# Component **Testers**



## 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 ■Tolerance mode value and Q or dissipation factor

**■**Two selectable test

■Min/Max average

frequencies (120 Hz, I kHz)

**■**Relative mode

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 resist-

■Precision measurement of very low resistances

**■**Unique drop-proof construction

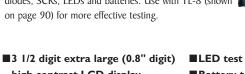
■ Measures D (dissipation factor)

**■**Tilt stand

### Model 815

#### **Hand-held Component Tester**

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



high contrast LCD display

■Transistor leakage test

■Capacitance zero adjustment

**■**Diode and SCR test



**■Battery test** 

■5 foot drop-proof heavy duty case

815

Speci	fications		models
	878	875B	815
CAPACITANCE	///		
RANGE	1000pF (0.1pF)	200pF (0.1pF)	200pF (0.1pF)
(Best Resolution)	IOnF (IpF)	2nF (1pF)	2nF (1pF)
	100nF (10pF)	20nF (10pF)	20nF (10pF)
	1000nF (100pF)	200nF (100pF)	200nF (100pF)
	10μF (1nF)	2μF (InF)	2μF (InF)
	100µF (10nF)	20μF (10nF)	20μF (10nF)
	1000µF (100nF)	200µF (100nF)	200µF (100nF)
	10mF (10μF)	2mF (1μF) 20mF (10μF)	2000μF (1μF) 20mF (10μF)
ACCURACY	±1% + 5 counts	$\pm (1\% \text{rdg} + 2 \text{dgt})$	$\pm (0.5\% \text{ rdg} + 1 \text{dgt})$
recarder	±0.7% + 5 counts	$\pm (1\% \text{rdg} + 2\text{dgt})$	$\pm (0.5\% \text{ rdg} + 1 \text{dgt})$
	$\pm 0.7\% + 3$ counts	$\pm (1\% \text{rdg} + 2\text{dgt})$	$\pm (0.5\% \text{ rdg} + 1 \text{dgt})$
	$\pm 0.7\% + 3$ counts	±(1%rdg + 2dgt)	±(0.5% rdg + 1dgt)
	$\pm 0.7\% + 3$ counts	±(1%rdg + 2dgt)	±(0.5% rdg + 1dgt)
	$\pm 0.7\% + 3$ counts	±(1%rdg + 2dgt)	$\pm (0.5\% \text{ rdg} + 1 \text{ dgt})$
	±1% + 5 counts	±(2%rdg + 10 dgt)	±(1%rdg + 1 dgt)
	$\pm$ 5% + 5 counts	±(2%rdg + 10 dgt)	±(1.5%rdg + 1dgt)
RESISTANCE		1.00 (1.0)	L 2000 (10° S)
RANGE	10Ω (1mΩ)	2Ω (ImΩ)	200Ω (100mΩ)
(Best Resolution)	$100\Omega (10m\Omega)$	20Ω (10mΩ)	2kΩ (1Ω)
	1kΩ (100mΩ) 10kΩ (1Ω)	$200\Omega$ (100mΩ) $2k\Omega$ (1Ω)	20kΩ (10Ω) 200kΩ (100Ω)
	$100 k\Omega (10\Omega)$	$20k\Omega$ (10 $\Omega$ )	200kΩ (1kΩ)
	$IM\Omega$ (100 $\Omega$ )	200kΩ (100Ω)	20MΩ (10kΩ)
	10ΜΩ (1kΩ)	2MΩ (1kΩ)	20MΩ (10kΩ)
	(112.)	20MΩ (10kΩ)	
ACCURACY	1.2% + 8 counts	±1%rdg + 5 dgt	±0.75%rdg + 5 dgts
	0.8% + 5 counts	±1%rdg + 2 dgt	±2%rdg + 4 dgts
	0.5% + 3 counts	±1%rdg + 2 dgt	±0.5%rdg + 1 dgt
	0.5% + 3 counts	±1%rdg + 2 dgt	±0.5%rdg + 1 dgt
	0.5% + 3 counts	$\pm 1\%$ rdg + 2 dgt	±0.5%rdg + 1 dgt
	0.5% + 5 counts	±1%rdg + 2 dgt	±0.75%rdg + 1 dgt
	2.0% + 8 counts	$\pm 2\%$ rdg + 2 dgt $\pm 2\%$ rdg + 2 dgt	±2.0%rdg + 1 dgt
INDUCTANCE		±2701dg 1 2 dgt	
RANGE	ImH (100nH)	200µH (100nH)	Not applicable
(Best Resolution)	10mH (1μH)	2mH (1μH)	''
	100mH (10µH)	20mH (10μH)	
	IH (100μH)	200mH (100μH)	
	10H (1mH)	2H (1mH)	
	100H (10mH)	20H (10mH)	
	1000H (100mH)	200H (100mH)	
ACCUBACY.	10000H (1H)	120/-1- 12 1-4	Nist soultsslels
ACCURACY	$\pm 2.0\% + 5$ counts $\pm 1.2\% + 5$ counts	$\pm 2\%$ rdg + 2 dgt $\pm 1\%$ rdg + 2 dgt	Not applicable
	$\pm 0.7\% + 5$ counts	$\pm 1\% \text{rdg} + 2 \text{ dgt}$ $\pm 1\% \text{rdg} + 2 \text{ dgt}$	
	$\pm 0.7\% + 5$ counts	±1%rdg + 2 dgt	
	$\pm 0.7\% + 5$ counts	Not Specified	
	$\pm 0.7\% + 5$ counts	Ranges are used for	
	$\pm 1.0\% + 5$ counts	reference only	
	±5% + 5 counts		
GENERAL			
POWER SOURCE	9V Battery	9V Battery	9V Battery
DISPLAY	4 digit LCD (dual) 0.5/0.3" (13/7.6mm)	3 1/2 digit LCD	3 1/2 digit LCD 0.8" (20mm)
DIGIT HEIGHT OPERATING TEMP	32° to 104°F	0.5" (13mm) 32° to 104°F	32° to 122°F
OLLIVATING TEMP	(0° to 40°C)	(0° to 40°C)	(0° to 50°C)
STORAGE TEMP	-4° to 122°F	-4° to 158°F	-4° to 140°F
	(-20° to 50°C)	(-20° to 70°C)	(-20° to 60°C)
DIMENSIONS	7.56 x 3.54 x 1.46"	6.97 x 3.47 x 1.58"	6.88 x 3.25 x 1.5"
(L x W x D)	(192 x 90 x 37 mm)	(177 x 88 x 40 mm)	(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
		275R): AC Power Adapte	

Specification

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