

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	GPIO
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, insulator 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		0.0001mA - 20mA Accuracy: 1%	Resolution: 0.1 μA
Output power		500VA		200VA	
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)