

Model VLF80KV/0.5 μ F

Very-low Frequency High Voltage Test Set



Description:

For those bigger capacitance specimens, such as 35KV XLPE power cable, Generators, Power Capacitors, HV dielectric strength tests usually perform at main power frequency. Very Low Frequency is an idea substitute.

Compared with Hipot test set at main power frequency, VLF HV Test Set need much small test power capacity, about 1/500 in theory. Its size and weight also is decreased greatly.

Based on electronic frequency conversion and microprocessor controlled technology, Model VLF80KV /0.5 μ F has excellent performance.

For VLF80KV/0.5 μ F, it is prohibited to boost voltage without load, or to connect with resistive load.

Product Features:

- Electronic frequency conversion
- Microprocessor Controlled
- Two HV boosters, 80KV output in series; or 30KV/50KV for single one
- Large LCD display
- Sine Wave Output
- Both peak value and rms value displayed
- Overvoltage protection, action time is less than 20ms
- Over current protection for both input and output side, action time is less than 20ms
- Output current/Voltage\wave form is sampled at high voltage side directly
- HV Current Limiting Resistor inside
- Micro-printer inside
- Output voltage will not be affected by capacitive current during test since closed-loop negative feedback design

Specifications:

Output:

0~ 80KV(peak), continuously adjustable, output by shielded cable

Output frequency:

0.1Hz, 0.05Hz, 0.02Hz

Load range:

0.1Hz, ≤0.5μF ; 0.05HZ,≤1μF ;0.02HZ ≤2.5μF;

Measurement accuracy:

3 %

Positive and negative voltage peak errors:

≤ 3%

Voltage wave form distortion:

≤ 5%

Power supply fuse tube:

20A

Time range:

0-99min

Power Input:

220V±5%,50Hz, stability of frequency: fluctuation less than 0.5%

Operation condition:

Indoor and outdoor;

Temperature:

-10C--+40C;

Humidity:

≤ 85%RH.

Controller:

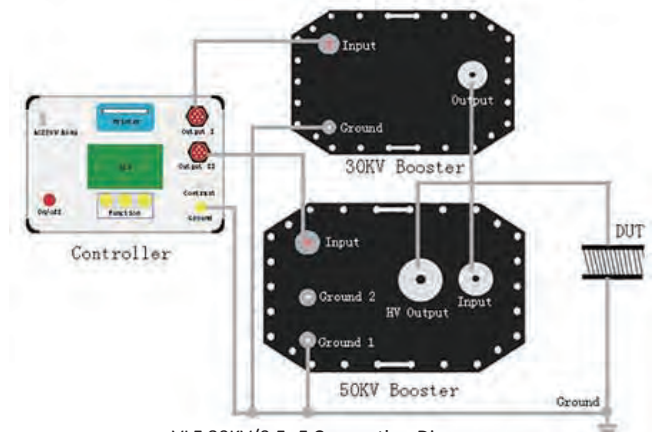
356mm×280mm×220mm, 8kg,1 Piece

30KV High voltage Booster:

320mm×188mm×360mm,25kg, 1 Piece

50KV High voltage Booster:

320mm×188mm×360mm,45kg, 1 Piece



VLF 80KV/0.5μF Connection Diagram

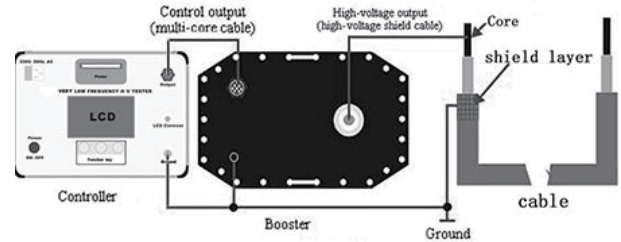


Diagram of Cable Test Connections

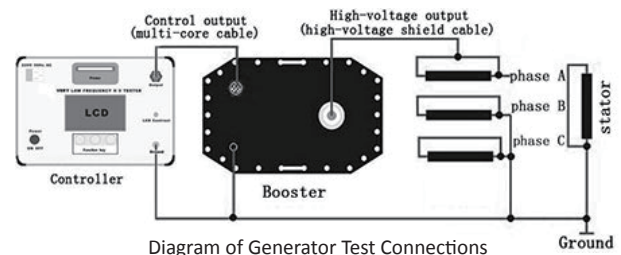


Diagram of Generator Test Connections

Model	Voltage range	Frequency	Maximum load
VLF30KV/1.1uF	0~ 30KV	0.1HZ, 0.05HZ, 0.02HZ	5.5μF
VLF40KV/1.1uF	0~ 40KV	0.1HZ, 0.05HZ, 0.02HZ	5.5μF
VLF50KV/0.5uF	0~ 50KV	0.1HZ, 0.05HZ, 0.02HZ	5.5μF
VLF90KV/0.5uF	0~ 90KV	0.1HZ, 0.05HZ, 0.02HZ	2.5μF

More Models for Order