



40kV VLF Hipot Test System with Integrated Tan Delta

HIVOLT VLF40T



Product Description

The HIVOLT VLF40T is an ultra-compact and lightweight VLF test set with integrated Tan Delta (TD) diagnostics, housed in a rugged trolley for easy transportation.

The HIVOLT VLF40T offers outstanding features in terms of size, weight, safety and ease of use.

To meet international test guidelines (e.g., IEEE 400.2-2013), the HIVOLT VLF40T combines a small and lightweight VLF test set with an integrated Tan Delta diagnostics unit. It performs VLF and DC testing, as well as Tan Delta testing. Cable condition assessments can be conducted using Tan Delta diagnostics.

Features:

- VLF withstand test with various frequencies (0.01 Hz - 0.1 Hz)
- DC test capability
- Cable Testing according to IEEE400
- 7" colour touch screen display
- True sine wave output
- Tan Delta measurement with various frequencies (0.01 Hz - 0.1 Hz)
- Real-time display of actual output waveform
- Over voltage and current protection
- Easily exchangeable HV cable
- Intuitive menu operation
- Internal memory with time/date stamp
- Internal thermal printer
- Rugged and all-in-one portable design

Specifications:

Parameter		Value
Output voltage		0 ~ 32kV _{RMS} / 0 ~ 40kV _{peak}
Output voltage (DC)		0 ~ ± 40kV
Accuracy		± 3%
Output current		0 ~ 20mA
Test voltage frequency		0.01 Hz ~ 0.1 Hz (auto variable frequency)
Load rating		0.6μF @ 0.1Hz @ 32kV _{RMS} 6μF maximum test capacity
Tan Delta	Output voltage	0 ~ 32kV _{RMS} / 0 ~ 40kV _{peak}
	Range	0.01×10 ⁻³ ~ 655.35 x 10 ⁻³ For values >655.35 x 10 ⁻³ , displayed as >655.35 x 10 ⁻³
	Accuracy	± 1%
	Resolution	1 x 10 ⁻⁵
Capacitance	Range	0.001μF to 10μF
	Resolution	0.001μF
	Accuracy	± 3%
Resistance	Range	1MΩ - 65,535MΩ For values >65,535MΩ, displayed as >65,535MΩ
	Resolution	1MΩ
	Accuracy	± 3%
Input voltage range		180 ~ 270VAC, 50/60Hz
Duty		Continuous
Display		7" colour touch screen
Memory		Internal memory with time/date
Operating temperature		- 20°C to + 50°C
Storage temperature		- 25°C to + 70°C
Relative humidity		85% at 30°C (no condensation)
Dimensions		430 * 170 * 290mm
Weight		32kg

Specifications subject to changes without notice