

LCR Meter

- Measures L, C, R, $|Z|$, Q and D
- Displays component value, Q or D, Delta, or Delta%
- 5 digit display for component value and Q/D
- Auto ranging or Range hold
- Built-in comparator with 4 bin-sorting function
- Open and short circuit calibration for accurate zeroing
- Series and parallel equivalent circuit modes
- Three test frequencies
- Warning alarm for pass or fail binning
- Easy to use



Z8200

SPECIFICATIONS

Measurements

Components:

L (Inductance)
C (Capacitance)
R (Resistance)
Z (Impedance)

Circuit Configuration: Series and Parallel

Parameters Displayed: Measured values, absolute Delta and Delta %

Resistance/Impedance

Measured Parameter: R + Q and $|Z|$

Measurement Range:

R: 1m Ω to 999.99M Ω
Q: 0.0001 to 99999

Inductance

Measured Parameter: L + Q

Measurement Range:

L: 1 μ H to 999.99H (100Hz & 120Hz)
L: 0.1 μ H to 999.99 (1KHz)
Q: 0.0001 to 99999

Capacitance

Measured Parameter: C + D

Measurement Range:

C: 1pF to 999.99 μ F
D: 0.0001 to 99999

Test Environment

Test Frequency: 100Hz, 120Hz, 1KHz

Test Voltage: 0.3V RMS

Drive Voltage Accuracy: $\pm 10\%$

Measurement Rate: 2 Measurements/Sec

Ranging: Auto or Hold

Measurement Accuracy

Basic Accuracy: $\pm 0.3\%$ @ 23°C $\pm 5^\circ$ C

(See user manual for detailed accuracy conditions)

Zero Input Correction: Open and short circuit

General Specifications

Power Requirement: AC Voltage Input: 120/220V

Frequency: 50/60Hz

Power Consumption: 10W (Max)

Operating Temperature: 0 to 40°C at $\leq 85\%$ Relative Humidity

Size: 4.3" H x 10.6" W x 10.2" D

Weight: 5.5 lbs

Accessories: Manual, Line cord, Test leads with Kelvin clips