

Component Parameter Test Instruments

A. TH2817C+ 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 (<100 μ 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



NEW

TH2817C+(TH2817C/CX Upgraded)

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

Features

- test frequency 50Hz,60Hz,100Hz,120Hz,1kHz,10kHz,20kHz,40kHz, 50kHz,100kHz, total 10 points
- Dedicated white backlit LCD display
- 5-digit reading resolution
- Maximum test speed: 50ms
- User-friendly operation interface, easy to operate
- 5 bins sorting function, sorting result with sound and light alarm
- Storage space: 12 sets of setting files
- Automatic LCZ function
- Built-in \pm 2VDC bias source, \pm 5VDC bias or up to 50mA bias current can be extended



TH2817C/TH2817CX

Dimensions: 310mm(W)x108mm(H)x375mm(D)

Weight: 3.6kg

Standard RS232 HANDLER

option GPIB

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

Component Parameter Test Instruments

A. TH2817C+ LCR Meter

Specifications

Model	TH2817C+		TH2817CX	TH2817C
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, $\Delta\%$	Z , R, X, C, L, Q, D, θ	
	Transformer	M, N, 1/N, L1/L2, DCR1/DCR2, C(primary-secondary), P(phase), Lk1/Lk2(leakage inductance)	M, N, 1/N, L2, DCR2, DCR	
	Balance test	L, R, Z, DCR	L, C, R, Z, DCR	-----
V/I monitor	Yes		-----	
Test level	AC	0.1Vrms,0.3Vrms,1Vrms	0.1Vrms,0.3Vrms,1Vrms	
	DC	$\pm 1V$	2V	-----
DC bias	-----		2V,can be expanded to 5V	-----
Source impedance	10 Ω , 100 Ω optional		30 Ω , 100 Ω	
Test terminal configuration	5-terminal			
Test speed (ms/time)	Fast: 19ms;Medium:83ms;Slow: 333ms		Fast: 50ms;Medium:125ms;Slow: 500ms	
Zero clearing	Open, Short, Load		Open, Short	
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, $\Delta\%$		Direct reading, $\Delta\%$	
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		5 bins (3 bins for PASS,1 bin for FAIL, 1 bin for AUX)	
Memory	Nonvolatile storage	100 sets of LCRZ instrument setting files	12 groups of the instrument setting files	10 groups of the instrument setting files
	USB Storage	Instrument setting files , measurement result CSV files	-----	-----
Interface	RS232/RS485(option),HANDLER,USB HOST,USB DEVICE		RS232,HANDLER,GPIB(option)	

Instrument Accessories

Three core power cord
 TH26049A test fixture
 TH26048A 4-terminal test fixture
 TH26011CS 4-terminal Kelvin test cable
 TH26010 Gilded shorting plate

Instrument Accessories

Three core power cord
 TH26049 test fixture
 TH26005A 4-terminal test fixture
 TH26011AS 4-terminal Kelvin test cable
 TH26010 Gilded shorting plate