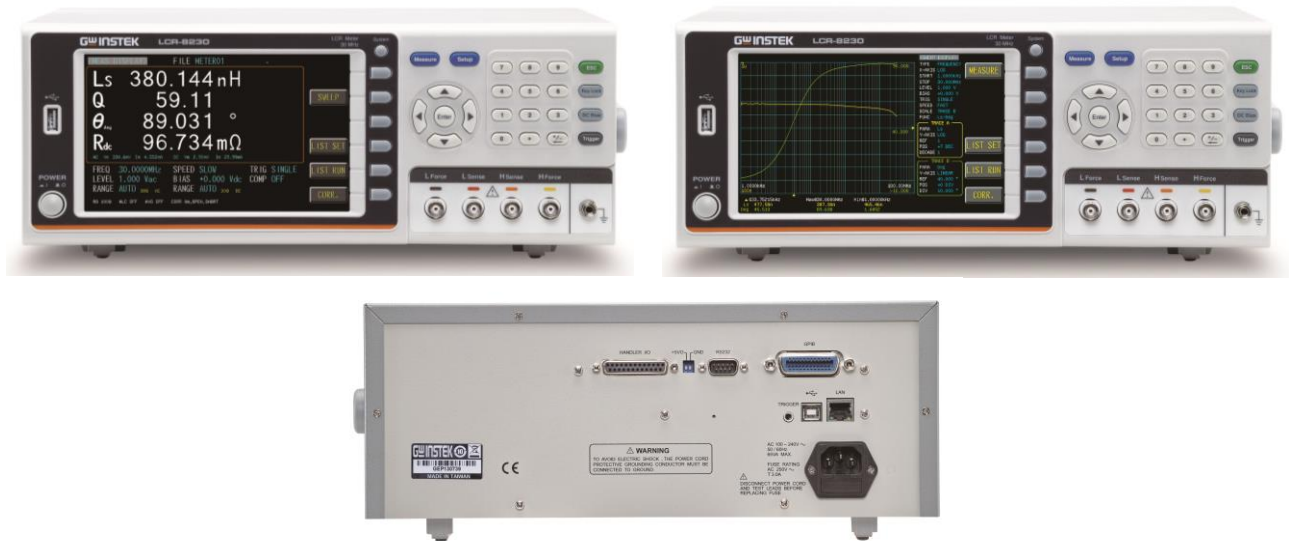


## LCR-8200 Series Specifications

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	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 $\Omega$ / 100 $\Omega$ 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. $\leq$ 1MHz), 10mV ~ 1Vrms (FREQ. > 1MHz or FREQ. $\leq$ 1MHz and RO=25 $\Omega$ )				
AC Current:	100 $\mu$ A ~ 20mArms (RO=100 $\Omega$ ), 200 $\mu$ A ~ 40mArms (RO=25 $\Omega$ )				
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				

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, $\Delta$ , $\Delta$ %				
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				

Cosinus Messtechnik GmbH \* Rotwandweg 4 \* D-82024 Taufkirchen  
Tel.: 089-665594-0 \* Fax: 089-665594-30 \* Web: [www.cosinus.de](http://www.cosinus.de) \* eMail: [office@cosinus.de](mailto:office@cosinus.de)