

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%+10
	2 mF	1 μF	
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	
	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)		

