

LCR-6000 Specifications

The specifications apply when the LCR-6000 is powered on for at least 60 minutes under +18°C~+28°C.



TEST FREQUENCY	
	LCR-6300: 10Hz~300kHz(±0.01%) (4 digits resolution) LCR-6200: 10Hz~200kHz(±0.01%) (4 digits resolution) LCR-6100: 10Hz~100kHz(±0.01%) (4 digits resolution) LCR-6020: 10Hz~20kHz(±0.01%) (4 digits resolution) LCR-6002: 10Hz~2kHz(±0.01%) (4 digits resolution)
OUTPUT IMPEDANCE	
	30Ω / 50Ω / 100Ω selectable
BASIC ACCURACY	
Slow / Med	0.05%
Fast	0.1%
TEST SPEED	
	FAST:25ms / MED:100ms / SLOW:333ms
TEST SIGNAL LEVELS	
AC Voltage	10.00mV- 2.00V (±10%) CV :10.00mV- 2.00V(±6%)
Current	100.0μA- 20.00mA (±10%) CC :100.0μA- 20.00mA(±6%) (@2VMax)
DCR	±1V(2Vpp), Square wave, 3Hz up 0.033A(Max)
DC BIAS	
Internal	±2.5V (0.5%+0.005V)
DISPLAY RANGE	
R, X, Z	0.00001Ω ~ 99.9999MΩ
G, B, Y	0.01nS ~ 999.999S
L	0.00001μH ~ 9999.99H
C	0.00001pF ~ 9999.99mF
D	0.00001 ~ 9.99999
Q	0.00001 ~ 99999.9
θd	-179.999° ~ 179.999°
θr	-3.14159 ~ 3.14159
DCR	0.00001Ω ~ 99.9999MΩ
Δ%	-99999% ~ 99999%
TEST MODE	
16 Combinations	Cs-Rs, Cs-D, Cp-Rp, Cp-D, Lp-Rp, Lp-Q, Ls-Rs, Ls-Q, Rs-Q, Rp-Q, R-X, Z-θr, Z-θd, Z-D, Z-Q, DCR
Monitor parameter (2 selectable)	Z, D, Q, Vac, Iac, Δ, Δ%, θr, θd, R, X, G, B, Y
LISTED MODE	
	10 steps
BIN FUNCTION	
	Comparator (9BIN,AUX:1BIN)
MEMORY	
INT – panel setting	10 file name

INT – measured data	10000 Data(.csv)
USB storage	10 file name for setting, 9999 file name for data, 999 Log file for LCD screen
OTHER FUNCTION	
Auto Level Control (ALC)	ON/OFF
Average	1~256 times
Trigger	INT / MAN / EXT / BUS
Delay	0ms~60s
Judgment	PASS / FAIL
Auto LCZ	ON / OFF
Screen Capture	Saving in to USB (Bmp file)
DISPLAY	
	3.5'LCD, RGB color (320x240)
INTERFACE	
	RS-232(SCPI), Handler, USB Host
POWER SOURCE	
	AC 90V-250V, 50-60Hz, Max. 30VA
DIMENSION & WEIGHT	
	265(W)x107(H)x312(D) mm, Approx.3kg