

High Precision LCR Meter

MCR-6000A Series



LCR 6000A series high-precision digital bridge is a multi-function component parameter tester for detecting various electronic components. Tell, stable, 12Hz-600kHz continuous frequency point and 0.05% accuracy, can meet the requirements of production line quality control, purchase inspection and laboratory measurement, etc.

- With new 32-bit core, as good as first class equipments
- 4.3inch true color TFT display
- 12Hz-600kHz testing frequency, frequency point continuously adjustable
- 0.05% basis testing accuracy, high speed in testing
- 0V,1.5V, 2V, Internal DC bias. Accuracy: 1%
- Automatic level control function
- 30Ω, 50Ω, 100Ω, 10/CC four different signal output impedance
- Built-in comparator, 11 files sorting and file counting function
- 10-point list scan function
- The software upgrade and update of the machine can be realized through the U disk
- U disk copy screen function can save data, support FAT32 data system
- Standard with RS232C, USB HOST, USB DEVICE HANDLER
- Matching GPIB, headphone jack.

Model		MCR-6100A	MCR-6200A	MCR-6600A
Test parameter		Z , Y , C, L, X, B, R, G, D, Q, θ ,DCR		
Test frequency		12Hz-100kHz	12Hz-200kHz	12Hz-600kHz
Basic testing accuracy		0.05%		
Equivalent circuit		In series, in parallel		
Mathematical functions		Percentage deviation		
Range way		Automatic, hold, manual selection		
Trigger mode		Internal, manual, external, bus		
Measure speed (≥1kHz)		High speed: The fastest is 75 times/second (customizable) , middle : 12times/second,low: 3times/second		
Average time		1—255		
Delay time		0—6s, step is 1ms		
Calibration function		Open circuit/ short circuit / quick reset		
Display mode		Direct reading , Δ , Δ% , V/I (Measured voltage/current monitoring)		
Displayer		5 digit display of main and minor parameters , 4.3 inch true color LCD displayer		
Testing signal				
Output impedance		30 Ω , 100Ω , 10/100 , 10/CC optional		
Test signal level		Normal : 5mV~2V Accuracy : 10% , 1mV step Constant level : 10mV~1V Accuracy : 5% , 1mV step See product manual for details		
DC bias source	Internal	0V , 1.5V , 2V , Accuracy 1%		
	Matching	IV1A:0~1A DC bias source option		
Display range				
Z , R , X		0.01mΩ — 99.9999 MΩ		
DCR		0.001 mΩ — 99.9999 MΩ		
Y , G , B		0.00001μS — 99.9999S		
C		0.00001pF — 9.9999F		
L		0.00001μH — 99.9999kH		
D		0.00001 — 9.9999		
Q		0.00001 — 9999.9		
θ (DEG)		-179.999° — 179.999°		
θ (RAD)		-3.14159 — 3.14159		
Comparator function		10 grade: (9 grades qualified, 1 grades not qualified), otherwise with AUX grade		
Multiparameter		Four parameters can be selected for simultaneous measurement and display		
Curve scan function		Under various test conditions, perform graphic scanning analysis on the test piece		
Storage		More than 100 sets of internal instrument settings for storage /call, U disk extension of more than 500 sets		
Interface		Standard with RS232C, HANDLER, USB HOST, USB DEVICE, Headphone jack, Foot pedal interface; Matching with GPIB, LAN		
Instrument size (W*H*D)		265*100*340		
Packing size (W*H*D)		335*210*420		
Net weight (kg)		4.5		
Gross weight (ka)		5.8		