

# VLF Very Low Frequency Tester



## 1.1 Application

The VLF Very low frequency Tester is applied in power cable and generator insulation test in power system

## 1.2 Technical index

- 1) Max voltage output: refer to table 1
- 2) Output frequency: 0.1Hz, 0.05Hz, 0.02Hz
- 3) Measurement error <math>< 3\%RDG + 0.3\%FS</math>
- 4) Positive and negative voltage peak errors <math>< 3\%RDG + 0.3\%FS</math>
- 5) Power supply: AC220V  $\pm$  10%, 50Hz/60Hz
- 6) Voltage wave form distortion: <math>< 5\%</math>
- 7) Environment temperature: 0~50°C
- 8) Humidity:  $\leq 85\%RH$



Table 1 parameters for very low frequency tester

Model no	Rated Voltage/current	Load Carrying Capacity	Product Structure and Weight
VLF-30	30kV/20mA (Peak)	0.1Hz, $\leq 1.1\mu F$	Controller: 4kg Booster: 25kg
		0.05Hz, $\leq 2.2\mu F$	
		0.02Hz, $\leq 5.5\mu F$	
VLF-50	50kV/30mA (Peak)	0.1Hz, $\leq 1.1\mu F$	Controller: 4kg Booster: 50kg
		0.05Hz, $\leq 2.2\mu F$	
		0.02Hz, $\leq 5.5\mu F$	
VLF-80	80kV/30mA (Peak)	0.1Hz, $\leq 0.5\mu F$	Controller: 4kg Booster Grade 1(30kV): 25kg Booster Grade 2(50kV): 50kg