

# Passive Component LCR Meter



## Measures Inductance, Capacitance, and Resistance

With secondary parameter Q (Quality), D (Dissipation), R (Resistance),  $\theta$  (Phase), ESR (Equivalent Series Resistance)

### Features:

- Simultaneous 20,000/2,000 count backlit display of the primary parameter (L, C or R) with the secondary parameter of Q (quality), D (dissipation) R (resistance),  $\theta$ (phase), or ESR (equivalent series resistance)
- Auto Select measurement function with 1kHz default test frequency
- Five test frequencies
- Set Hi/Lo limits using absolute values or percentage limits
- Relative mode function
- Parallel or Series equivalent circuit
- Auto power off with disable
- Low battery and overrange indicators
- Built-in test fixture or use external test leads
- Open and Short calibration removes unwanted stray impedances from the measurement
- Complete with test leads and 9V battery
- Optional SMD Tweezer (LCR203), plug-in SMD Component Fixture (LCR205), and pouch case (CA900)



LCR203 SMD Tweezer

LCR205 SMD Component Fixture

| Specifications | Ranges   | Basic Accuracy                                 |
|----------------|--|--|
| Inductance     | 20 $\mu$ H, 200 $\mu$ H, 2000.0 $\mu$ H, 20.0000mH, 200.00mH<br>2000.0H, 20.000H, 200.00H, 2000.0H   | $\pm(0.5\%rdg + 5 \text{ digits})$<br>(DF<0.1) |
| Capacitance    | 20pF, 200pF, 2000pF, 20.000nF, 200.00nF, 2000.0nF<br>20.000 $\mu$ F, 200.00 $\mu$ F, 2.0000mF, 20.00mF   | $\pm(0.5\%rdg + 5 \text{ digits})$<br>(DF<0.1) |
| Resistance     | 20.00 $\Omega$ , 200.00 $\Omega$ , 2.0000k $\Omega$ , 20.000k $\Omega$ ,<br>200.00k $\Omega$ , 2.0000M $\Omega$ , 20.000M $\Omega$ , 200.0M $\Omega$ | $\pm(0.5\%rdg + 5 \text{ digits})$             |
| DF (with C)    | 0.000 to 999   |  |
| Q              | 0.000 to 999   |  |
| Phase          | $\pm 90^\circ$   |  |
| Test Frequency | 100Hz/120Hz/1kHz/10kHz/100kHz  |  |
| Dimensions     | 7.6 x 3.5 x 1.6" (193 x 88 x 41mm)   |  |
| Weight         | 14.8oz (420g)  |  |

### Ordering Information:

LCR200 .....Passive Component LCR Meter

#### Accessories

LCR203 .....SMD Tweezer for Model LCR200

LCR205 .....SMD Component Fixture For Model LCR200

CA900 .....Large soft carrying case fits meter and accessories

