

LCR-8200 Series Specifications

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



SPECIFICATION				
MODEL	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: 25ms(>10kHz), FAST: 50ms(>20Hz), MEDIUM: 100ms SLOW: 300ms, SLOW2: 600ms			
TEST SIGNAL LEVEL				
AC Voltage:	10mV ~ 2Vrms (FREQ. \leq 1MHz), 10mV ~ 1Vrms (FREQ. > 1MHz or FREQ. \leq 1MHz and RO=25 Ω)			
AC Current:	100 μ A ~ 20mArms (RO=100 Ω), 200 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 (θd / θr), Susceptance (B), DC Resistance (Rdc)			
LIST MEASUREMENT				
Listed Steps:	15			
Listed Parameters:	Freq/Vac/Iac/DC Bias/Comp/BIN			
Trigger:	AUTO, REPEAT, SINGLE			

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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 (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			