

## LCR-800 Specifications

The specifications apply when the LCR-800 is powered on for at least 30 minutes under +20°C~+30°C.



(LCR-821 rear panel)



(LCR-819/817/816 rear panel)



(LCR-829/827/826 rear panel)

TEST FREQUENCY	
	12Hz ~ 200kHz (504 steps) for LCR-821 12Hz ~ 100kHz(503 steps) for LCR-819/829 12Hz ~ 10kHz(489 steps) for LCR-817/827 100Hz ~ 2kHz (245 steps) for LCR-816/826
BASIC ACCURACY (*)	
	0.05% for basic accuracy for LCR-821/819/817 0.1% for basic accuracy for LCR-829/827/826/816
TEST SPEED	
	68ms for LCR-821/819/817/816, 34ms for LCR-829/827/826
TEST SIGNAL LEVELS	
	5mV ~ 1.275Vrms ( 5mV/step ) for LCR-821/819/829/817/827 0.1V ~ 1.275Vrms ( 5mV/step )for LCR-816/826
DC BIAS	
Internal	2V
External	0 ~ 35V for LCR-821; 0 ~ 30V for LCR-819/829/817/827/816/826
DISPLAY RANGE (**)	
Resistance	R 0.00001Ω ~ 99999kΩ
Capacitance	C 0.00001pF ~ 99999uF
Inductance	L 0.00001mH ~ 99999H
Quality Factor	Q 0.0001 ~ 9999
Dissipation Factor	D 0.0001 ~ 9999
Impedance	Z  0.00001Ω ~ 99999kΩ for LCR-821
Phase Angle (Degree)	θ -180.00° ~ 180.00° for LCR-821
TEST MODE	
	R/Q, C/D, C/R, L/Q, Z/θ, L/R for LCR-821 only
EQUIVALENT CIRCUIT	
	Parallel or series selectable
MEMORY	
	100 memory blocks total

<b>AVERAGE</b>	
	1 to 255 times
<b>TEST SPEED MODE</b>	
	SLOW, MEDIUM and FAST
<b>DISPLAY MODE</b>	
	Value, $\Delta$ , $\Delta\%$
<b>DISPLAY</b>	
	240 x 128 dot matrix C.C.F.L back light LCD
<b>INTERFACE</b>	
	Standard : RS-232C for LCR-821 Standard : Handler Interface for LCR-829/827/826 Optional : RS-232C Interface for LCR-819/817/816 (Including LCR-Viewer Software for RS-232C interface)
<b>POWER SOURCE</b>	
Line Voltage Range	100V - 240V, 47-63Hz/400Hz; Power consumption: 45W max.
<b>DIMENSIONS &amp; WEIGHT</b>	
	330(W) x 149(H) x 437(D)mm; Approx. 5.5kg

(\*) : Basic accuracy varies with the speed, frequency, AC signal level and impedance of the device under test.

(\*\*) : Display range refers to the range of measurement values that can be displayed on the screen. Please see the LCR-800 user manual for the effective measurement ranges.