

Component Parameter Test Instruments

A. TH2810D/TH2811D LCR Meter

Features

- Large character LCD display with backlight
- Easy operation with strong functions
- SMT surface mount technic
- Fast measurement speed (80mS)
- Good Readout stability
- 2 signal source output impedance:30Ω, 100Ω
- 5 Bins comparator and HANDLER interface(TH2810D only)
- RS-232C interface (TH2810D only)
- Optional RS232C operation software(TH2810D only)



TH2810D/TH2811D(Can replace TH2810B / TH2811C / TH2820)

Brief Introduction

■ TH2810D/TH2811D LCR meter is our newly developed successor instrument for low frequency component measurement. TH2810D/TH2811D with its latest measurement technologies, large character LCD display, surface mount technics, easy of use and excellent appearance can be used for quality control on production line, incoming inspection of components and automatic test system. The RS-232C interface can be used to carry out remote control and statistics and analysis of measurement results.

Specifications

	TH2810D	TH2811D
Measurement function		
Test Parameter	L-Q, C-D, R-Q, Z -Q	
Basic Accuracy	0.1%	0.2%
Equivalent circuit	Series, parallel	
Mathematical Functions	Deviation and Percent Deviation	-----
Rang mode	Auto, Hold	
Trigger mode	Internal, Manual and External	Internal
Measurement speed	Fast: 12, Med: 5.1, Slow: 2.5 (meas/sec)	
Correction Function	Open/Short multi-frequency Zeroing	
Measurement Terminals	Five Terminals	
Test Signal		
Test Frequency	100Hz, 120Hz, 1kHz, 10kHz, Accuracy 0.01%	

Output impedance	30Ω , 100Ω	
Signal level	0.1Vrms, 0.3Vrms, 1Vrms	0.3Vrms, 1Vrms
Measurement Display Range		
Z , R	0.1mΩ - 99.99MΩ	
C	100Hz/120Hz	1pF - 99999μ F
	1kHz	0.1pF - 9999.9μ F
	10kHz	0.01pF - 999.99μ F
L	100Hz/120Hz	1μH - 99999H
	1kHz	0.1μH - 9999.9H
	10kHz	0.01μH - 999.99H
D	0.0001 - 9.999	
Q	0.0001 - 9999	
Δ%	-999.99% - 999.99%	
Display		
Display Mode	Direct, Δ%, Δ ABS	Direct
Display	Large character LCD with backlight	
Display digits	Primary and secondary display:5 digits	
Comparator and interface		
Comparator	NG, P1, P2, P3, AUX, 5 bins and alarm selectable	-----
Interface	RS232C, Handler	-----

General Specifications

Operation Temperature & Humidity	0°C - 40°C, ≤90%RH	
Power Requirements	Voltage	99V - 121V, 198V - 242V
	Frequency	47.5Hz - 63Hz
Power Consumption	≤20 VA	
Dimensions (W×H×D)	270mm×130mm×300mm	
Weight	Approx. 3.7kg	

Ordering Information

TH2810D LCR Meter

TH2811D LCR Meter

Instrument Accessories

TH26001A	4 terminal test fixture
TH26004-1	4 terminal Kelvin test clip leads
TH26010	Gilded shorting plate

Options

TH26005A	4 terminal test fixture
TH26006	Axial component test module
TH26007A	Core inductor test fixture
TH26008A	SMD component test fixture
TH26009B	SMD Kelvin test tweezers
TH26029B	SMD Kelvin test tweezers
TH26011A	4 terminal Kelvin test clip leads