefits

- Precision measurement of very low resistances
- Measures D (dissipation factor)
- Unique drop-proof construction
- Tilt stand
- Measures resistance using a test frequency that can cause an inductive reactance

| Specifications | 875B | | |
|----------------------------|--|------------|---|
| | Range | Resolution | Accuracy |
| Capacitance | 200 pF | 0.1 pF | 1%+2 |
| | 2 nF | 1 pF | |
| | 20 nF | 10 pF | |
| | 200 nF | 100 pF | |
| | 2 μF | 1000 pF | |
| | 20 μF | 0.01 μF | |
| | 200 μF | 0.1 μF | |
| | 2 mF | 1 μF | 2%+10 |
| 20 mF | 10 μF | | |
| Resistance | 2 Ω | 1 mΩ | 1%+5 |
| | 20 Ω | 10 mΩ | 1%+2 |
| | 200 Ω | 100 mΩ | |
| | 2 kΩ | 1 Ω | |
| | 20 kΩ | 10 Ω | |
| | 200 kΩ | 100 Ω | |
| | 2 MΩ | 1 kΩ | 2%+2 |
| | 20 MΩ | 10 kΩ | |
| Inductance | 200 μH | 0.1 μH | 2%+2 |
| | 2 mH | 1 μH | 1%+2 |
| | 20 mH | 10 μH | |
| | 200 mH | 100 μH | |
| | 2 H | 1 mH | Not specified, ranges are used for reference only |
| | 20 H | 10 mH | |
| | 200 H | 100 mH | |
| General | | | |
| Power requirements | 9 V 006P battery | | |
| Display | 0.5" digital height, 3 1/2 digits liquid crystal display with "LOBAT" and decimal annunciators | | |
| Low battery warning | Display will "LOBAT" in the last 5% of battery life | | |
| Current consumption | 17.3 mA | | |
| Temperature | 32° to 104° F (0° to 40° C) Operating / -4° to 158° F (-20° to 70° C) Storage | | |
| Dimensions (LxWxH) | 6.97" x 3.46" x 1.57" (177 x 88 x 40 mm) | | |
| Weight | 14 oz (400 grams) | | |
| Three-Year Warranty | | | |
| Included accessories | Operation manual and one pair of test clips (red & black) | | |

