

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, FAIL 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