

The Smarter way to Characterize Components



NEW



LCR-8200 Series

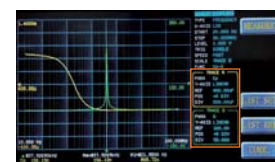
High Frequency LCR Meter

- 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

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GW INSTEK
Simply Reliable

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 (θ d / θ 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	OPTION ASSESSORIES	
LCR-8230 DC, 10Hz~30MHz High Frequency LCR Meter	LCR-05A Test Fixture for Axial & Radial Lead Components (up to 30MHz)	LCR-15A Test Fixture for SMD/Chip components (up to 30MHz)
LCR-8220 DC, 10Hz~20MHz High Frequency LCR Meter	LCR-06B Test Lead with Kelvin clip(4 wire type)	GTL-234 RS-232C cable
LCR-8210 DC, 10Hz~10MHz High Frequency LCR Meter	LCR-07 Test Lead with Alligator clip(2 wire type)	GTL-248 GPIB Cable
LCR-8205 DC, 10Hz~5MHz High Frequency LCR Meter	LCR-08 Test Fixture(Tweezers) for SMD/Chip Components	GTL-246 USB Cable
LCR-8201 DC, 10Hz~1MHz High Frequency LCR Meter	LCR-10A Test Fixture for Bottom Electrode Components(up to 30MHz)	LCR-DB1 External DC Bias Voltage Box
ACCESSORIES	LCR-12 Test Lead with Kelvin clip(4 wire type)	
User Manual (CD) x 1, AC Power Cord x 1, Test Fixture LCR-06B x 1, Safety Sheet x 1	FREE DOWNLOAD	
	PC Software LCR Meter	



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