

Component Parameter Test Instruments

A. TH2810B+ LCR Meter

Features

- 100Hz, 120Hz, 1kHz, 10kHz 4 typical test frequencies
- 4.3 inch TFT liquid crystal display, Chinese and English optional operation interface
- 6-digit reading resolution
- Maximum test speed: 12.5ms, support low frequency and high speed: TX4+3ms
- 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
- 10-point list sweep, support multi-frequency test sorting
- 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



TH2810B+(TH2810B Upgraded)

Support SCPI, MODBUS protocol

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

Dimension (mm): 235(W) x 105(H) x 360(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.

Specifications

Model	TH2810B+
Basic accuracy	0.1%
Test frequency	100Hz, 120Hz, 1kHz, 10kHz
Test parameters	L, C, R, Z , D, Q, X, θ_d , θ_r , Vm, Im, $\Delta\%$
V/I monitor	Yes
AC test signal level	0.1Vrms, 0.3Vrms, 1Vrms
Signal source internal resistance	10 Ω , 100 Ω
Test terminal configuration	5-terminal
Test speed (ms/time)	Fast: 19ms; Medium: 83ms; Slow: 333ms F \leq 120Hz Fast :4XT+3ms
Zero clearing	Open, Short, Load
List sweep	<ul style="list-style-type: none"> • 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, 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
Nonvolatile storage	100 sets of LCRZ instrument setting files, 10 test results
External USB storage	Instrument setting file, CSV data file

Instrument Accessories

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