

The Smarter way to Characterize Components



NEW



LCR-8200 Series

High Frequency LCR Meter

- Wide Test Frequency 10Hz ~ 30MHz/20MHz/10MHz/5MHz
- 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
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%
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 AC Current DCR Voltage	10mV ~ 2Vrms (FREQ. ≤1MHz), 10mV ~ 1Vrms (FREQ. > 1MHz or FREQ. ≤1MHz and RO=25Ω) 100 μA ~ 20mArms (RO=100Ω), 400 μA ~ 40mArms (RO=25Ω) 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 Listed Parameters Trigger	15 Freq/Vac/Iac/DC Bias/Comp/BIN AUTO, REPEAT, SINGLE			
SWEEP MEASUREMENT				
Swept Graphical Swept Parameters	Two of measurement parameters Freq/Vac/Iac, Keep Trace			
OTHER FUNCTIONS				
Auto Level Control (ALC) DC Bias Handler	Standard 0 ~ ±12V PASS, FAIL and OK, NG or BIN 1-9			
OTHER FEATURES				
Correction V/I Monitor Comparator Buzzer Average	Open/Short/HF Load/Load Vac, Iac, Vdc, Idc Value, Δ, Δ% OFF, Pass, Fail 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-8000CD1DH

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

OPTION ASSESSORIES	
LCR-05 Test Fixture(DIP)	GTL-232 RS232C Cable
LCR-07 Test Fixture(Clip)	GTL-246 USB Cable
LCR-08 Test Fixture(SMD)	GTL-248 GPIB Cable
LCR-12 Test Fixture(Clip)	DC Bias Voltage Box External DC Bias Voltage Box
LCR-15 Test Fixture(SMD)	
FREE DOWNLOAD	
PC Software	LCR Meter

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