

28kV VLF Sinus



**“Pre-Programmed”
Test Cycles
to fit your
Test Procedure,**

**True Sinusoidal Wave
Shape**

**Optional Tan Delta
Testing Capability**

**Data Logging via USB
Port**

**FIRST SMART
SINUSOIDAL VLF TEST TOOL**

Technical Specifications 28kV VLF Sinus

Description & Application

The 28kV VLF Sinus Tool is a lightweight, powerful low frequency true sinusoidal AC VLF Tester, which facilitates quick, easy and safe AC hipot tests of URD power cables. The unit can be used as either a proof test unit to test the workmanship of splices and terminations, or can be used to test the integrity of the cable insulation as part of a preventative maintenance program. Typically the circuits to be tested are short in length (approx. 2,000ft) and contain 15kV cables with relatively small conductor sizes (#2, 2/0). The 28kV VLF Sinus offers safety and protection features / options, which are innovative and unique to this class of equipment. They ensure the personal safety of the operator and protect the equipment from being inadvertently damaged. The unit can also be paired with the optional Tan Delta test set to allow for global test of the overall dielectric quality of the cable insulation.

Max. Low Frequency Output Voltage @ 0.1Hz: 28kV Peak
20kV RMS

Max. DC Hipot Output Voltage: 28kV Peak DC

Test Frequencies & Related Capacitances;
Auto-Ranging Depending on Cable Capacity
0.7µF@0.1Hz ; 5.0 µF @0.01Hz; minimum testing capacity of <10nF for short cables
(5,000 ft of URD size Cable = 0.5 µF@0.1Hz)
Modes: Sine wave, DC+, DC-, Square wave

Automatic Breakdown Indication

Automatic F-Ohm Safety Device
(ensures correct connection of test & ground leads)

Automatic Data Logging & Test Protocol

Leads / Terminations

12ft HV cable w/ Hotline Clamp
HV return with Hotline Clamp,
12 ft Ground Cable with Hotline Clamp
other Terminations, incl. Elbow Adaptors, optional

Dimensions: 19.5" x 18" x 12" (LxHxD)

Weight: 53 Lbs

Power Supply: 120VAC/60Hz

Power Consumption: 350VA max

Maximum Current: 9mA at 20kV

Protection Class: IP20 / IP67 with lid closed



Convenience Features:

- Microprocessor controlled
- Data logging via USB port
- Integrated wheels for easy portability

Optional Accessories

- VLF Tan Delta Test System

Outdoor Suitability

Rugged design
High impact resistant Pelican Case

Operating Temp: -5 F to 105 F (-20 °C + 40 °C)

Your Local Representative is:

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