

LCR METER



Features

- ✓ 32-bit core processor
- ✓ 5-digit 4.3-inch TFT LCD display
- ✓ 4 signal source output impedance: 30Ω, 100Ω, 10/100, /10CC
- ✓ List mode function, 10 steps
- ✓ 100 sets memories for internal storage/save
- ✓ 500 memories for U disk storage/save, supports FAT16 and FAT32 files
- ✓ Save the last parameter settings before power off
- ✓ Standard interface: RS-232, HANDLER, USB HOST, USB Device, FOOT C, Ear phone

LCR METER

Specifications

Model	LCR100	LCR200	LCR300	LCR500
Measurement function				
Test parameter	Z , Y , C, L, X, B, R, G, D, Q, θ , DCR			
Test signal frequency	12Hz~100kHz	12Hz~200kHz	12Hz~300kHz	12Hz~500kHz
Min frequency step	0.1mHz			
Basic accuracy	0.05%			
Equivalent circuit	Series, Parallel			
Mathematical function	Absolute Deviation and Percentage Deviation			
Range mode	Auto, Hold, Manual Selection			
Trigger mode	Internal, Manual, External, BUS			
Measurement speed	Fast: max.75, Medium: 12, Slow: 3 (times/second) (≥ 1 kHz)			
Average times	1-255			
Delay time	0-60s, step 1ms			
Calibration function	Open circuit, Short circuit, Load			
Display mode	Direct, Δ , $\Delta\%$, V/I (monitoring test voltage and current)			
Display	6 digit 4.3-in LCD display (480x272 RGB5)			
List Mode	10 steps			
Measurement signal				
Output impedance	30 Ω , 100 Ω , 10/100, 10/CC			
Test level and accuracy	Normal: 5mV~2Vrms, accuracy 10%, Min step1mV, Max.test current 20mA Constant level: 5mV~1Vrms, accuracy 6%, Min step1mV			
DC bias source	0V, 1.5V, 2V Accuracy 1%			
Measurement display range				
Z , R, X	0.01m Ω - 99.9999 M Ω			
DCR	0.001 m Ω - 99.9999 M Ω			
Y , G, B	0.00001 μ S - 99.9999 S			
C	0.00001 pF - 9.99999 F			
L	0.00001 μ H – 99.9999 kH			
D	0.00001 - 9.99999			
Q	0.00001 – 99999.9			
θ (DEG)	-179.999° - 179.999 °			
θ (RAD)	-3.14159 - 3.14159			
$\Delta\%$	-999.999% ~ 999.999%			
Comparator and interface				
Comparator	10 bins (9 pass 1 fail) and 1 AUX bin			
Memory	100 sets memories for internal parameter settings storage/save 500 sets for U disk parameter settings storage/save			
Standard interface	Standard: RS232, USB HOST, HANDLER, EAR PHONE, PEDAL interfaces			
Optional interface	GPIB			
General				
Operating environment	0°C - 40°C, $\leq 80\%$ RH			
Power source	110/220V $\pm 10\%$, 47~63Hz			
Power consumption	≤ 50 VA			
Accessories	4-terminal Kelvin test clip leads, RS232 cable, power cord, operation manual			
Dimensions	265W*100H*340D mm			
Weight	Approx.4.5kg			

Specifications are subject to change without prior notice.