

## LCR-8000G Specifications

The specifications apply when the LCR-8000G is powered on for at least 60 minutes under +18°C~+28°C



<b>TEST FREQUENCY</b>	
20Hz ~ 10 / 5 / 1 MHz, 5 Digits, ±0.005%	
<b>OUTPUT IMPEDANCE</b>	
100Ω	
<b>BASIC ACCURACY (*)</b>	
±0.1% (R, Z, X, G, Y, B, L, C)	
<b>TEST SPEED</b>	
AC (> 2kHz)	DC
MAX: 75mS	MAX: 30mS
FAST: 150mS	FAST: 60mS
MEDIUM: 450mS	MEDIUM: 120mS
SLOW: 600mS	SLOW: 900mS
<b>TEST SIGNAL LEVELS</b>	
≤ 3MHz : 10mV~2Vrms, 1mV/Step or 10mV/Step, 2%±5mV	
> 3MHz : 10mV~1Vrms, 1mV/Step or 10mV/Step, 2%±5mV	
<b>SHORT CIRCUIT CURRENT</b>	
Max. 20mA	
<b>DISPLAY RANGES</b>	
R, Z, X	0.1mΩ ~ 100MΩ
G, Y, B	10nS ~ 1000S
L	0.1nH ~ 100kH
C	0.01pF ~ 1F
D	0.00001 ~ 9.9999
Q	0.1 ~ 9999.9
θ	-180° ~ +180°
Rdc	0.1mΩ ~ 100MΩ
<b>MEASUREMENT PARAMETERS</b>	
Impedance (Z), Phase Angle (θ), Inductance (L), Capacitance (C), AC Resistance (Rac), Quality Factor (Q), Dissipation Factor (D), Admittance (Y), Conductance (G), Reactance (X), Susceptance (B), DC Resistance (Rdc)	
<b>SERIES OR PARALLEL EQUIVALENT CIRCUIT</b>	
C + R, C + D, C + Q, L + R, L + Q, L + D	

SERIES EQUIVALENT CIRCUIT ONLY
X + R, X + D, X + Q
PARALLEL EQUIVALENT CIRCUIT ONLY
C + G, B + G, B + D, B + Q, B + R, L + G
POLAR FORM
Z + Phase Angle, Y + Phase Angle
AVERAGE
1 ~ 256 TIMES
LCD DISPLAY
320 x 240 DOT-MATRIX
INTERFACE
RS-232, GPIB
POWER SOURCE
AC 115V(+10% / -25%), 230V(+15% / -14%) (Selectable), 50/60Hz; Consumption: 12W (max.)
DIMENSIONS & WEIGHT
330(W) x 170(H) x 340(D)mm, Approx. 5kg

(\*) : Basic accuracy varies with the speed, frequency, AC signal level and impedance of the device under test.