HYCDP-V VLF 80kV AC Hipot Test Set

Introduction

High voltage withstand test of electrical equipment is one of the most important items specified in insulation preventive test.

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. Our company's new generation of ultra-low frequency and high voltage generator is the core product independently developed with the latest American 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. It overcomes many shortcomings of domestic similar products (see table 1), and its cost performance is much higher than that of similar imported products. It is especially suitable for withstand voltage test of electrical equipment with large insulation equivalent capacitance (such as power cable, power capacitor, large and medium- sized generator and motor, etc.), which conforms to the national standard of electric power industry, general technical conditions for ultra-low frequency and high voltage generator (d) newly issued in 2004 l / t849.4-2004.

Features,

1.Advanced technology: digital frequency conversion technology, microcomputer control, pressure rise, pressure reduction, measurement, protection, etc

2.The test process is fully automated.

3.Easy to operate: simple wiring, fool operation.

4.Comprehensive protection: multiple protection (over-voltage protection, over- current protection at high and low voltage sides), rapid action (when acting) Room ≤10ms), the instrument is safe and reliable.

5. Safety and reliability: the controller is connected with the low voltage of the high voltage generator, with photoelectric control, safe and reliable use.

6.The high and low voltage closed-loop negative feedback control circuit is adopted, and the output has no capacity rise effect.

7.Complete configuration: capacitive touch screen, LCD Chinese character display, automatic storage, automatic printing.

8. Large test range: 0.1Hz, 0.05Hz and 0.02hz multi frequency selection, large test range.

9. Small volume and light weight: it is very convenient for outdoor operation.

Technical parameters

1. Output rated voltage：80 kV (peak)

2. output frequency ：0.1Hz、0.05Hz、0.02Hz

3. Load capacity： 0.1Hz max 1.1μF

0.05Hz max 2.2μF

0.02Hz max 5.5μF

4. test accuracy：3%

5. Positive and negative voltage peak errors：≤3％

6. Voltage wave form distortion：≤5％

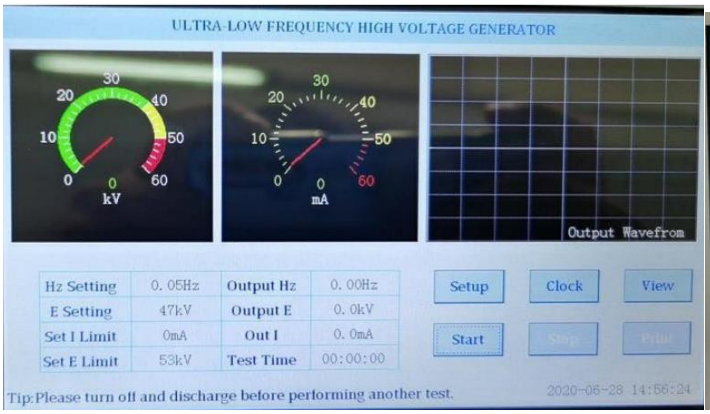
7. Use condition: indoor and outdoor;：-10℃～+40℃：≤85％RH

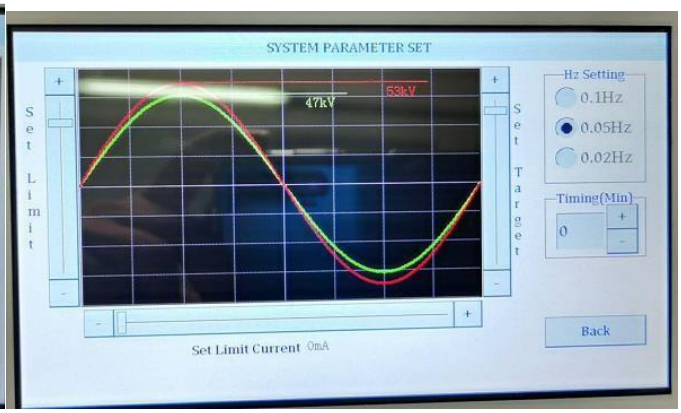
8.. power ： 220V±5%，50±5Hz

Note: If the portable generator is used for power supply, the output voltage and frequency of the generator are required to be stable (generally The power is greater than 3kW, frequency 50Hz voltage 220V±5%

Model	Rated Voltage	Load	Fuse	Weight
30KV /1.1	30kV （Peak Value）	0.1Hz,≤1.1μF 0.05Hz,≤2.2μF 0.02Hz,≤5.5μF	8A	Controller：6Kg Booster：20Kg
60kV/1.1	60kV （Peak Value）	0.1Hz,≤1.1μF 0.05Hz,≤2.2μF 0.02Hz,≤5.5μF	10A	Controller：6Kg Booster：45Kg
80KV/0.5	80kV （Peak Value）	0.1Hz,≤1.1μF 0.05Hz,≤2.2μF 0.02Hz,≤5.5μF	20A	Controller：6Kg booster：50Kg
90KV/0.5	90kV （Peak Value）	0.1Hz,≤1.1μF 0.05Hz,≤2.2μF 0.02Hz,≤5.5μF	20A	Controller：6Kg booster：55Kg

Operation Software





Accessory for VLF 80kV

No	Name	Quantity
1	0.1Hz/80kV Controller	1
2	Booster	1
3	compensating capacitor	1
4	HV connection line	2
5	LV cable	1
6	Power supply line	1
7	Special control cable	1

8	Power supply line	1
9	Grounding cable	2
10	140kV Discharge rod	1
11	25A Fuse	1 set
12	Thermal paper rolls	1
13	Instruction manual	10
14	Inspection report	1