

STB8829 Series Automatic Transformer Test System



Features

- 7-inch TFT LCD display with a resolution of 800×RGB×480
- Frequency up to 1MHz, resolution: 0.5mHz
- Signal level: 5mV-2Vrms, optional (2Vrms-10Vrms)
- Built-in 0-100mA/0-10V bias power supply, optional 1A/2A bias current source
- Up to 75 times / sec test speed
- Diode forward and reverse characteristic detection
- Improved high turns ratio and weakly coupled transformer test capability
- Improved DCR testing capabilities
- Single screen can accommodate all scan test results
- Time stamping system: memory file setting, calibration deviation and deduction time
- Sort the selected scanning parameters
- Self-test scanning fixture relays
- Flexible deviation deduction method
- Multiple handling ways for FAIL cases
- Single parameter test cycle to test independent windings
- Increased security: administrator and operator passwords
- Built-in statistical analysis capabilities: Cpk, Cp, Ck, etc.
- Bar-code reading function can be used to select a setting file or to manage the type of test products
- Optional PC-level instrument test setup file programming capability
- Online upgrade mode: USBHOST or RS232
- Support multiple instrument networking through LAN interface
- Backward compatible with TH2818X/TH2819X parameter setting file
- Storage: Internal: 100 groups of settings file to save
U disk: 500 groups of configuration files, CSV format test data, GIF format images



RS232	LAN	SCANNER	USB HOST	USB DEVICE
standard	standard	standard	standard	standard
GPIOB	RS485	HANDER		
option	option	option		

STB8829X Series

Dimension(mm): 400mm(W)x132mm(H)x385mm(D)
Weight: 13kg

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	STB8829 LX	STB8829 AX	STB8829 AX-24	STB8829 AX-48	STB8829NX	STB8829CX						
Test Pin(PIN)	20	20	24	48	72/96/120/144/168/192	20						
Test frequency	20Hz — 200kHz					20Hz — 1MHz						
Display	800×RGB×480 7 inch TFT LCD display											
LCR Function	option											
Transformer test parameters	Turn Ratio	Turns	Phase	L	C	Lk	Q	ACR	DCR	Balance	Pin Short	Diode P/N
LCR test parameters	Z , Y , C, L, X, B, R, G, D, Q, θ , DCR, Turn-Ratio, Phase, Lk											
Basic test accuracy	LCRZ		0.05%									
	DCR, Turn Ratio		0.1%									
Signal source output impedance	10 Ω , 30 Ω , 50 Ω , 100 Ω											
Test speed (ms/times)	13ms, 90 ms, 370 ms											
AC signal level	5mVrms — 2Vrms(transformer test, can be customized to 10Vrms), 5mVrms — 10Vrms(LCR function); 50 μ Arms — 100mArms											
DC bias voltage source	-----	0V — \pm 10V; 0mA — \pm 100mA										
DC bias current source	0 — \pm 1A option(option TH2901) / 0 — \pm 2A option(option TH2902)											
DC constant current source	0mA — \pm 120mA for diode forward characteristic test											
Diode test	forward test voltage		0 — 9.9999 V									
	Reverse test current		0 — 99.999 mA									
Comparator	10 bins, PASS/FAIL indication, file counting function											
Storage	Internal: 100 sets of configuration file; U disk: 500 sets of configuration files, CSV format test data, GIF format images											

Standard Accessories

Three core power cord
SBF0016 Handler/Scanner standard 36P control cable (TH2829LX/AX/BX/CX only)
SBF0011AS four-terminal Kelvin test cable (TH2829LX/AX/AX-24/AX-48/NX only)
SBF0011BS four-terminal Kelvin test cable(TH2829CX/CX-24/CX-48 only)

SBF0004B two-terminal test cable
SAL001B manual transformer scanning test fixture
SAH001-001 Foot Start Switch (except STB8829AX-24/AX-48)
STB8829AX-001 Foot Start Switch (STB8829AX-24/AX-48 only)