

Safety Tester/Hipot Tester

IV. TH9110/A 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 TH9110)
 - 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

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



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

TH9110/A

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

- Non-electrical products
 - Withstand voltage and insulation resistance test for wire, non-woven fabric, insulation materials and so on
- New energy automobile
- Automated test system
- Medical equipment

Specifications

Model	TH9110	TH9110A	TH9111	TH9111A
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		0.001mA - 40mA Accuracy: 1% Resolution: 0.1μA
	DC	0.0001mA - 25mA Resolution: 0.1 μA	Accuracy: 1%	0.0001mA - 20mA 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	-----	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

- TH90018 Withstand Voltage Test Cable(only TH9110)
- TH90015 Withstand Voltage Test Cable(only TH9110A)