

The Smarter way to Characterize Components



NEW



LCR-8200 Series

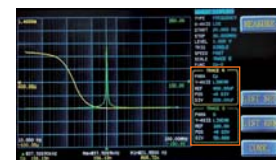
High Frequency LCR Meter

- 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

GW INSTEK
Simply Reliable

SPECIFICATIONS					
	LCR-8230	LCR-8220	LCR-8210	LCR-8205	LCR-8201
TEST FREQUENCY					
	DC, 10Hz~30MHz; 6 Digits, ±0.0007%	DC, 10Hz~20MHz; 6 Digits, ±0.0007%	DC, 10Hz~10MHz; 6 Digits, ±0.0007%	DC, 10Hz~5MHz; 6 Digits, ±0.0007%	DC, 10Hz~1MHz; 6 Digits, ±0.0007%
OUTPUT IMPEDANCE					
	25 Ω / 100 Ω SELECTABLE				
BASIC ACCURACY					
	±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. ≤1MHz), 10mV ~ 1Vrms (FREQ. > 1MHz or FREQ. ≤1MHz and RO=25 Ω)				
AC Current	100 μ A ~ 20mArms (RO=100 Ω), 400 μ A ~ 40mArms (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 ~ ±12V				
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, Δ%				
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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