

Component Parameter Test Instruments

I. 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



| RS232/RS485(option) | HANDER | USB HOST | USB DEVICE |
|---------------------|----------|----------|------------|
| standard | standard | standard | standard |

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) 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 | 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 | ·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, FAIL 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 |

Standard Accessories

Three core power cord

TH26048A 4-terminal test fixture

TH26011CS 4-terminal Kelvin test cable

TH26010 Gilded shorting plate