

STB8817C Series Precision 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
- 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 measurements
- Soft power switch
- Support 110V/220V two power supply voltages
- Range configuration 3/10 times stepping configuration to ensure stable and reliable impedance full range test
- Ls-Rdc / Lp-Rdc function
- Ultra-low signal source output offset (<100μV), 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



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

STB8817C 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

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.

Specifications

Model	STB8817C	
Basic accuracy	0.1%	
Test frequency	50Hz,60Hz,100Hz,120Hz,1kHz,10kHz,20kHz,40kHz, 50kHz,100kHz, total 10 points	
Test parameters	LCR	L, C, R, Z , D, Q, X, θ_d , θ_r , Vm, Im, $\Delta\%$
	Transformer	M, N, 1/N, L1/L2, DCR1/DCR2, C(primary-secondary), P(phase), Lk1/Lk2(leakage inductance)
	Balance test	L, R, Z, DCR
V/I monitor	Yes	
Test level	AC	0.1Vrms,0.3Vrms,1Vrms
	DC	$\pm 1V$
DC bias	-----	
Source impedance	10 Ω , 100 Ω optional	
Test terminal configuration	5-terminal	
Test speed (ms/time)	Fast: 19ms;Medium:83ms;Slow: 333ms	
Zero clearing	Open, Short, Load	
List sweep	10-point list sweep	
Equivalent Circuit	Series, Parallel	
Range mode	AUTO, HOLD	
Trigger mode	Internal, External, Manual, Bus	
Average times	1-255	
Arithmetical operation	Direct reading, Δ ABS, $\Delta\%$	
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 files
	USB Storage	Instrument setting files , measurement result CSV files
Interface	RS232/RS485(option),HANDLER,USB HOST,USB DEVICE	

Standard Accessories

Three core power cord

SBF0049A test fixture

SBF0048A 4-terminal test fixture

SBF0011CS 4-terminal Kelvin test cable

SBF0010 Gilded shorting plate