

TH2820 LCR Meter

Features

- Simple and Practical LCR Meter
- 20×2 Characters Display with Back-light
- Multi Frequency Zeroing Function
- 4 Bins Comparator Function
- High performance and low cost



TH2810D/TH2811D

The bid products for world bank loan of the ministry of education

Brief Introduce

- TH2820 LCR meter is a micro-desktop instrument using micro-processor control technology. Six basic parameters can be measured: inductance (L), capacitance (C), resistance (R), impedance (|Z|), dissipation factor (D) and quality factor (Q). TH2820 fulfills the measurement requirements of LCR component manufacturers and maintenance technicians.

General Specifications

Operation Temperature and Humidity		0°C—40°C, ≤90%RH
Power Requirements	Voltage	99V—121V, 198V—242V
	Frequency	47.5Hz—63Hz
Power Consumption		≤10 VA
Dimensions (W×H×D)		270mm×110mm×260mm
Weight		约 2.3kg

Specifications

Measurement Function	
Test Parameter	L-Q, C-D, R-Q, Z-Q, Z-D
Basic Accuracy	0.3%
Equivalent Circuit	Series and Parallel
Math Function	Deviation and Percent Deviation
Ranging Mode	Auto, Hold
Trigger Mode	Internal
Measuring Rate	3 meas/sec
Correction Function	Open/Short multi-frequency Zeroing
Measurement Terminals	Five Terminals
Display Mode	Direct, Δ%, ΔABS
Display	20×2 Characters LCD with Back-light
Test Signal	
Signal Frequency	100Hz, 120Hz, 1kHz
Output Impedance	Varied with different range
Signal Level	0.3Vrms
Measurement Display Range	
Z , R	0.001 Ω — 99.999 MΩ
C	0.1 pF—9999 μF @1kHz
	1 pF—99999 μF @100Hz, 120Hz
L	0.1 μH — 999.9H @1kHz
	1 μH — 9999H @100Hz, 120Hz
D	0.0001 — 9999
Q	0.0001 — 9999
Δ%	-999.99% — 999.99%
Comparator	
Comparator	4 Bins: NG / P1 / P2 / P3

Ordering Information

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Instrument Accessories

TH26004-1 4 terminal Kelvin test clip leads

Options

- TH26001 4 terminal test fixture
- TH26005 4 terminal test fixture
- TH26006 Axial lead component test module (used with TH26005)
- TH26007 Core inductor test fixture
- TH26008 SMD component test fixture
- TH26009 SMD Kelvin test tweezers
- TH26029A SMD Kelvin test tweezers
- TH26004-1 4 terminal Kelvin test clip leads
- TH26011 4 terminal Kelvin test clip leads

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