

LCR METER

TECHNICAL DATA

FEATURES

- Measure inductance/capacitance/resistance with secondary parameters including dissipation factor (D), quality factor (Q), phase angle (ϕ), equivalent series/parallel resistance (ESR or Rp)
- Autoranging operation for AC impedance and DC resistance measurement
- Auto LCR smart check and measurement
- Series/Parallel modes
- Ls/Lp/Cp with D/Q/ ϕ /ESR parameters
- Support DCR mode 200 to 200M Ω
- High accuracy with 4 or 5 terminal Kelvin measurement
- Testing frequency is up to 10kHz and output frequency is up to 100kHz
- Dual display with backlight
- Data hold function
- Low battery indication with auto power off
- Dust and water proof to IP67
- Includes test leads and batteries

SPECIFICATIONS

INDUCTANCE (F=1kHz)

Range: 2000.0 μ H/20.000/200.0/2000.0mH/20.000/
200.00/2000.0H

Resolution: 0.1/1 μ H/0.01/0.1/1mH/0.01/1H

Accuracy: $\pm(1.5\% +15 \text{ dgt.})$

CAPACITANCE (F=1kHz)

Range: 2000.0pF/20.000/200.00/2000.0nF/20.00/
200.00/2000 μ F

Resolution: 0.01/0.1/1pF/0.01/0.1/1nF/0.1 μ F

Accuracy: $\pm(1.0\% +10 \text{ dgt.})$



SPECIFICATIONS

RESISTANCE (F=1kHz)

Range: 20.000/200.00 Ω /2.0000/20.000/200.00k Ω /
2.0000/20.000/200.0M Ω

Resolution: 0.01/0.1/1 Ω /0.01/0.1/1k Ω /0.1M Ω

Accuracy: $\pm(1.5\% +5 \text{ dgt.})$

Test Frequencies: 100/120/1k/10k/100k Hz

Test Signal Level: 0.5 VAC rms typical

Power Supply: 6 x 1.5V AA batteries

Dimensions: 220 x 96 x 60mm (8.6 x 3.7 x 2.4")

Weight: 360g (0.8 lb)

ORDERING INFORMATION

R5001 LCR Meter
CERTIMM2..... NIST Calibration Certificate
R5001-NIST LCR Meter & NIST

Contact:

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