

See More. Measure Better.

Upgrade Your Measurement Experience

5 Inch Touch LCD

16 Combinations



LCR-7000 Series Precision LCR Meter

- * 5" Touch Color LCD
- * 5 Models (10 Hz to 2 kHz/20 kHz/100 kHz/200 kHz/300 kHz)
- * Consecutive Test Frequency
- * Basic Accuracy : 0.05 %
- * Measuring Speed up to 25 ms (max.)
- * Full Frequency Range for OPEN/SHORT/SPOT
- * 16 Major/Secondary Parameter Measurement Combinations and Two Additional Monitoring Parameters (Maximum Four Different Parameters Can be Shown Simultaneously)
- * DCR Measurement and Internal DC Bias Voltage (± 5 V)

- * BIN Function Provides 9 BIN and 1 AUX, Totally 10 BIN
- * Two Curves Sweep Mode
- * Go/NoGo Judgment
- * Auto Level Control (ALC) Function
- * 10 Steps Listed Tests to Select Different Frequency, Voltage and Current Criteria
- * Standard Interface : RS-232C, Handler, USB Host / Device (Type C) and LAN

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SPECIFICATIONS		
TEST FREQUENCY		LCR-7300: 10 Hz to 300 kHz ($\pm 0.01\%$) (4 digits resolution) LCR-7200: 10 Hz to 200 kHz ($\pm 0.01\%$) (4 digits resolution) LCR-7100: 10 Hz to 100 kHz ($\pm 0.01\%$) (4 digits resolution) LCR-7020: 10 Hz to 20 kHz ($\pm 0.01\%$) (4 digits resolution) LCR-7002: 10 Hz to 2 kHz ($\pm 0.01\%$) (4 digits resolution)
OUTPUT IMPEDANCE		30 Ω / 50 Ω / 100 Ω selectable
BASIC ACCURACY	Slow / Med Fast	0.05 % 0.1 %
TEST SPEED		FAST:25 ms / MED:100 ms / SLOW:333 ms
TEST SIGNAL LEVELS	AC Voltage Current DCR	10.00 mV to 2.00 V ($\pm 10\%$) CV :10.00 mV to 2.00 V($\pm 6\%$) 100.0 μ A to 20.00 mA ($\pm 10\%$) CC :100.0 μ A to 20.00 mA ($\pm 6\%$) (@2 V max.) +2 V, 0.066 A(Max.), Output impedance fixed 30 Ω
DC BIAS	Internal	± 5 V (0.5 % + 0.005 V)
DISPLAY RANGE	R, X, Z G, B, Y L C D Q θ_d θ_r DCR $\Delta\%$	0.00001 Ω to 99.9999 M Ω 0.01 nS to 999.999 S 0.00001 μ H to 9999.99 H 0.00001 pF to 9999.99 mF 0.00001 to 9.99999 0.00001 to 99999.9 -179.999° to 179.999° -3.14159 to 3.14159 0.0000 1 Ω to 99.9999 M Ω -99999 % to 99999 %
TEST MODE	16 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, Z- θ_r , Z- θ_d , Z-D, Z-Q, DCR Z, D, Q, Vac, Iac, Δ , $\Delta\%$, θ_r , θ_d , R, X, G, B, Y
LISTED MODE	Steps Parameters	10 steps Freq./Volt./Curr.
BIN FUNCTION	Numbers Comparators	10 (BIN: 1 to 9 , AUX:1 BIN) ABS/PER/SEQ
SWEEP	Swept Graphical Swept Parameter X-AXIS/Y-AXIS Value Point Measure Function SCALE Cursor Function Storage Function	Two of measurement parameters Frequency LINEAR/LOG more than 250 points MAX/MIN Frequency point and value TRACE A/B, AUTO SCALE Available Data (.csv) & Screen capture (bmp file)
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) GO/NOGO Average Trigger Delay Judgment Auto LCZ Screen Capture	ON/OFF Available 1 to 256 times INT / MAN / EXT / BUS 0 ms to 60 s PASS / FAIL ON / OFF Saving in to USB (Bmp file)
DISPLAY		5" Touch LCD
INTERFACE	SCPI Others	RS-232, Device(Type C), LAN Handler, USB Host
POWER SOURCE		AC 100 V to 240 V, 50 Hz to 60 Hz, Max. 15 W
DIMENSIONS & WEIGHT		256(W) mm x 101(H) mm x 315(D) mm, Approx. 3 kg

Specifications subject to change without notice. LCR-7000 Series_GD1DS

ORDERING INFORMATION		OPTION
LCR-7300	DC, 10 Hz to 300 kHz Precision LCR Meter	LCR-16 DC Bias Voltage Box (± 45 V)
LCR-7200	DC, 10 Hz to 200 kHz Precision LCR Meter	LCR-17 DC Bias Current Box (± 2.5 A)
LCR-7100	DC, 10 Hz to 100 kHz Precision LCR Meter	LCR-DB1 DC Bias Voltage box (Freq. upto 2 MHz / max. input voltage ± 200 V)
LCR-7020	DC, 10 Hz to 20 kHz Precision LCR Meter	
LCR-7002	DC, 10 Hz to 2 kHz Precision LCR Meter	
ACCESSORIES		OPTIONAL ACCESSORIES
Power Cord x 1, D-Sub kits (for handler) x 1 Safety sheet x 1, Test lead LCR-06B x 1		LCR-05 Test Fixture for axial & radial leaded components LCR-06B Test Lead with Kelvin clip (4 wire type) LCR-07 Test Lead with Alligator clip (2 wire type) LCR-08A Test Fixture (Tweezers) for SMD/Chip components LCR-15 Test Fixture for SMD/Chip components (0201 to 1812) GTL-232 RS-232C Cable, 9-pin Female to 9-pin, null Modem for Computer, Approx. 2000 mm GRA-459 Rack Mount Kit (19" 2U)

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