

Very Low Frequency Insulation Tester

This very low frequency (VLF) tester is designed for assessing electrical insulation integrity in cables and motors. It applies a low-frequency AC voltage to detect insulation defects by measuring the resulting current.



Product Overview

About the Very Low Frequency Insulation Tester

The Very Low Frequency (VLF) Tester is a high-precision instrument engineered for insulation integrity testing of power cables and generators. By utilizing ultra-low frequency testing, it provides an efficient and effective method to identify insulation degradation, such as water trees and partial discharges, with high sensitivity. This portable system features adjustable frequency and voltage settings to accommodate diverse diagnostic requirements in power systems and industrial facilities.

Technical Specifications

Model Specifications

Model	Rated Voltage/Current	Controller Weight	Booster Weight
VLF-30	30kV/20mA	4kg	25kg
VLF-50	50kV/30mA	4kg	50kg
VLF-80	80kV/30mA	4kg	25-50kg

Output Frequencies 0.1Hz, 0.05Hz, 0.02Hz

Measurement Error < 3%RDG+0.3%FS

Voltage Waveform Distortion < 5%

Operating Environment

Operating Temperature

0 °C

Min Temp

50 °C

Max Temp

Power Supply AC220V ± 10%, 50Hz/60Hz

Maximum Humidity 85 %RH

Logistics

Warranty Period 12 months

Delivery Time 7 working days