

High Precision LCR Meter

MCR-6000A Series



- 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.

Standard USB Host RS232C Handler USB Device

Optional GPIB Headphone Jack Foot Pedal

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 (kg)	5.8		