

The Smarter way to Characterize Components



NEW



LCR-8200 Series

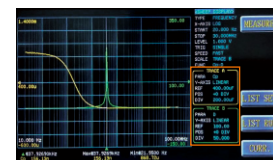
High Frequency LCR Meter

- 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

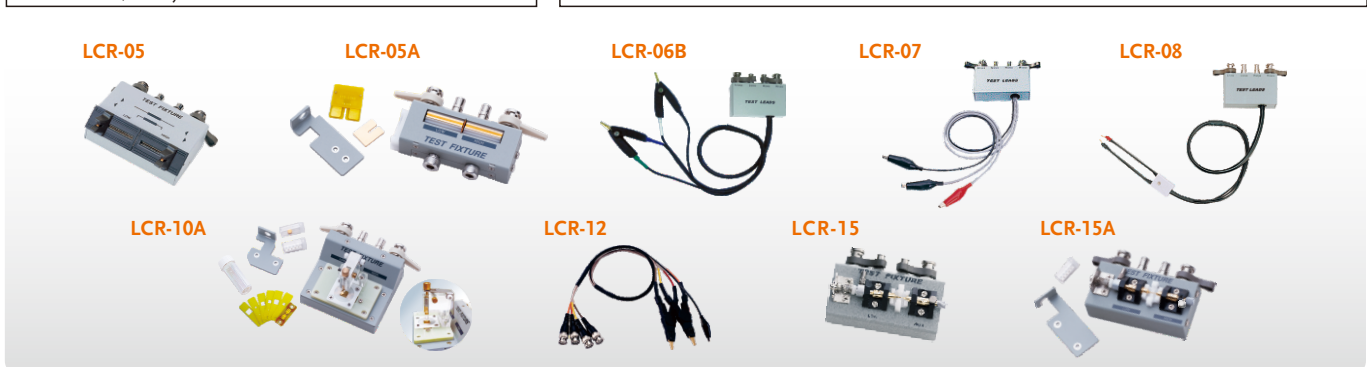
www.gwinstek.com

GW INSTEK
Simply Reliable

SPECIFICATIONS				
	LCR-8230	LCR-8220	LCR-8210	LCR-8205
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, $\pm 0.0007\%$
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 (RO=100 Ω), 400 μ A ~ 40mA (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	OPTION ASSESSORIES
LCR-8230 DC, 10Hz~30MHz High Frequency LCR Meter	LCR-05 Test Fixture for axial & radial lead components
LCR-8220 DC, 10Hz~20MHz High Frequency LCR Meter	LCR-05A Test Fixture for axial & radial lead components(up to 30MHz)
LCR-8210 DC, 10Hz~10MHz High Frequency LCR Meter	LCR-06B Test Lead with Kelvin clip(4 wire type)
LCR-8205 DC, 10Hz~5MHz High Frequency LCR Meter	LCR-07 Test Lead with Alligator clip(2 wire type)
ACCESSORIES	LCR-08 Test Fixture(Tweezers) for SMD/Chip components
User Manual (CD) x 1, AC Power Cord x 1, Test Fixture	LCR-10A Test Fixture for bottom electrode components(up to 30MHz)
LCR-06B x 1, Safety Sheet x 1	LCR-12 Test Lead with Kelvin clip(4 wire type)
	LCR-15 Test Fixture for SMD/Chip components
	LCR-15A Test Fixture for SMD/Chip components (up to 30MHz)
	GTL-234 RS-232C cable
	GTL-248 GPIB Cable
	GTL-246 USB Cable
	DC Bias Voltage Box External DC Bias Voltage Box
	FREE DOWNLOAD
	PC Software LCR Meter



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