

Precision LCR Meter

Model: CS7602、CS7603、CS7605、CS7610、CS7620

Manufacturer: ALLWIN INSTRUMENT SCIENCE AND TECHNOLOGY CO.,LTD

Picture:



Series:

CS7600 series

Working temperature & Humidity	18~28℃ ≤80%RH
Power supply	198V~242V
power consumption	60W
Dimension & Weight	355mm×136mm×450mm 6.5kg

Brief Introduction:

CS7600 series Precision LCR meter is a new-type digital component analyzing instrument with the widest measurement bandwidth (20Hz~2MHz), highest frequency resolution (minimum to 1uHz) and highest basic measurement accuracy (0.05%) at present in China. It is widely applied in the areas of parameter analysis of each LCR component, fine frequency response analysis of medium and low frequency oscillators, and the characteristics analysis of material impedance. With its excellent measurement performance and function, CS7620 instrument becomes the only one be capable of replacing Agilent E4980A. Advanced Chinese& English operation interface, satisfies different customers with various demands.

Excellent Functions:

■ High Accuracy

Basic Measuring Accuracy: 0.05%

Possessing Open circuit, Short circuit and Load Calibration functions**■ High Speed**

Fast: 25 mea/sec (1pF under 2MHz、 1Vrms)

Medium: 10 mea/sec (1pF under 2MHz、 1Vrms)

Slow: 5 mea/sec (1pF under 2MHz、 1Vrms)

■ Wide Bandwidth:

Test Bandwidth: 20Hz~2MHz

Frequency Resolution: 1uHz

Frequency Accuracy: $\pm 0.01\%$

High resolution enables user fast and precisely find the harmonic resonance point of device under test in frequency response analysis.

■ Lots of Test Parameters

It can test 15 different parameters.

It can simultaneously display 2 parameters;

6 digits measuring resolution makes the performance of component can be fully reflected.

■ Strong Frequency Response Analysis function

It provides two modes: list sweep and graph sweep, which directly reflects the performance of components.

Testing parameter can process response analysis to sweep benchmarks, such as: frequency, stimulate voltage, current, voltage bias and current bias etc.

■ Providing classification function**■ Amiable Interface**

Adopting 320*240 STN LCD display, backlight can be adjusted through numeric keyboard, Easy-operation.

■ Multi-type Communication Interface: RS232/ IEEE488/ HANDLE /USB /LAN

Multi-type communication interfaces make the instrument can be conveniently connected with pc to form an auto test system.

■ Small size and light weight

CS7600 series provides 10 groups of list sweep combinations and 240 points linear/logarithmic graph sweep function. The CS7600 series allows components performance related to frequency, voltage, current, bias voltage or bias current to be automatically measured respectively, which function can be especially applied in resonance components performance analyses, capacitance characteristic analyses of liquid crystal materials and semiconductor materials performance analyses, etc.

Accurate high impedance/low impedance measurement capability

- ✓ Stability measurement of chip capacitor with lowest capacity value
- ✓ Exceptional measurement performance of lowest impedance devices
- ✓ High-accuracy measurement of lowest dissipation component

Technique specifications:

【 Precision LCR Meters 】

Test Frequency	CS7620: 20Hz~2MHz		
	CS7610: 20Hz~1MHz		
	CS7605: 20Hz~500kHz		
	CS7603: 20Hz~300kHz		
	CS7602: 20Hz~200kHz		
Accuracy	±0.01%		
AC Test Level	5mVrms~2Vrms (voltage mode) 1mV step		
	50μ Arms~20mArms (Current mode) 100μ A step		
DC bias level	0~2V (voltage mode) 10mV step		
	0~20mA (Current mode) 100μ A step		
Measurement Parameters	Z 、 Y 、 θ 、Cs、Cp、Ls、Lp、Rs、Rp、X、G、B、D、		
	Q、 Rdc (only CS7600X series measurable)		
Test Range	Z 、R、X、Rdc	0.01mΩ ~99.9999MΩ	
	Y 、G、B	0.01nS~99.9999S	
	C	0.01fF~9.99999F	
	L	0.01nH~99.9999kH	
	D	0.00001~9.99999	
	Q	0.00001~99999.9	
	θ	DEG	-179.999~179.999
		RAD	-3.14159~3.14159
Δ 、%	-999.999%~999.999%		
Accuracy	Z: ±0.05%	θ : ±0.0005	
List sweep	At most 10 points		
Graph sweep	At most 240 points		
	Sweep: linear、logarithm		
Level	1 /10 /100 /300 /1k /3k /10k /30k /100k /300k /1M /10M		
LCD	320*240		

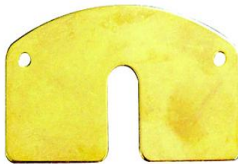
Standard accessories



CS76001 Four-terminal Kelvin test clip leads



CS76003 Four-terminal test fixture



CS76006 Gilded shorting plat



Power Cord

Optional accessories



CS76002 Four-terminal test fixture



CS76004 SMD test tongs



CS76005 SMD component test fixture



CS76007 SMD test fixture



CS76008 External bias adapter