



LCR-814

LCR-814

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

TL-06 SMD Type Measuring Clip



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/1m Ω resolution, dissipation factor measurement, and zero adjustment for removing lead impedance, the precision of LCR-814 almost replicates true in-circuit measurements.



SPECIFICATIONS

CAPACITANCE

| | |
|---------------------------|--|
| Range | 200pF, 2nF, 20nF, 200nF, 2 μ F, 20 μ F, 200 μ F, 2mF, 20mF in 9 ranges |
| Accuracy | 200pF ~ 200 μ F \pm (1% rdg + 2 digits); 2mF ~ 20mF \pm (2% rdg + 10 digits) |
| Dissipation Factor | Range 0 ~ 1.999 |
| Accuracy | 2nF \leq Cx \leq 2 μ F \pm (1% + 10 + 2000/Cx), 2 μ F \leq Cx \leq 2mF \pm (2% + 20 + 2000/Cx) |
| | 200pF, 20mF no specified |

INDUCTANCE

| | |
|---------------------------|--|
| Range | 200 μ H, 2mH, 20mH, 200mH, 2H, 20H, 200H in 7 ranges |
| Accuracy | 200 μ H, 2H ~ 20H \pm (2% rdg + 2 digits); 2mH ~ 200mH \pm (1% rdg + 2 digits) |
| | 200H \pm (3% rdg + 2 digits) |
| Dissipation Factor | Range 0 ~ 1.999 |
| Accuracy | Lx < 200mH \pm (1% + 10 + 2000/Lx); 200mH ~ 200H \pm (2% + 20 + 2000/Lx) |

RESISTANCE

| | |
|-----------------|---|
| Range | 2 , 20 , 200 , 2k , 20k , 200k , 2M , 20M in 8 ranges |
| Accuracy | 2 \pm (1% rdg + 5 digits); 20 ~ 200k \pm (1% rdg + 2 digits); |
| | 2M ~ 20M \pm (2% rdg + 2 digits) |

OTHERS

| | |
|----------------------------|--|
| Low Battery Warning | Show " LO BAT " when the 5% of battery life remained |
| Current Consumption | 10mA |
| Temperature | Operation 0 $^{\circ}$ C ~ 40 $^{\circ}$ C, Storage -20 $^{\circ}$ C ~ 70 $^{\circ}$ 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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