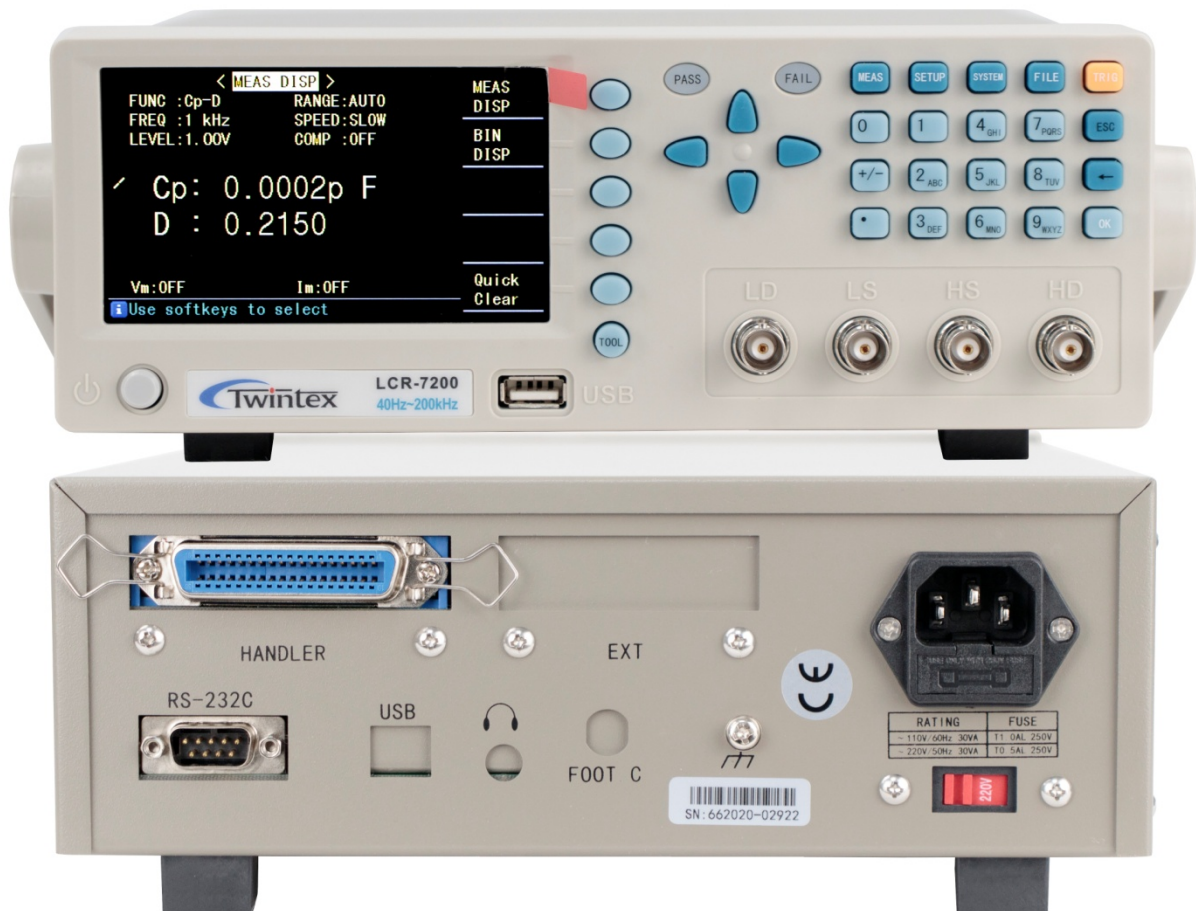


LCR7000 Series

Features

- ✓ 32-bit core processor
- ✓ 5-digit 4.3-inch TFT LCD display
- ✓ 2 signal source output impedance: 30 Ω , 100 Ω
- ✓ 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

Product photo



Specifications

Model	LCR-7010		LCR-7030	LCR-7200
Measurement function				
Test parameter	Z , Y , C, L, X, B, R, G, D, Q, θ			
Test signal frequency	LCR-7010: 100Hz,120Hz,1kHz,10kHz LCR-7030: 100Hz,120Hz,1kHz,10kHz, 20kHz, 30kHz LCR-7200: 40Hz, 50Hz, 60Hz, 75Hz, 100Hz, 120Hz, 150Hz, 200Hz, 250Hz, 300Hz, 400Hz, 500Hz, 600Hz, 750Hz, 800Hz, 1kHz, 1.5kHz, 2kHz, 2.5kHz, 3kHz, 4kHz, 5kHz, 6kHz, 7.5kHz, 10kHz, 12kHz, 15kHz, 15.7kHz, 16.2kHz, 20kHz, 25kHz, 30kHz, 40kHz, 50kHz, 60kHz, 66.6kHz, 75kHz, 100kHz, 120kHz, 150kHz, 200kHz (41 points)			
Basic accuracy	0.15%	0.1%	0.1%	
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.30, Medium: 10, Slow: 3 (times/second) (≥ 1 kHz)			
Average times	1-255			
Delay time	0-60s, step 1ms			
Calibration function	Open circuit, Short circuit, Load			
Measurement terminal	5-terminal			
Display mode	Direct, Δ , $\Delta\%$, V/I (monitoring test voltage and current)			
Display	5 digit 4.3-in LCD display			
List Mode	10 steps			
Measurement signal				
Output impedance	30 Ω , 100 Ω			
Test level	0.1V, 0.3V, 1V	0.1V, 0.3V, 1V	0.05V to 1V	
Test level accuracy	5%			
Measurement display range				
Z , R, X	0.01m Ω - 99.999 M Ω			
Y , G, B	0.0001 μ S - 99.999 S			
C	0.0001 pF - 9.9999 F			
L	0.0001 μ H - 999.99 H			
D	0.0001 - 9.9999			
Q	0.0001 – 9999.9			
θ (DEG)	-179.99° -179.99 °			
θ (RAD)	-3.14159 - 3.14159			
$\Delta\%$	-999.99% - 999.99%			
Comparator and interface				
Comparator	N/A	4-bin comparator	5-bin comparator	
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	Standard: RS232, USB HOST, HANDLER		
Optional interface	N/A			
General				
Operating environment	0°C - 40°C, $\leq 80\%$ RH			
Power source	110/220V $\pm 10\%$, 47~63Hz			
Power consumption	≤ 30 VA			
Accessories	4-terminal Kelvin test clip leads, RS232 cable, power cord, operation manual			
Dimensions	265W*100H*340D mm			
Weight	Approx.3.5kg			