

# Component Parameter Test Instruments

## C. TH2776B Inductance Meter

### Features

- Large-size LCD DISPLAY with white backlight
- 5-digit dual-parameter display
- 10 typical frequencies from 50Hz to 100kHz
- 3 typical levels: 0.1Vrms, 0.3Vrms, 1.0Vrms
- Source resistances: 30Ω, 100Ω
- Measurement speed up to 20 measurements/second
- Open/Short correction
- Built-in 3-bin comparator
- 10 sets of test parameters saved
- Standard RS232C and HANDLER interfaces
- Optional GPIB (IEEE-488) interface



**TH2776B**

### Brief Introduction

TH2776B is a newly-developed inductance meter with high-quality performance at a low cost. With the measurement speed up to 20 measurements/second, 10 test frequencies from 50Hz to 100kHz, 3 typical test levels, 5-digit resolution, 2 source resistances and strong measurement function, the meter can be widely used for quality control on production line, incoming inspection, and component evaluation. And perfect HANDLER interface, RS232C interface and optional IEE488 (GPIB) interface make up of automatic test system, computer remote control and data statistics.

### Specifications

Display	LCD display with white backlight
Measurement parameters	Z , L, R, Q, θ (deg), θ (rad)
Test Frequency	10 points: 50Hz, 60Hz, 100Hz, 120Hz, 1kHz, 10kHz, 20kHz, 40kHz, 50kHz, 100kHz
Test Level	0.1Vrms, 0.3Vrms, 1Vrms
Signal source impedance	30 Ω, 100 Ω
Basic Accuracy	0.1%
Equivalent mode	Serial, Parallel
Range mode	Auto, Hold, Manual

Trigger mode	Internal, Manual, External, BUS	
Measurement Speed	Fast: 20 times/second, Medium: 8 times/second, Slow: 2 times/second (≥1kHz)	
Average Time	1—99	
Correction	Open, Short	
Measurement Terminals	5 Terminals	
Display Mode	Direct, ΔABS, Δ%	
Display Range	Z , R	0.0001 Ω — 99.999MΩ
	L	0.001 μH — 99.999 kH
	Q	0.0001 — 99999
	θ (DEG)	-179.99° — 179.99 °
	θ (RAD)	-3.1416 — 3.1416
Comparator Function	Δ%	-99.999% — 99.999%
	4- bin sorting (3 PASS bins , 1 NG bin), and an AUX bin	
Menory	10 sets of test parameters saved/loaded	
Interface	RS-232C, HANDLER, GPIB (optional)	

### General Specifications

Working Temperature & Humidity	0°C - 40°C, ≤90%RH
Power Requirements	198V-242V, 47.5Hz-63Hz
Power consumption	≤ 30 VA
Dimensions (W×H×D)	275mmx120mmx425mm
Weight	Approx. 3.6 kg

### Ordering Information

TH2776B Inductance Meter

### Instrument Accessories

TH26005A	4-terminal test fixture
TH26011A	4-terminal Kelvin test cable
TH26010	Gilded shorting plate

### Options

TH26001A	4-terminal test fixture
TH26005B	4-terminal test fixture
TH26006	Axial component test fixture (used with TH26005A)
TH26007	Core test fixture
TH26008	SMD component test fixture
TH26009A	SMD test tweezers
TH26029B	SMD test tweezers
TH17B01	GPIB interface board