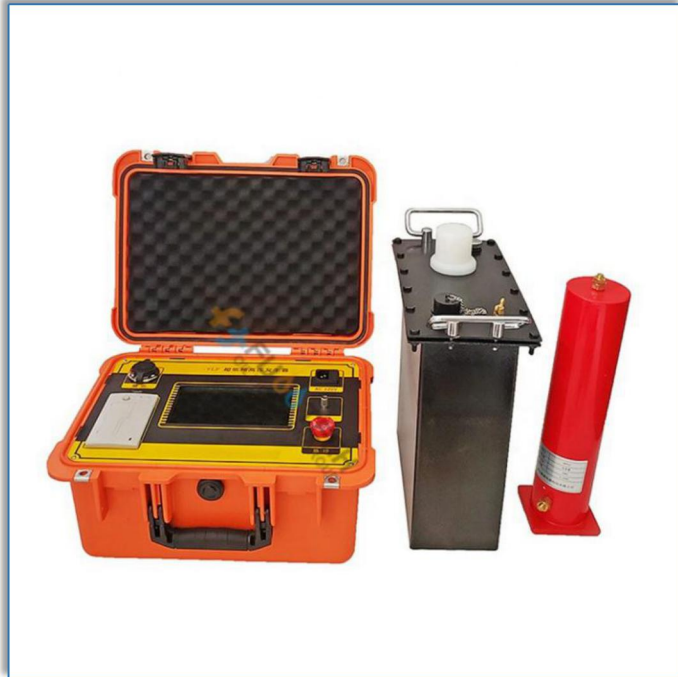


FTAC VLF AC HIPOT TEST SET



Model FTAC-VLF-80/1.1

■ Application

VLF stands for Very Low Frequency. VLF is generally considered to be 0.1 Hz and lower, its major application is for testing solid dielectric cable, transformers, motors, generators, switchgear and other electrical apparatus.

A VLF hipot is just an AC output tester but with an output frequency of 0.1 Hz or lower rather than 50/60Hz. Although the frequency is very low, it is still an alternating current with polarity reversals every half cycle. At 0.1 Hz output, rather than 60Hz, it takes 600 times less current and power to apply an AC voltage to a capacitive load, like a long cable.

■ Feature

- Adapts microprocessor controlled, can realize voltage set-up/down, measuring and protecting automatically. Manual intervention is allowable even during the auto voltage boosting.
- Portable, small size and light weight, easy to move. It is very convenient for outdoor operation.
- Large LCD touch screen can display waveform clearly, and test report can be printed via built-in printer.
- The data of current, voltage, and waveform can be sampled at HV side.

- A high voltage output protective resistor is provided in the voltage boost body in the design and this eliminates the need of additional protective resistor connected outside.
- Closed-loop negative feedback circuit is adopted. No capacity rising during outputting.
- Over voltage and current protection: When the output is beyond the limitation, the control unit will shut itself down within 20ms.

■ Technical Parameter

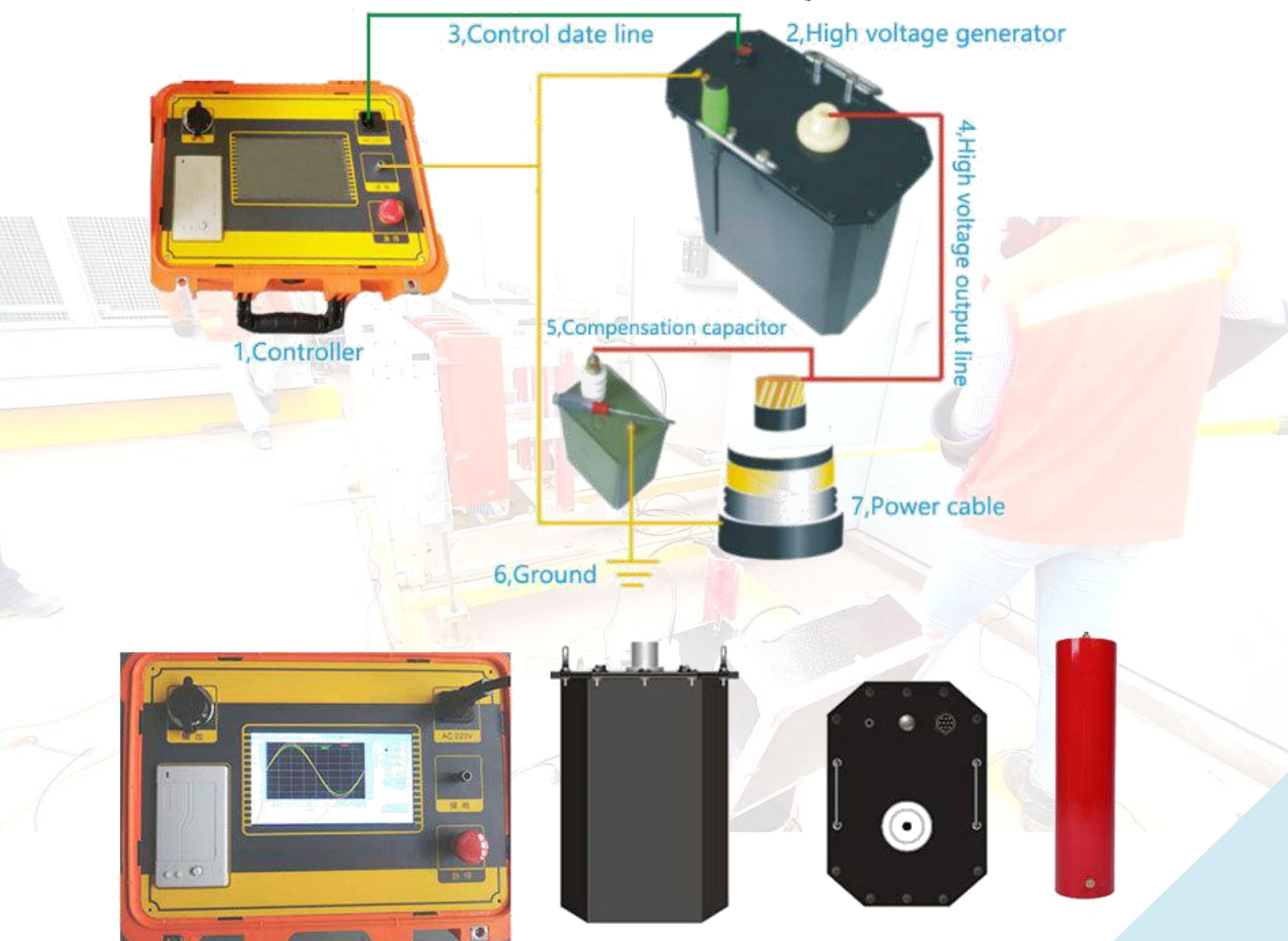
Peak voltage:	80kV
Output frequency:	0.1Hz, 0.05Hz and 0.02 Hz (selectable)
Fuse:	20A
Maximum load capacity:	1.1μF@0.1Hz, 2.2μF@0.05Hz, 5.5μF@0.02Hz
Measurement accuracy:	3%
Voltage positive and negative peak error:	≤3%
Voltage waveform distortion:	≤5%.
Working environment:	Temperature: -10°C ~ +50°C, 85%RH.
	Indoor or outdoor
Weight:	Control unit:4kg HV unit: 50kg
Power supply:	220V ±10%, 50Hz ±5%
	If using a portable generator, make sure the output voltage and frequency are stable. Power >3kW.

■ More Technical Data for Different Models

Model	Rated voltage	Load capacity	Fuse	Weight	Purpose
FTAC-VLF-30/1.1	30kV (peak)	0.1Hz ≤1.1μF	10A	Controller:4kg Booster:25kg	10KV and below voltage cable, generator
		0.05Hz ≤2.2μF			
		0.02Hz ≤5.5μF			
FTAC-VLF-40/1.1	40kV (peak)	0.1Hz ≤1.1μF	10A	controller:4kg Booster:40kg	13KV and below voltage cable, generator
		0.05Hz ≤2.2μF			
		0.02Hz ≤5.5μF			
FTAC-VLF-50/1.1	50kV (peak)	0.1Hz ≤1.1μF	20A	Controller:4kg Booster:45kg	15.75KV and below voltage cable, generator
		0.05Hz ≤2.2μF			
		0.02Hz ≤5.5μF			
FTAC-VLF-60/1.1	60kV (peak)	0.1Hz ≤1.1μF	20A	Controller: 4 kg Booster:50 kg	18KVand below voltage cable, generator
		0.05Hz ≤2.2μF			
		0.02Hz ≤5.5μF			
FTAC-VLF-80/1.1	80kV (Peak)	0.1Hz ≤1.1μF	20A	Controller: 4 kg Booster:50 kg	35KV and below voltage cable, generator
		0.05Hz ≤2.2μF			
		0.02Hz ≤5.5μF			

Note: More details on VLF testing 30/40/50/60/70/80/90kV, please contact FUOTECH, we have professional tech team to design correctly designed products and systems.

■ More Details



■ Stocks



PRODUCT CASE

■ Standard Accessories

1. One special high-voltage connecting cable
2. One special low-voltage connecting cable
3. One power cable
4. Ten power supply fuse tubes
5. One discharging rod