

## EPT8061

### Insulation boots, gloves tester



#### Instrument function

This instrument is mainly used for AC voltage test of commonly used electrical insulation tools. Among them, the operation box has been preset the test parameters of insulating boots, insulating gloves, insulating rubber pads according to national standards. The specific parameters are shown in the following table.

Function list	Parameter
Insulated boots	25kV/60s/10mA
Insulated gloves	High voltage 8kV/60s/9mA Low voltage 2.5kV/60s/2.5mA
Insulation rubber pad	High voltage 15kV/60s    Low voltage 3.5kV/60s

Customize	1~30kV / 1~20mA /1~10min
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### Executive Standard

No.	Standard name
1	DL/T 676-2012 General technical conditions for insulating shoes (boots) for live working
2	GB 12011-2009 Foot protection Electrically insulated shoes
3	HG 2949-1999 electric insulation rubber sheet
4	GB/T 17622-2008 Insulated gloves for live working
5	GBJ 150 Electrical Equipment Installation Engineering Electrical Equipment Handover Test Standard
6	GB/T 8218-1987 Low-voltage measuring appliance

### Instrument characteristics

1. Automatic and fast: A high-definition stepper motor is used to control the voltage regulator boosting process, and the pressure test is automatically performed according to the test parameters specified by the national standard. After the test starts, the instrument automatically closes and automatically boosts at the boost speed required by the national standard, starts timing when it reaches the predetermined voltage, and maintains the test voltage. After the preset time is reached, the voltage is automatically reduced, and when it reaches zero, the power is automatically cut off to indicate the end of the test. At the same time display the leakage current of each test product and display the test results;

2. Comprehensive functions: full English interface, working status display, simple and clear operation, wide application range; with status display, with reminder function, users can see the status of the device at a glance; rotate the mouse operation, all functions can be rotated by one The mouse setting improves the safety and reliability of the product; the full digital adjustment eliminates the obsolete potentiometer adjustment method, which is extremely convenient for on-site use; the buttons directly set the target voltage, leakage current, and withstand voltage time, and the application is free ;

**3. Intelligent safety protection:** with over-current and over-voltage protection. Accurate

and rapid protection can effectively guarantee the safety of personnel and equipment;

**4. Large output voltage measurement is convenient and flexible:** the device can customize any output voltage of 1-30kV, the leakage current threshold can be set arbitrarily from 1-20mA, the test time can be set arbitrarily from 1-10min, and the parameters of commonly used insulation equipment are in accordance with national standards Integrate into a module, the test is convenient and fast.

**5.Friendly human-machine interface:** large white light screen 320\*240, clear and beautiful handwriting, clearly visible under strong light; using high-performance rotary mouse, simple and convenient operation, long life; comes with high-speed micro printer, instant test data printing.

**Product parameters**

Insulation boot test	Voltage	25kV
	Leakage current	≤10mA
	Time	1min
	Resolution	0.1kV、0.1mA
	Accuracy	Voltage ± (2%+3d) Current ± (2%+3d) 3 words)
Insulation gloves test	Voltage	High voltage: 8kV Low voltage 2.5kV
	Leakage Current	≤9mA
	time	1min
	Resolution	0.1kV、0.1mA
	Accuracy	Voltage ± (2%+3d) Current ± (2%+3d) words)
Insulation rubber pad test	Voltage	High voltage: 15kV Low voltage: 3.5kV
	Leakage Current	No breakdown
	Time	1min
	Resolution	0.1kV、0.1mA

	Accuracy	Voltage $\pm (2\% + 3d)$ Current $\pm (2\% + 3d)$ 3 words
Custom test	Voltage	1-30kV
	Leakage Current	1-20mA
	Time	1-10min
	Resolution	0.1kV、0.1mA
	Accuracy	Voltage $\pm (2\% + 3d)$ Current $\pm (2\% + 3d)$ 3 words
	Working power	AC220V 50HZ
The output voltage	0-30kV	
Capacity	3kVA	
test numbers	6 pcs/times	
Ambient temperature	-10℃ ~ +50℃	
Operation box dimension	35*22*37cm	
Operation box weight	12kg	
Test car dimension	75*90*102cm	
Test car weight	60kg	

### Operating points

1. Remove the sponge during the water test inside and outside of the insulating boots (gloves). The water inside and outside of the insulating boots (gloves) is at the same height, and there should be 90mm parts of the exposed water surface, and ensure that the parts of the insulating boots (gloves) exposed to the water surface are dry and clean, then place the high-voltage electrode in the insulating boots (gloves) and put the insulating boots (Gloves) Clamp well.
2. When the steel ball inside the insulating shoe is tested, add water to the water tank to make the sponge fully immersed in water. Put a metal piece with the same number as the tested shoe into the shoe, place the high-voltage electrode in the insulating shoe, so that the high-voltage electrode contacts the metal piece Then, the metal sheet is covered with metal balls with a diameter not greater than 4mm, and the height is not less than 15mm.

3. Set up the site according to the relevant regulations, connect the equipment wiring, and there should be a person responsible for safety in the area where conditions permit to guide.

4. There is high-voltage voltage inside the console, and the high-voltage terminal and high-voltage tail are led to the rear panel, so the ground terminal of the console must be reliably grounded.