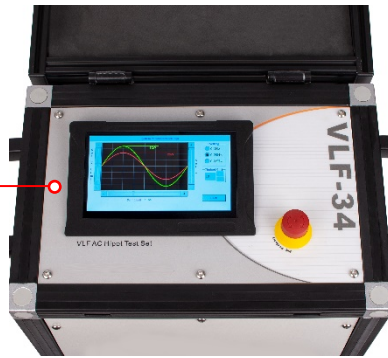


VLF-series

Portable High-voltage Test System



(VLF-34)



(VLF-60 or VLF-80)

FEATURES

- » High accuracy information about output current, voltage and waveform.
- » Advanced technology of digital frequency conversion, fully automatic control, voltage boost/step-down, measurement, protection, etc.
- » Integrated structure of control and high-voltage parts and only a high voltage and ground wires are need to be connected to the tested object.
- » Small size and light weight of trolley-style design is convenient for transportation in various working environments.
- » Over-voltage and over-current protections with action time less than 10 ms.
- » The control unit and the booster are connected at low voltage, with photoelectric isolation control for safe and reliable to use.
- » Closed-loop negative feedback circuit for prevention capacity rising during test.
- » Capacitive LCD touch screen, automatic result storage and printing.
- » Wide test frequency range: 0.1, 0.05 and 0.02 Hz (0.01 Hz – option).

DESCRIPTION

VLF-series is design for VLF testing of cables with XLPE insulations AC testing voltage up 30 kV (60 or 80 kV) peak with frequency 0.02, 0.05 or 0.1 Hz (0.01 Hz – option). This unit is a portable system in a single unit uses smart quick intelligent power testing system.

TECHNICAL SPECIFICATIONS:

	VLF-34	VLF-60	VLF-80
Testing			
Output voltage (peak)	30 kV	60 kV	80 kV
Type wave	sine	sine	sine
Output frequency	0.1, 0.05, 0.02 Hz (0.01 Hz – option)	0.1, 0.05, 0.02 Hz (0.01 Hz – option)	0.1, 0.05, 0.02 Hz (0.01 Hz – option)
Output current	10 mA	10 mA	10 mA
Output voltage accuracy	± 3 %	± 3 %	± 3 %
Waveform distortion	± 5 %	± 5 %	± 5 %
Load carrying capacity	0.1 Hz ≤ 1.1 μF	0.1 Hz ≤ 1.1 μF	0.1 Hz ≤ 1.1 μF
	0.05 Hz ≤ 2.2 μF	0.05 Hz ≤ 2.2 μF	0.05 Hz ≤ 2.2 μF
	0.02 Hz ≤ 5.5 μF	0.02 Hz ≤ 5.5 μF	0.02 Hz ≤ 5.5 μF
	0.01 Hz ≤ 7.0 μF	0.01 Hz ≤ 7.0 μF	0.01 Hz ≤ 7.0 μF
General			
Power supply	220 V	220 V	220 V
Power frequency	50/60 Hz	50/60 Hz	50/60 Hz
Current consumption	20 A (peak),	20 A (peak),	20 A (peak),
	15 A (average)	15 A (average)	15 A (average)
Power consumption	3 kW	3 kW	3 kW
Power fuse tube	8 A	10 A	20 A
Dimensions	400×280×660 mm	560×240×770 mm	560×240×770 mm
Weight	30 kg	55 kg	65 kg
Operational environment			
Operational temperature	-10 to +40 °C	-10 to +40 °C	-10 to +40 °C
Relative humidity	up to 85 % RH	up to 85 % RH	up to 85 % RH

KiloVolt represents a VLF testing and diagnostics unit with voltage and power ratings to meet your testing requirements. The VLF-series is functioning in compliance with recognized national and international industry testing standards. The VLF unit available from KiloVolt is designed for safety and ease of operation, and readily adapt to development, maintenance or production testing.