



LCR-8101(1MHz)

NEW


The LCR-8101 1MHz precision LCR meter provides accuracy and versatility for a wide range of component measurements, even including DC resistance measurement and Voltage/Current monitoring. High resolution and accuracy provide precise measurement results which helps reconstructing component characteristics. Multi-Step function allows customized measurement with Pass/Fail indication, in accordance with to the users' requirements. Parameters and limitations are defined separately for each program step. GPIB and RS-232C interface are installed as standard features for controlling the instrument and reading the measurement results. Optional Graph Mode function can display component characterization over a wide frequency range in graph charts. The rich features of LCR-8101 relieve your measurement tasks at a very competitive price.

FEATURES

- * Test Frequency 20Hz ~ 1 Mhz
- * 6 Digit Measurement Resolution
- * DC Resistance Measurement
- * Monitoring of DUT Voltage and Current
- * 0.1% Basic Measurement Accuracy
- * Comprehensive Measurement Functions
- * GPIB Interface
- * Large LCD Display
- * Intuitive User Interface
- * Multi Step Mode
- * PASS/FAIL Comparator
- * Graph Mode (Option)

SPECIFICATIONS

TEST FREQUENCY

20Hz ~ 1MHz, 5 Digits, $\pm 0.005\%$

INPUT IMPEDANCE

100 Ω

BASIC ACCURACY

$\pm 0.1\%$ (R, Z, X, G, Y, B, L, C)

TEST SPEED

AC

MAX: 75mS

FAST: 150mS

MEDIUM: 450mS

SLOW: 600mS

DC

MAX: 30mS

FAST: 60mS

MEDIUM: 120mS

SLOW: 500mS

TEST SIGNAL LEVELS

10mV~2Vrms, 1mV/Step, $\pm 2.5\%$

SHORT CIRCUIT CURRENT

20mA ~ 100mA

MEASUREMENT RANGES

R, Z, X

G, Y, B

L

C

D

Q

Rdc

0.1m Ω ~ 1M Ω

10nS ~ 1kS

0.1nH ~ 100kH

0.001pF ~ 1F

0.0001 ~ 9.9999

0.1 ~ 9999.9

0.1m Ω ~ 100M Ω

MEASUREMENT PARAMETERS

Impedance (Z), Phase Angle (\angle), Inductance (L), Capacitance (C), AC Resistance (Rac), Quality Factor (Q), Dissipation Factor (D), Admittance (Y), Conductance (G), Reactance (X), Susceptance (B), DC Resistance (Rdc)

SERIES OR PARALLEL EQUIVALENT CIRCUIT

C + R, C + D, C + Q, L + R, L + Q

SERIES EQUIVALENT CIRCUIT ONLY

X + R, X + D, X + Q

PARALLEL EQUIVALENT CIRCUIT ONLY

C + G, B + G, B + D, B + Q

POLAR FORM

Z + Phase Angle, Y + Phase Angle

LCD DISPLAY

320 x 240 DOT-MATRIX

INTERFACE

RS-232, GPIB

POWER SOURCE

115V/230V AC(SELECTABLE), 50/60Hz

ACCESSORIES

User manual x1, Power cord, Test lead LCR-12 x 1

DIMENSIONS & WEIGHT

330(W) x 170(H) x 340(D)mm, Approx. 5kg



LCR-8101

Rear Panel



ORDERING INFORMATION

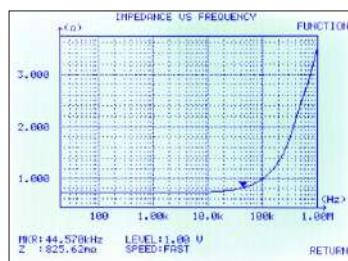
LCR-8101 1MHz Precision LCR Meter

Option

Opt.01 Graph Mode (factory installed)

OPTION - Graph Mode

Display of component characterization over a wide frequency range in graph charts.



LCR-12

Measurement Connections

4 front panel BNC sockets with screens at ground potential.

For : LCR-8101



Obchodné zastúpenie

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