

Datasheet

Precision LCR Meter

Stock No. :	Model :
1176718	LCR-6002 : 10Hz ~ 2kHz($\pm 0.01\%$) (4 digits resolution)
1176717	LCR-6020 : 10Hz ~ 20kHz($\pm 0.01\%$) (4 digits resolution)
1176716	LCR-6100 : 10Hz ~ 100kHz($\pm 0.01\%$) (4 digits resolution)
1176715	LCR-6200 : 10Hz ~ 200kHz($\pm 0.01\%$) (4 digits resolution)
1176714	LCR-6300 : 10Hz ~ 300kHz($\pm 0.01\%$) (4 digits resolution)



FEATURES

- 3.5" Color LCD
- 5 Models (10Hz ~ 2kHz/20kHz/100kHz/200kHz/300kHz)
- Consecutive Test Frequency
- Basic Accuracy : 0.05%
- Measuring Speed up to 25ms (Max.)
- Full Frequency Range or Spot OPEN/SHORT
- 16 Major/Secondary Parameter Measurement Combinations and Two Additional Monitoring Parameters (Maximum Four Different Parameters Can be Shown Simultaneously)
- DCR Measurement and Internal D.C. Bias Voltage ($\pm 2.5V$)
- PASS/FAIL Judgment
- Auto Level Control (ALC) Function
- BIN Function Provides 9BIN and 1AUX, Totally 10 BIN
- 10 Steps Listed Tests to Select Different Frequency, Voltage and Current Criteria
- Standard Interface : RS-232C, Handler and USB Storage
- Compact Size, Ideal for Automatic Equipment (2U,1/2 Rack)

SPECIFICATIONS

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 Fast	0.05% 0.1%
TEST SPEED		FAST : 25ms / MED : 100ms / SLOW : 333ms
TEST SIGNAL LEVELS	AC Voltage Current DCR	10.00mV- 2.00V (±10%) CV : 10.00mV- 2.00V (±6%) 100.0μA- 20.00mA (±10%) CC : 100.0μA- 20.00mA (±6%) (@2VMax) ±1V (2Vpp), Square wave, 3Hz up 0.033A (Max)
DC BIAS	Internal	±2.5V (0.5% + 0.005V)
DISPLAY RANGE	R, X, Z G, B, Y L C D Q θ d θ r DCR Δ%	0.00001Ω ~ 99.9999MΩ 0.01nS ~ 999.999S 0.00001μH ~ 9999.99H 0.00001pF ~ 9999.99mF 0.00001 ~ 9.99999 0.00001 ~ 99999.9 -179.999° ~ 179.999° -3.14159 ~ 3.14159 0.00001Ω ~ 99.9999MΩ -99999% ~ 99999%
TEST MODE	Combinations Monitor Parameter (2 Selectable)	Cs-Rs, Cs-D, Cp-Rp, Cp-D, Lp-Rp, Lp-Q, Ls-Rs, Ls-Q, Rs-Q, Rp-Q, R-X, DCR, Z-θr, Z-θd, Z-D, Z-Q, Auto LCZ 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 INT – Measured Data USB Storage	10 file name 10000 Data(.csv) 10 file name for setting, 9999 file name for data, 999 Log file for LCD screen
OTHER FUNCTION	Auto Level Control (ALC) Average Trigger Delay Judgment Screen Capture	ON/OFF 1~256 times INT / MAN / EXT / BUS 0ms~60s PASS / FAIL Saving in to USB (Bmp form)
DISPLAY		3.5" LCD, RGB color (320x240)
INTERFACE		RS-232(SCPI), Handler, USB Host
POWER SOURCE		AC 100V ~ 240V, 50 ~ 60Hz, Max. 30W
DIMENSIONS & WEIGHT		265(W) x 107(H) x 312(D) mm ; Approx. 3kg

Specifications subject to change without notice. CR-6000GD1DS

ORDERING INFORMATION

LCR-6300	10Hz ~ 300kHz Precision LCR Meter
LCR-6200	10Hz ~ 200kHz Precision LCR Meter
LCR-6100	10Hz ~ 100kHz Precision LCR Meter
LCR-6020	10Hz ~ 20kHz Precision LCR Meter
LCR-6002	10Hz ~ 2kHz Precision LCR Meter

ACCESSORIES

Safety Sheet x 1, Power Cord x 1, Test Fixture LCR-06A x 1, CD x 1 (User manual/PC software)

OPTIONAL ASSESSORIES

6666445	LCR-06B	Kelvin Clip Test Lead
6666457	LCR-07	Test Fixture, Two-Wire with Alligator Clips
5136081	LCR-08	Test Fixture (Tweezers) for SMD/Chip Components

