

Data Sheet

Model 878A

Dual Display Auto Ranging LCR Meter

Model 879

Deluxe Dual Display Auto Ranging LCR Meter

The 878A and 879 measure capacitance, resistance (of non-inductive components) and inductance. Components can be measured with selectable test frequencies in series or parallel modes as desired. The 4 1/2 digit main LCD displays values to 19,999, and the secondary 3 digit 1,000 count display reads D or Q. Both models can be used in either auto ranging or manual ranging modes.

Features

- Selectable test frequencies 100Hz, 120Hz, 1KHz, 10KHz (100Hz & 10KHz model 879 only)
- Simultaneously displays measured component value and Q or Dissipation Factor (D)
- Display hold
- Relative mode
- Tolerance mode
- Backlight (model 879)
- RS 232 Interface (cable and software required)



878A



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Specifications	Models	
	879	878A
Parameters Measured	L/C/R/D/Q/_	L/C/R/D/Q
Measuring Circuit Mode	Inductance (L) -Defaults to series mode Capacitance/ Resistance (C/R) -Defaults to parallel mode	
Displays	L/C/R: Maximum display 19999 D/Q: Maximum display 999 (Auto Range).	
Ranging Mode	Auto & Manual	
Measuring Terminals	3 terminals with sockets	
Test Frequency	100Hz=100 Hz 120Hz= 120 Hz 1KHz =1010 Hz 10KHz= 9.6 KHz	120Hz= 120 Hz 1KHz =1010 Hz
Accuracy: ±0.1 %		
Backlit display	Included	Excluded
Tolerance mode	1%, 5%, 10%, 20%	1%, 5%, 10%
Test Signal Level	0.6Vrms approx.	
Measuring Rate	1 time/second, nominal	
Response time	Approx. 1 second/ DUT (device under test) (@ manual range)	
Auto Power-Off	5 minutes approx. without operation	
Temperature Coefficient	0.15 x (Specified Accuracy) / °(0-18° or 28-40°)	
Operation Temperature	0° to 40°; 0-70% R.H.	
Storage Temperature	-20° to +50°; 0-80% R.H.	
Low Battery Indication	Approx. 6.8V	
Power Consumption	Approx. 40mA for operation/ 0.08mA after Auto Power-off.	
Power Requirements	1) DC 9V Battery 2) Ext. DC Adaptor: DC 12Vmin -15Vmax. (Load 50mA Min.)	
Protective Fuse	0.1A/250V Fuse (input protective)	
Standard Accessories	Test alligator clips (pair) DC 9V Battery. User manual	