

# 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 |
|---------------|----------------|