

# Component Testers



878

## Model 878 Dual-Display Handheld LCR Meter with Statistical Functions

The 878 measures capacitance, resistance, and inductance. Components can be measured in the series and parallel mode as desired. The full 4-digit display reads values to 9999 on each range. The instrument is autoranging; or manual ranging may be selected. The instrument prompts the user when calibration is needed, and the dual display shows whether to calibrate with an open or short.

- Simultaneously displays measured value and Q or dissipation factor
- Tolerance mode
- Min/Max average
- Two selectable test frequencies (120 Hz, 1 kHz)
- Relative mode



875B

## Model 875B Low-Ohm LCR Meter

The rugged 875B LCR 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. Ten range resistance range measures to 0.001 - zero adjust removes leads resistance.

- Precision measurement of very low resistances
- Unique drop-proof construction
- Measures D (dissipation factor)
- Tilt stand

## Model 815 Hand-held Component Tester

This handy capacitance meter (0.1 pF-20 mF) and ohm meter (0.1Ω to 20MΩ) also tests: transistors, beta, diodes, SCRs, LEDs and batteries. Use with TL-8 (shown on page 90) for more effective testing.



815

- 3 1/2 digit extra large (0.8" digit) high contrast LCD display
- LED test
- Transistor leakage test
- Battery test
- Capacitance zero adjustment
- 5 foot drop-proof heavy duty case
- Diode and SCR test

## Specifications

	878	875B	models 815
<b>CAPACITANCE</b>			
RANGE (Best Resolution)	1000pF (0.1pF) 10nF (1pF) 100nF (10pF) 1000nF (100pF) 10μF (1nF) 100μF (10nF) 1000μF (100nF) 10mF (10μF)	200pF (0.1pF) 2nF (1pF) 20nF (10pF) 200nF (100pF) 2μF (1nF) 20μF (10nF) 200μF (100nF) 2mF (1μF) 20mF (10μF)	200pF (0.1pF) 2nF (1pF) 20nF (10pF) 200nF (100pF) 2μF (1nF) 20μF (10nF) 200μF (100nF) 2000μF (1μF) 20mF (10μF)
ACCURACY	±1% + 5 counts ±0.7% + 5 counts ±0.7% + 3 counts ±0.7% + 3 counts ±0.7% + 3 counts ±0.7% + 3 counts ±1% + 5 counts ±5% + 5 counts	±(1%rdg + 2dgt) ±(1%rdg + 2dgt) ±(1%rdg + 2dgt) ±(1%rdg + 2dgt) ±(1%rdg + 2dgt) ±(1%rdg + 2dgt) ±(2%rdg + 10 dgt) ±(2%rdg + 10 dgt)	±(0.5% rdg + 1 dgt) ±(0.5% rdg + 1 dgt) ±(0.5% rdg + 1 dgt) ±(0.5% rdg + 1 dgt) ±(0.5% rdg + 1 dgt) ±(0.5% rdg + 1 dgt) ±(1%rdg + 1 dgt) ±(1.5%rdg + 1 dgt)
<b>RESISTANCE</b>			
RANGE (Best Resolution)	10Ω (1mΩ) 100Ω (10mΩ) 1kΩ (100mΩ) 10kΩ (1Ω) 100kΩ (10Ω) 1MΩ (100Ω) 10MΩ (1kΩ)	2Ω (1mΩ) 20Ω (10mΩ) 200Ω (100mΩ) 2kΩ (1Ω) 20kΩ (10Ω) 200kΩ (100Ω) 2MΩ (1kΩ) 20MΩ (10kΩ) 20MΩ (10kΩ)	200Ω (100mΩ) 2kΩ (1Ω) 20kΩ (10Ω) 200kΩ (100Ω) 2MΩ (1kΩ) 20MΩ (10kΩ) 20MΩ (10kΩ)
ACCURACY	1.2% + 8 counts 0.8% + 5 counts 0.5% + 3 counts 0.5% + 3 counts 0.5% + 3 counts 0.5% + 5 counts 2.0% + 8 counts	±1%rdg + 5 dgt ±1%rdg + 2 dgt ±1%rdg + 2 dgt ±1%rdg + 2 dgt ±1%rdg + 2 dgt ±1%rdg + 2 dgt ±2%rdg + 2 dgt ±2%rdg + 2 dgt	±0.75%rdg + 5 dgts ±2%rdg + 4 dgts ±0.5%rdg + 1 dgt ±0.5%rdg + 1 dgt ±0.5%rdg + 1 dgt ±0.75%rdg + 1 dgt ±2.0%rdg + 1 dgt
<b>INDUCTANCE</b>			
RANGE (Best Resolution)	1mH (100nH) 10mH (1μH) 100mH (10μH) 1H (100μH) 10H (1mH) 100H (10mH) 1000H (100mH) 10000H (1H)	200μH (100nH) 2mH (1μH) 20mH (10μH) 200mH (100μH) 2H (1mH) 20H (10mH) 200H (100mH)	Not applicable
ACCURACY	±2.0% + 5 counts ±1.2% + 5 counts ±0.7% + 5 counts ±0.7% + 5 counts ±0.7% + 5 counts ±1.0% + 5 counts ±5% + 5 counts	±2%rdg + 2 dgt ±1%rdg + 2 dgt ±1%rdg + 2 dgt ±1%rdg + 2 dgt Not Specified Ranges are used for reference only	Not applicable
<b>GENERAL</b>			
POWER SOURCE	9V Battery	9V Battery	9V Battery
DISPLAY	4 digit LCD (dual)	3 1/2 digit LCD	3 1/2 digit LCD
DIGIT HEIGHT	0.5/0.3" (13/7.6mm)	0.5" (13mm)	0.8" (20mm)
OPERATING TEMP	32° to 104°F (0° to 40°C)	32° to 104°F (0° to 40°C)	32° to 122°F (0° to 50°C)
STORAGE TEMP	-4° to 122°F (-20° to 50°C)	-4° to 158°F (-20° to 70°C)	-4° to 140°F (-20° to 60°C)
DIMENSIONS (L x W x D)	7.56 x 3.54 x 1.46" (192 x 90 x 37 mm)	6.97 x 3.47 x 1.58" (177 x 88 x 40 mm)	6.88 x 3.25 x 1.5" (175 x 83 x 38 mm)
WEIGHT	13.76 oz. (390g)	14.12 oz. (400g)	11.6 oz. (326g)
Accessories	One Year Warranty	Three Year Warranty	One Year Warranty

SUPPLIED: Test Lead; Spare Fuse(Except 875B); AC Power Adapter(Model 878)  
OPTIONAL: TL-8 SMD Probe, Carrying Case (Not included); LC-29B