

# Transformer, Motor and Winding Test Instruments

## B. TH2832X Series Automatic Transformer Test System

### Features

- Number of Test PIN: 24
- Frequency: 20Hz-200kHz, 15025 points
- Signal Level: 10mV-2Vrms, 100μA—20mArms  
20mV-1Vrms, 200μA—10mArms
- Test Speed: max. 40ms
- 4.3 inch TFT LCD Display
- Brand new interface design
- built-in 0 - ± 5V/50mA bias source
- TH2832XA: LCR + transformer test system  
TH2832XB: transformer test system  
TH2832XC: transformer test system
- Discrete passive component (L, C, R) multipass scan test
- Switch transformer scan test
- Network transformer scan test
- Relay drive coil, contact resistance multi-channel scan test
- Multi-channel DCR scan test
- Singel parameter loop test
- Scan fixture relay action times review
- Flexible deviation deduction method
- Self-test scanning fixture relays
- Storage: Internal: 100 groups of settings file to save  
U disk: large capacity of configuration files, CSV  
format test data, and GIF format images
- Firmware update through U disk
- Optional PC-level instrument test setup file programming capability
- Parameter setting file is compatible with TH 2829x-24
- RS-232, USB DEVICE interface
- Work with TH1831 24-pin transformer scanning fixture



### TH2832X Series

Standard  RS232  USB HOST  USB DEVICE  HANDLER  SCANNER

option  GPIB  RS485

Dimension(mm): 215mm(W)x88mm(H)x335mm(D)  
Dimension(mm): 235mm(W)x105mm(H)x360mm(D)  
Weight: 3.6kg

### Applications

- Switching transformer scanning test, comprehensive characteristics analysis.
- Network transformer scanning test, comprehensive characteristics analysis
- Discrete passive components (L, R, C) multi-channel scanning test
- Relay drive line package, contact resistance multi-channel scanning test
- Multi-channel DC resistance DCR scanning test
- Comprehensive test analysis of multiple passive components in impedance network

### Specifications

Model	TH2832XA	TH2832XB	TH2832XC
Number of Test Pin	24	24	12
Test Signal Frequency	20Hz-200kHz, 15025 points in total		
Display	4.3 inch TFT LCD 272*480		
Transformer Test Parameter	Turn Ratio	Turns	Phase L C Lk Q ACR DCR Balance Pin Short
LCR Test Parameter	Z ,  Y , C, L, X, B, R, G, D, Q, θ, DCR, Turn-Ratio, Phase, Lk		
Basic Accuracy	LCRZ	0.05%	
	DCR, Turn ratio	0.1%	
Signal Source Output Impedance	30 Ω、100 Ω		
Test Speed (≥10 kHz)(ms)	40ms, 125 ms, 370 ms		
AC Signal Level	10mV - 2Vrms; 100 μ A - 20mArms		
DC Bias Voltage Source	0V - ± 5V; 0mA - ± 50mA		
Comparator Function	10-bin sorting, PASS/FAIL indicator, count function		
Memory	100 groups of LCRZ setting file, 100 groups of transformer scan set file, 10 groups of gif file.		

### Standard Accessories

Three core power cord  
TH1831 Automatic transformer scan test fixture (TH2832XA/XB only)  
TH1881-001 Foot Switch (TH2832XA/XB only)  
TH26080 TH26011CS four-terminal Kelvin test cable (TH2832XC only)

TH26011CS four-terminal Kelvin test cable  
TH26072 Connection Cable (TH2832XA/XB only)  
TH26010 Short circuit Plate (TH2832XA only)  
TH26048A Four Terminal Test Fixture (TH2832XA only)