

# High Precision LCR Meter



LCR-819/829 (12Hz~100kHz)

LCR-817/827 (12Hz~10kHz)

## FEATURES :

- \* **Test Frequency: 12Hz~100kHz(LCR-819/829)**  
12Hz ~ 10kHz(LCR-817/827)
- \* **Continuously Variable Frequencies**
- \* **0.05% High Measurement Accuracy (LCR-819/817/829/827)**
- \* **0.1% Measurement Accuracy (LCR-829/827)**
- \* **100 Sets Memory for Save/Recall of Setup State**
- \* **R/Q, C/D, C/R, L/Q Test Modes**
- \* **Absolute Value,  $\Delta$  Value, and  $\Delta$  % Measurement Display**
- \* **240 x 128 dot Matrix LCD Display**
- \* **Test Condition and Test Result Shown on the Screen Simultaneously**
- \* **Handler Interface (LCR-829/827)**
- \* **Option: RS-232C (Including LCR-Viewer Software) (LCR-819/817)**

## SPECIFICATIONS

<b>TEST FREQUENCY</b>		12Hz ~ 100kHz (503 steps) for LCR-819/829 12Hz ~ 10kHz (489 steps) for LCR-817/827
<b>BASIC ACCURACY</b>		0.05% for LCR-819/817, 0.1% for LCR-829/827
<b>TEST SPEED</b>		68ms for LCR-819/817, 34ms for LCR-829/827
<b>TEST SIGNAL LEVELS</b>		5mV~1.275V (5mV/step)
<b>DC BIAS</b>	<b>Internal</b> <b>External</b>	2V 0 to 30V
<b>DISPLAY RANGE</b>	<b>Impedance/Resistance</b> <b>R</b> <b>Capacitance</b> <b>C</b> <b>Inductance</b> <b>L</b> <b>Quality factor</b> <b>Q</b> <b>Dissipation Factor</b> <b>D</b>	0.00001 $\Omega$ ~ 99999k $\Omega$ 0.00001pF ~ 99999 $\mu$ F 0.00001mH ~ 99999H 0.0001 ~ 9999 0.0001 ~ 9999
<b>TEST MODE</b>		R/Q, C/D, C/R, L/Q
<b>EQUIVALENT CIRCUIT</b>		Parallel or serial selectable
<b>MEMORY</b>		100 memory blocks totally
<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 (OPTION)</b>		RS-232C (Including LCR-Viewer Software) for LCR-819/817
<b>POWER SOURCE</b>		100V ~ 240V, 50/60Hz
<b>ACCESSORIES</b>		Power cord x1, Instruction manual x 1, LCR-06A x 1 Option Fixture : LCR-05, LCR-07, LCR-08, LCR-09
<b>DIMENSIONS &amp; WEIGHT</b>		330 (W) x 149 (H) x 437 (D)mm, Approx. 5.5kg