

LCR-8200 Series Specifications

All specification apply at $23 \pm 5^\circ\text{C}$, unless otherwise stated, and 30 minutes after the instrument has been turned on



SPECIFICATIONS					
MODEL	LCR-8230	LCR-8220	LCR-8210	LCR-8205	LCR-8201
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, $\pm 0.0007\%$	DC, 10Hz~1MHz; 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. $\leq 1\text{MHz}$), 10mV ~ 1Vrms (FREQ. > 1MHz or FREQ. $\leq 1\text{MHz}$ and RO=25 Ω)				
AC Current:	100 μA ~ 20mArms (RO=100 Ω), 200 μA ~ 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				

MODEL	LCR-8230	LCR-8220	LCR-8210	LCR-8205	LCR-8201
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				
GENERAL					
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				