



LCR-814

Enclosed within a sturdy case, the LCR-814 Hand Held LCR meter is a reliable and easy-to-use workhorse for quick capacitance, inductance, and resistance measurements. A Large 0.5", 3 1/2 digit display guarantees a clear view in typical yet less than perfect conditions, such as field services. But convenience is not the only virtue, with a high 0.1 H/0.1pF/1mΩ resolution, dissipation factor measurement, and zero adjustment for removing lead impedance, the precision of LCR-814 almost replicates true in-circuit measurements.

### LCR-814

- \* 3 LCR Measurement Functions
- \* 1% Basic Accuracy
- \* High Resolution 0.1 μH, 0.1pF and 1mΩ
- \* Dissipation Factor Measurement
- \* Zero Adjustment
- \* Optional Accessory : TL-06 for SMD Type Component

### TL-06 SMD Type Measuring Clip



### SPECIFICATIONS

#### CAPACITANCE

<b>Range</b>	200pF, 2nF, 20nF, 200nF, 2μF, 20μF, 200μF, 2mF, 20mF in 9 ranges
<b>Accuracy</b>	200pF ~ 200μF ±(1% rdg + 2 digits); 2mF ~ 20mF ±(2% rdg + 10 digits)
<b>Dissipation Factor</b>	Range 0 ~ 1.999
<b>Accuracy</b>	2nF ≤ Cx ≤ 2μF ±(1% + 10 + 2000/Cx), 2μF ≤ Cx ≤ 2mF ±(2% + 20 + 2000/Cx)
	200pF, 20mF no specified

#### INDUCTANCE

<b>Range</b>	200μH, 2mH, 20mH, 200mH, 2H, 20H, 200H in 7 ranges
<b>Accuracy</b>	200μH, 2H ~ 20H ±(2% rdg + 2 digits); 2mH ~ 200mH ±(1% rdg + 2 digits)
	200H ±(3% rdg + 2 digits)
<b>Dissipation Factor</b>	Range 0 ~ 1.999
<b>Accuracy</b>	Lx < 200mH ±(1% + 10 + 2000/Lx); 200mH ~ 200H ±(2% + 20 + 2000/Lx)

#### RESISTANCE

<b>Range</b>	2, 20, 200, 2k, 20k, 200k, 2M, 20M in 8 ranges
<b>Accuracy</b>	2 ~ 200k ±(1% rdg + 5 digits); 200k ~ 20M ±(1% rdg + 2 digits);
	2M ~ 20M ±(2% rdg + 2 digits)

#### OTHERS

<b>Low Battery Warning</b>	Show " LO BAT " when the 5% of battery life remained
<b>Current Consumption</b>	10mA
<b>Temperature</b>	Operation 0°C ~ 40°C, Storage -20°C ~ 70°C

#### DISPLAY

0.5", 3 1/2 digits LCD

#### POWER SOURCE

Single 9V 006P battery

#### DIMENSIONS & WEIGHT

88(W) x 40(H) x 177(D) mm; Approx. 400g

### ORDERING INFORMATION

**LCR-814** Hand Held LCR Meter

#### ACCESSORIES :

User manual x 1, Test lead

#### OPTIONAL ACCESSORIES

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