

The Smarter way to Characterize Components



NEW



LCR-8200 Series

High Frequency LCR Meter

- Wide Test Frequency 10Hz ~ 30MHz/20MHz/10MHz/5MHz/1MHz
- 7" LCD color Display
- 0.08% Basic Accuracy
- Displaying Four Measurement Results Simultaneously From 17 Selectable Measurement Parameters Freely
- 15 Steps List Measurement
- Two Curves Sweep Mode
- Internal DC Bias Voltage $\pm 12V$
- USB Storage Available
- ALC Function Available
- Standard Interfaces : RS-232C, USB Host/Device, LAN, GPIB and Handler
- Universal Power Input



Diverse Meas. Item & Display

Four Displayed items can be selected from 17 measurement parameters freely



Two Curves Graphic

7" color display, under graphic mode is capable to display two parameters sweep curve



SPECIFICATIONS

	LCR-8230	LCR-8220	LCR-8210	LCR-8205	LCR-8201
TEST FREQUENCY	DC, 10Hz~30MHz; 6 Digits, $\pm 0.0007\%$	DC, 10Hz~20MHz; 6 Digits, $\pm 0.0007\%$	DC, 10Hz~10MHz; 6 Digits, $\pm 0.0007\%$	DC, 10Hz~5MHz; 6 Digits, $\pm 0.0007\%$	DC, 10Hz~1MHz; 6 Digits, $\pm 0.0007\%$
OUTPUT IMPEDANCE	25 Ω / 100 Ω SELECTABLE				
BASIC ACCURACY	$\pm 0.08\%$				
TEST SPEED	MAX: 2.5ms(>10kHz), FAST: 50ms(>20Hz), MEDIUM: 100ms SLOW: 300ms, SLOW2: 600ms				
TEST SIGNAL LEVEL	AC Voltage 10mV ~ 2Vrms (FREQ. ≤ 1 MHz), 10mV ~ 1Vrms (FREQ. > 1MHz or FREQ. ≤ 1 MHz and RO=25 Ω) AC Current 100 μ A ~ 20mA rms (RO=100 Ω), 400 μ A ~ 40mA rms (RO=25 Ω) DCR Voltage 1Vdc (40mA max.)				
MEASUREMENT PARAMETERS	Maximum four parameters can be measured and displayed at the same time Impedance (Z), Inductance (Ls / Lp), Capacitance (Cs / Cp), AC Resistance (Rs / Rp), Quality Factor (Q), Dissipation Factor (D), Admittance (Y), Conductance (G), Reactance (X), Phase Angle ($\theta d / \theta r$), Susceptance (B), DC Resistance (Rdc)				
LIST MEASUREMENT	Listed Steps 15 Listed Parameters Freq/Vac/Iac/DC Bias/Comp/BIN Trigger AUTO, REPEAT, SINGLE				
SWEEP MEASUREMENT	Swept Graphical Two of measurement parameters Swept Parameters Freq/Vac/Iac, Keep Trace				
OTHER FUNCTIONS	Auto Level Control (ALC) Standard DC Bias 0 ~ ± 12 V Handler PASS, FAIL and OK, NG or BIN 1-9				
OTHER FEATURES	Correction Open/Short/HF Load/Load V/I Monitor Vac, Iac, Vdc, Idc Comparator Value, Δ , $\Delta\%$ Buzzer OFF, Pass, Fail Average 1 to 64				
DISPLAY	7" LCD color display (800 x 480)				
INTERFACE	USB/GPIB/LAN/RS-232/Handler/USB Host/TRIGGER Input				
POWER SOURCE	AC 100V~240V, 50/60Hz; Consumption: 65VA (max.)				
DIMENSIONS & WEIGHT	346 (W) x 145 (H) x 335 (D) mm; Approx. 3.3kg				

Specifications subject to change without notice.

LCR-8000CD1DS

ORDERING INFORMATION

LCR-8230 DC, 10Hz~30MHz High Frequency LCR Meter
LCR-8220 DC, 10Hz~20MHz High Frequency LCR Meter
LCR-8210 DC, 10Hz~10MHz High Frequency LCR Meter
LCR-8205 DC, 10Hz~5MHz High Frequency LCR Meter
LCR-8201 DC, 10Hz~1MHz High Frequency LCR Meter

ACCESSORIES

User Manual (CD) x 1, AC Power Cord x 1, Test Fixture LCR-06B x 1,
Safety Sheet x 1

OPTION ASSESSORIES

LCR-05A Test Fixture for Axial & Radial Lead Components
(up to 30MHz)

LCR-06B Test Lead with Kelvin clip(4 wire type)

LCR-07 Test Lead with Alligator clip(2 wire type)

LCR-08 Test Fixture(Tweezers) for SMD/Chip Components

LCR-10A Test Fixture for Bottom Electrode Components(up to 30MHz)

LCR-12 Test Lead with Kelvin clip(4 wire type)

LCR-15A Test Fixture for SMD/Chip
components (up to 30MHz)

GTL-234 RS-232C cable

GTL-248 GPIB Cable

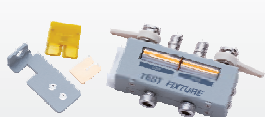
GTL-246 USB Cable

LCR-DB1 External DC Bias Voltage Box

FREE DOWNLOAD

PC Software LCR Meter

LCR-05A



LCR-06B



LCR-07



LCR-08



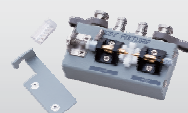
LCR-10A



LCR-12



LCR-15A



LCR-DB1



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