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LCR-8200A/LCR-8200 Series Specifications

The specifications apply when the LCR-8200A/LCR-8200 series are powered on for at least 60 minutes.





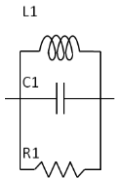
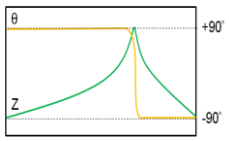
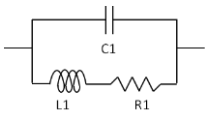
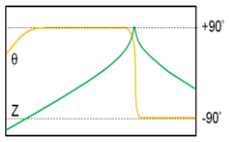
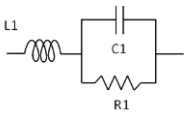
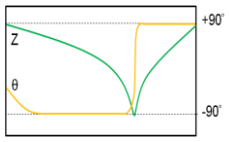
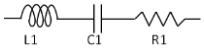
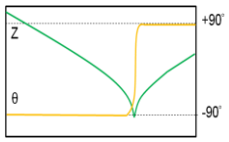


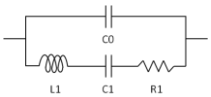
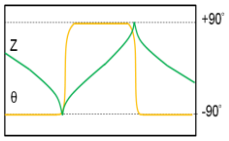
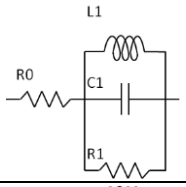
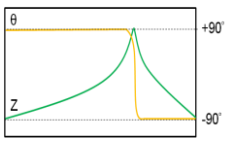
SPECIFICATION						
MODEL	**LCR-8250A**	**LCR-8230A**	**LCR-8220A**	**LCR-8210A**	**LCR-8205A**	**------**
	------	**LCR-8230**	**LCR-8220**	**LCR-8210**	**LCR-8205**	**LCR-8201**
TEST FREQUENCY						
	DC, 10Hz~50MHz; 6 Digits, ±0.0007%	DC, 10Hz~30MHz; 6 Digits, ±0.0007%	DC, 10Hz~20MHz; 6 Digits, ±0.0007%	DC, 10Hz~10MHz; 6 Digits, ±0.0007%	DC, 10Hz~5MHz; 6 Digits, ±0.0007%	DC, 10Hz~1MHz; 6 Digits, ±0.0007%
OUTPUT IMPEDANCE						
	25Ω / 100Ω 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) 100μA ~ 20mArms (RO=100Ω), 200μA ~ 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 (θd / θr), 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/BIAS V, Keep Trace					

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SPECIFICATION						
MODEL	**LCR-8250A**	**LCR-8230A**	**LCR-8220A**	**LCR-8210A**	**LCR-8205A**	**------**
	------	**LCR-8230**	**LCR-8220**	**LCR-8210**	**LCR-8205**	**LCR-8201**
EQUIVALENT CIRCUIT MODEL ANALYSIS (“A” series only)						
	7 different equivalent circuit models. The 3-components analysis model is composed of 4 types, and the 4-components analysis model covers 3 types.					
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 (800x480)					
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					

Ps: Difference between “A” series and “Non-A” series is only the “A” series provides the equivalent circuit model analysis.

	Equivalent Circuit Model	Typical Frequency Characteristics
A		
B		
C		
D		

	Equivalent Circuit Model	Typical Frequency Characteristics
E		
F		
G	