

STL1110 Series Hipot Tester



Features

- High power: AC 5kV / 100mA / 500VA output
- High security:
 - High-voltage floating output design, in line with the safety requirements of EU standards EN50191 (only STL1110)
 - Electric shock protection function
- High resolution: 7 inch 800 × 480 dots, TFT-LCD display
- Brand-new operation interface, Chinese and English menu
- ARC detection function
- Contact check function (OSC)
- Breakdown voltage test function
- One-key screen capture function
- One-key recording function
- Rear panel output function to facilitate automated production line testing
- Storage: 100 files, up to 50 steps per file



RS232	USB HOST	USB DEVICE	HANDLER	LAN	GPIB
standard	standard	standard	standard	standard	option

STL1110
Dimension(mm): 430(W)×132(H)×500(D)
Weight: 21kg

Application

- Winding devices
 - Transformers, generators/motors and other products needing high -power withstand voltage test and analysis, such as different types of motor stator, rotor and other high parasitic capacitance products
- Electronic components
 - Capacitors, coils, cores, choke coils, filters and so on
- Electrical products
 - Household appliances, information products, audio-visual equipment, electric heating appliances, lighting equipment
- Non-electrical products
 - Withstand voltage and insulation resistance test for wire, non -woven fabric, insulation materials and s
- New energy automobile
- Automated test system
- Medical equipment

Specifications

Model		STL1110	STL1110A
Withstand voltage test			
Output voltage	AC	0.05 - 5kV	Load Variance: 1% Accuracy: 1% Resolution: 2V
	DC	0.05 - 6kV	Load Variance: 1% Accuracy: 1% Resolution: 2V
Current test range	AC	0.001mA - 120mA(Voltage≤4kV); 0.001mA - 100mA(Voltage>4kV) Accuracy: 1% Resolution: 1μA	
	DC	0.0001mA - 25mA	Accuracy: 1% Resolution: 0.1 μA
Output power		500VA	
Insulation resistance test			
Output Voltage		DC : 0.05 - 5kV	Resolution: 2V Accuracy: 1% of set value + 0.1% full scale
Resistance test range		1MΩ-50.0GΩ	Resolution: 0.1MΩ
Discharge function		Automatic discharge after the end of the test	
ARC detection	AC	1mA - 20mA	
	DC	1mA - 10mA	
Contact check function		OSC open and short: 600Hz, 0.1s	
Security features			
High voltage floating output		Leakage current <3 mA	-----
Electric shock protection		0.5mA ±0.25mA	
Other protection		Start protection, panel operation password protection	
Alarm indication		PASS: short tone, green light; FAIL: long tone, red light	
Memory		100 groups, 50 steps per group	
General parameters			
Voltage rise time		0.1s — 999.9s	
Test time setting(AC/DC)		0.3s — 999s	
Voltage fall time		0.1s — 999.9s	
Waiting time (IR)		0.2s — 999.9s	
Time accuracy		±(1%+0.1s)	

Standard Accessories

- SLX0018 Withstand Voltage Test Cable(only STL1110)
- SLX0015 Withstand Voltage Test Cable(only STL1110A)