

# STB8817B LCR Meter

## Features

- Test frequency 50Hz,60Hz,100Hz,120Hz,1kHz,10kHz,20kHz, 40kHz, 50kHz,100kHz, total 10 points
- 4.3 inch TFT liquid crystal display
- 50Hz-100kHz, 10 typical test frequencies
- 6-digit reading resolution
- Maximum test speed:12.5ms, support low frequency and high speed:TX4+3ms
- Chinese and English optional operation interface
- 10 bins sorting, test sorting is more perfect
- 100 sets of LCRZ instrument setting files, 10 measurement
- Soft power switch
- Support 110V/220V two power supply voltages
- 10-point list scanning, support multi-frequency test sorting
- Ultra-low signal source output offset (<100 $\mu$ V), meeting the needs of large inductor, common mode choke inductor test
- Super impact protection
- Power on state lock button;
- Empty fixture judgment
- Data logging function
- Screen capture function
- Interface function, timing, trigger delay, etc. are more complete



### STB8817B LCR Meter

Support SCPI,MODBUS protocol

Rack mount (mm): 215(W) x 88(H) x 335(D)

Dimension (mm): 235(W) x 105(H) x360(D)

Weight: 3.6kg

Standard  RS232/RS485(option)  USB HOST  USB DEVICE  HANDLER

## Applications

- Passive components:  
Evaluation of Impedance Parameters for Capacitors, Inductors, Cores, Resistors, piezoelectric devices, Transformers, Chip Components, and Network Components

- Other components:  
Impedance evaluation of printed circuit boards, relays, switches, cables, batteries, etc.

## Brief Introduction

■ STB8817B LCR meter is a high-performance and cost-effective measuring instrument. It can automatically measure the inductance L, capacitance C, resistance value R, impedance modulus |Z|, quality factor Q and loss tangent value D and other component parameters. The instrument combines powerful functions, superior performance and simple operation, which can not only meet the needs of high-speed measurement on the production site, but also meet the needs of precision testing in quality inspection, measurement, scientific research and experiment departments.

## Instrument Accessories

- Power cord
- SBF0048A 4-terminal test fixture
- SBF0011CS 4-terminal Kelvin test cable
- SBF0010 Gilded shorting plate

## Specifications

Model	STB8817B	
Basic accuracy	0.1%	
Test frequency	50Hz,60Hz,100Hz,120Hz,1kHz,10kHz,20kHz,40kHz,50kHz,100kHz, total 10 points	
Test parameters	L,C,R,Z D,Q,X,θd,θr,Vm,Im,Δ%	
V/I monitor	Yes	
AC test signal level	0.1Vrms,0.3Vrms,1Vrms	
Test terminal configuratio	5-terminal	
Test speed (ms/time)	Fast: 19ms;Medium:83ms;Slow: 333ms F≤120Hz Fast :4XT+3ms	
Zero clearing	Open, Short, Load	
List sweep	10-point list sweep Each scan point can be individually sorted, support multi-frequency combined test sorting Scanning test for frequency and AC voltage	
Equivalent Circuit	Series, Parallel	
Range mode	AUTO, HOLD	
Trigger mode	Internal, External, Manual, Bus	
Average times	1-255	
Arithmetical operation	Direct reading, ΔABS, Δ%	
Delay	Trigger delay, step delay: 0—60.000s, 1ms step	
General function	Series, parallel equivalent mode, calibration: open circuit, short circuit, range selection: automatic, manual, trigger mode: INT, MAN, EXT, BUS, keyboard lock function	
Comparator	10 bins sorting,BIN1-BIN9,NG,AUX; Bin count function PASS, FALL front panel LED display	
Memory	Nonvolatile storage	100 sets of LCRZ instrument setting file
	USB Storage	Instrument setting files , measurement result CSV file
Interface	RS232/RS485(option),HANDLER,USB HOST,USB DEVICE	