



VLF-90kV

Portable Hipot Test System

VLF-90kV Portable Hipot Test System



- Digital frequency conversion technology, microcomputer control, pressure rise, pressure reduction, measurement, protection, etc
- Multiple protection (over-voltage protection, overcurrent protection at high and low voltage sides), rapid action (when acting)
- 0.1Hz, 0.05Hz and 0.02hz multi frequency selection, large test range
- Reporting
- Small volume and light weight

Introduction

The withstand voltage test can be divided into ac withstand voltage test and dc withstand voltage test. The ac withstand voltage test can be divided into power frequency, frequency conversion and 0.1Hz ultra-low frequency test technology, of which 0.1Hz ultra-low frequency technology is the latest technology recommended by the current international electrotechnical commission.

The VLF-90kV is the core product independently developed with the latest technology. It adopts 7-inch touch screen, the latest arm7 single chip microcomputer, high-speed ad acquisition circuit, and is equipped with background management software. Adopting 0.1Hz VLF withstand voltage test technology, equivalent to the power frequency operating environment of cables, improving portability and testing efficiency, ushering in a new era of cable withstand voltage test.





Strong Equivalence



Automatic Reporting



Touch Screen

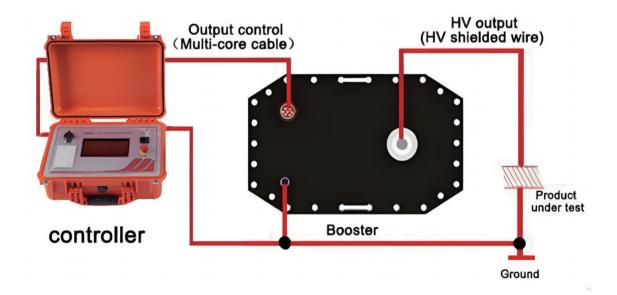
Unique advantages

Performance comparison of various withstand voltage test equipmen:

Compare Content	Power Frequency Withstand Voltage	Frequency Withstandvoltage	0.1Hz Withstand Voltage	DC Withstand Voltage
Equivalence	Good	Good	Good	Bad
Insulation destructive	Small	Gmall	Small	Big
Operation safety	Low	Low	High	A little low
Wiring	Complicated	MostComplicated	Most easy	Complicated
Volume and weight	Heavy and big	Heavy and big	Light and smallsize	Light and smallsize

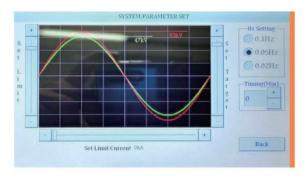
Easy to operate: simple wiring, fool operation

The instrument consists of two parts: controller and booster. Wiring instructions: connect the control output special line, high voltage output special line and grounding wire equipped with the product according to the method shown in figure.



The test process is fully automated

Self-inspection →boosting →constant amplitude output →Shutdown



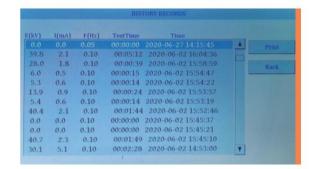
parameter setting interface



Controller prompt test passed



the controller indicates that the voltage is boosting



Viewing and printing test data

TECHNICAL DATA			
Output voltage	90 kVpeak		
Frequency	0.1Hz、0.05Hz、0.02Hz		
Load	0.1Hz , 1.1μF max		
	0.05Hz , 2.2μF max		
	0.02Hz,5.5μF max		
Applicable cable voltage range	6-35kV power cables		
Voltage waveform distortion	≤5%		
Operating temperature	-10°C ~ +40°C		
Storage temperature	-30°C-60°C		
Humidity	≤85 % RH		
Weight	controller-5.8 kg & booster55 kg		

Onsite application







Standard accessories



Control the whole system





Boost the voltage



Compensation Capacitor

Use when the tested cable is too short



HV Cable

Connect controller, booster and the tested cable



Control wire

Connect controller and booster



Special ground wire

Used for grounding the housing of equipment



Discharge rod

Used to discharge the cable



Power cable

Used to power the device

