

TH2776 Inductance Meter

Features

- 6 selectable typical measurement frequencies, up to 100kHz
- Measurement speed up to 20times/second
- Direct, absolute deviation, relative deviation
- Test level monitor
- Measurement state and parameter automatically saved
- Sorting alarm control and alarm mode selection
- RS-232C and HANLDER interfaces



TH2776

Brief Introduction

■ TH2776 inductance meter is an inductance parameter measurement instrument with high accuracy, wide measurement range, 6 selectable typical frequencies (100Hz, 120Hz, 1kHz, 10kHz, 40kHz, 100kHz), and 3 test levels (0.1V, 0.3V, 1.0V). It can be used to measure many parameters, including series inductance L_s , parallel inductance L_p , equivalent series resistance ESR, equivalent parallel resistance EPR, quality factor Q , etc. Combining strong functions, good performance, and easy operation, the meter can be used for high-speed measurement on production line and high-accuracy measurement in laboratory. HANDLER and RS232C interfaces help build an automatic component sorting system and communicate with computer. And measurement conditions can be sent to printer through printer interface.

General Specifications

Operating temperature & humidity		0°C - 40°C, ≤90%RH
Power supply	Voltage	198V - 242V
	Frequency	47.5Hz - 63Hz
Power consumption		≤ 20VA
Dimensions (W×H×D)		350mm×110mm×340mm
Weight		Approx. 3.8kg

Specifications

Measurement function	
Measurement parameter	Ls-Q, Lp-Q, ESR-Q,EPR-Q
Basic accuracy	0.05%
Equivalent circuit	Series , Parallel
Mathematical function	Absolute value deviation, Δ%
Range mode	Auto, Hold
Trigger mode	Internal, Manual, External
Measurement speed	Fast: 20, Medium :5.1, Slow: 1.5 (times/second)
Average times	1 - 99
Calibration function	Open/Short sweep correction
Measurement terminal	5-terminal
Display mode	Direct, Δ, Δ%, V/I (voltage/current monitor)
Display	Double 5-digit LED display
Measurement signal	
Signal frequency	100Hz, 120Hz, 1kHz, 10kHz, 40kHz, 100kHz
Output impedance	Dependent on range
Test level	0.1Vrms, 0.3Vrms, 1Vrms
Measurement display range	
R	0.0001Ω - 99.999MΩ
L	0.0001μH - 9999.9H
Q	0.0001 - 99999
Δ%	0.00% - 9999%
Comparator and interface	
Comparator	4-bin sorting, alarm volume selection, alarm state selection
Interface	RS232C, Handler, Printer

Ordering Information

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Instrument Accessories

TH26001	4-terminal test cable
TH26011	4-terminal Kelvin test cable
TH26010	gilded shorting plate

Options

TH26005	4-terminal test cable
TH26006	axial component test fixture (used with TH26005)
TH26007	core test fixture
TH26008	SMD component test fixture
TH26009	SMD component test tweezers
TH26029A	SMD component test tweezers
TH26004-1	4-terminal Kelvin test cable
TH26011A	4-terminal pair Kelvin test cable
TH12009	RS232C control software