

## KPM VLF HIGH VOLTAGE TESTER ( KPM-VLF Series )

KPM offers the most portable and easy to use VLF hipots available in market. A VLF hipot is just an AC output tester but with an output frequency of 0.1 Hz or lower rather than 50 Hz. Although the frequency is very low, it is still an alternating current with polarity reverses after every half cycle. At **0.1 Hz output**, rather than 50Hz, it takes **500 times less current and power** to apply an AC voltage to a capacitive load, like a long cable

**KPM product** combines modern advanced digital variable frequency technology and micro computer control together, therefore, it can realize

- full automatic voltage boost,
- step down,
- measurement and protection as well as the manual intervention in the process of automatic voltage boost.

- **Overcurrent protection:** it is high-low voltage dual protection in the design, the accurate shut-down protection can be made according to the set value at high voltage side; If the current on low voltage side exceeds the rated current, the instrument will take shut-down protection, the actuation time are both less than 20ms.

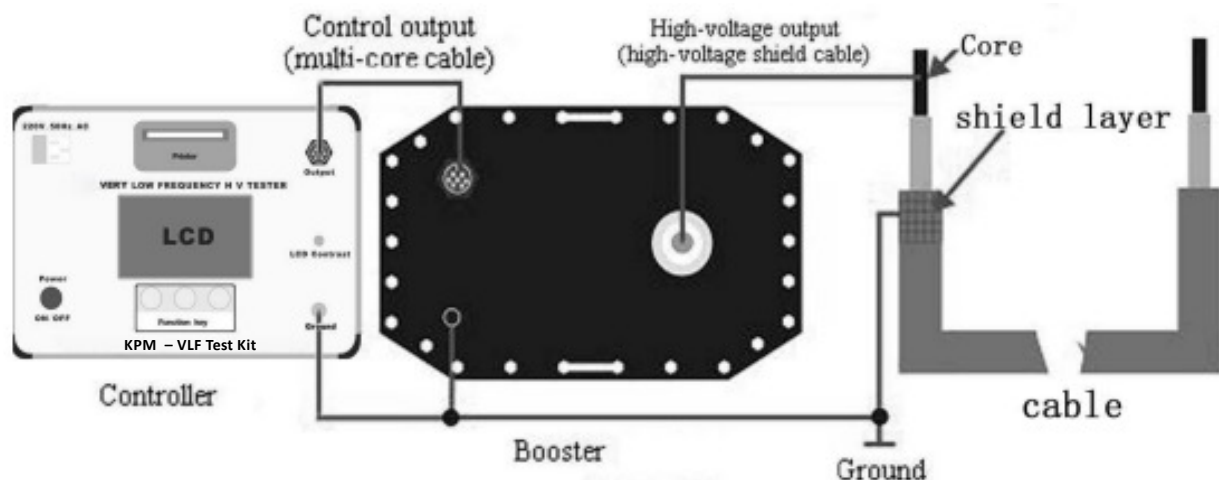


KPM – VLF Test Kit

### KEY SPECIFICATIONS :

- Small size
- Light weight
- Big Display. The printer outputs test reports. In addition, the product has features as follows:
- Data of current, voltage, wave form can be directly sampled at high voltage side, so the data is real and accurate.

- **Overvoltage protection:** If the output exceeds the set limit of voltage, the instrument will shut-down to protect itself, the actuation time is less than 20ms.
- 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.



## KPM VLF HIGH VOLTAGE TESTER ( KPM-VLF Series )

### TECHNICAL SPECIFICATIONS ( KPM-VLF-80 ):

1. Output voltage ratings: 80/30mA(Peak)
2. Output frequency: 0.1Hz, 0.05Hz, 0.02Hz
3. Measurement accuracy:  $\pm 3\%$
4. Positive and negative voltage peak errors:  $\leq 3\%$
5. Voltage wave form distortion:  $\leq 5\%$
6. Use condition: indoor and outdoor, temperature:  $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$ , humidity:  $\leq 85\%$
7. Input power: AC 50Hz, 220V  $\pm 5\%$  (this can be customized as requested)
8. Power supply fuse tube.

### AVAILABLE MODELS :

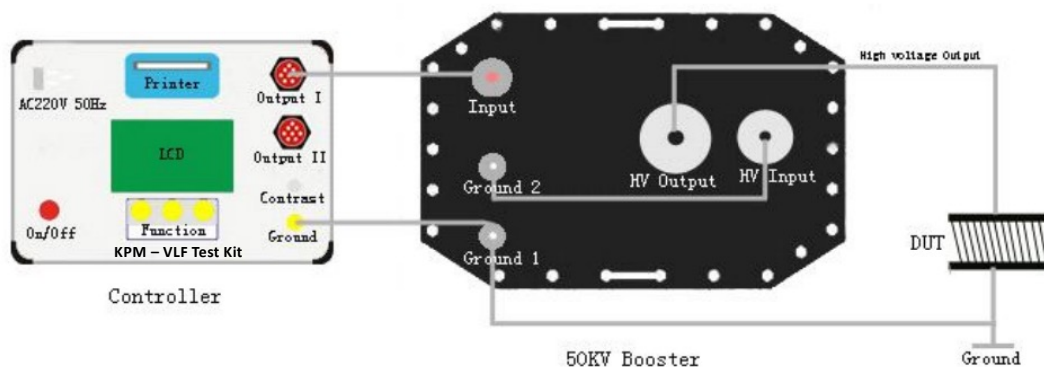
Rated Voltage/current	Load Capacitance	Fuse	Configuration and Reference Weight
30kV/20mA (Peak)	0.1Hz, $\leq 1.1\mu\text{F}$	5A	Controller: 4kg 30kV Booster: 25 kg
	0.05Hz, $\leq 2.2\mu\text{F}$		
	0.02Hz, $\leq 5.5\mu\text{F}$		
50kV/30mA (Peak)	0.1Hz, $\leq 1.1\mu\text{F}$	15A	Controller: 4 kg 50kV Booster: 50 kg
	0.05Hz, $\leq 2.2\mu\text{F}$		
	0.02Hz, $\leq 5.5\mu\text{F}$		
60kV/30mA (Peak)	0.1Hz, $\leq 0.5\mu\text{F}$	15A	Controller: 4 kg Booster 1 (30kV): 25 kg Booster 2 (30kV): 25 kg
	0.05Hz, $\leq 1\mu\text{F}$		
	0.02Hz, $\leq 2.5\mu\text{F}$		
80kV/30mA (Peak)	0.1Hz, $\leq 0.5\mu\text{F}$	20A	Controller: 4 kg Booster 1 (30kV): 25 kg Booster 2 (50kV): 50 kg
	0.05Hz, $\leq 1\mu\text{F}$		
	0.02Hz, $\leq 2.5\mu\text{F}$		

# KPM VLF HIGH VOLTAGE TESTER ( KPM-VLF Series )

## Applications:

VLF testing is used for any application requiring **AC testing of high capacitance loads**. Few of them are Stated below

- Rotating machinery–IEEE-433
- Capacitors
- Full Reel Cable
- Bushings & Insulators
- Transfor



- Note**
- # Kindly read the operation manual carefully before field usage
  - # During measurement never remove the wiring or directly switch off the device
  - # Always connect equipment body to healthy earth as per manual
  - # Company is having right to change the design & specification of products without notification for betterment of product

## About Us

KPM is a high quality manufacturer & provider of rugged electrical testing equipment for EHV/HV/LV substations. KPM solutions are known for:

- Best in class specifications
- Unique test approach
- Interference rejection capability

Each equipment is supported by advance service center in Gurgaon backed by a team of expert application & service engineers. KPM aims in bringing highest specification products at the doorstep of Indian customers in best rates.

## Contact Us

KPM ENGINEERING SOLUTIONS PVT. LTD.  
815 A, 8th Floor, Unitech Arcadia, Sec 49,  
Gurugram – 122018 ,Haryana  
Website : [www.kpmtek.com](http://www.kpmtek.com),  
Email : [sales@kpmtek.com](mailto:sales@kpmtek.com)  
Phone No : +91 124 4001088

