

40kV VLF HIPOT TEST SYSTEM

VLF AXM40P & VLF AXM40TD Datasheet

PRODUCT DESCRIPTION

The VLF AXM40P & VLF AXM40TD are truly compact and portable VLF test sets that determine the condition of power cables. Both test sets perform VLF and DC testing. In order to meet international test guides (e.g. *IEEE 400.2-2013*) the VLF AXM40TD combines the small and lightweight VLF test set with integrated Tan Delta diagnostics.

FEATURES

- VLF withstand test with various frequencies (0.01. -0.1 Hz)
- With DC test facility
- Cable Testing According IEEE 400.2-2013
- 7" color touch screen display
- True sine wave output
- Real-time display of actual output waveform
- Over voltage and current protect
- Easily exchangeable HV cable
- Intuitive menu operation
- Internal memory with time/date stamp
- Internal thermal printer
- Rugged and all-in-one portable design
- Tan Delta measurement with various frequencies (0.01. -0.1 Hz) (For VLF AXM40TD only)



YOUR BENEFITS



UNLIMITED OPERATING TIME

Designed for continuous operation without any thermal limitations.



SMALL AND LIGHTWEIGHT

The VLF HF series series offers the smallest and lightest VLF hipot test sets available. This makes them widely applicable for in-field use.



IP67 (with a closed lid)

A watertight and very rugged case with a protection class of IP67 makes additional transport boxes obsolete.



Pure sinusoidal output voltage

Pure sinusoidal output voltage (load-independent)

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SPECIFICATIONS:

Parameter		Value
Output voltage		0~ 29kV _{RMS} /0~40kV _{peak}
Output voltage (DC)		0~40kV
Accuracy		±3%
Output current		AC:0~20mA
		DC:0~15mA
Test voltage frequency		0.01Hz~0.1 Hz (auto variable and manually selected frequency)
Load rating		0.6μF@0.1Hz@32kV _{RMS}
		6μF maximum test capacity
Tan delta (for VLF AXM40TD only)	Output voltage	0~ 29kV _{RMS} /0~40kV _{peak}
	Range	$0.01 \times 10^{-3} \sim 655.35 \times 10^{-3}$
		For values $> 655.35 \times 10^{-3}$, displayed as $> 655.35 \times 10^{-3}$
	Accuracy	±1%
	Resolution	1×10^{-5}
Capacitance (for VLF AXM40TD only)	Range	0.001μF–10μF
	Resolution	0.001μF
	Accuracy	±3%
Resistance (for VLF AXM40TD only)	Range	1MΩ-65535MΩ
	Resolution	For values $> 65535\text{M}\Omega$, displayed as $> 65535\text{M}\Omega$
		1MΩ
	Accuracy	±3%
Input voltage range		180~270VAC,50/60Hz
Duty		Continuous
Display		7" color touch screen
Memory		Internal memory with time/date
Protection class		IP 20/IP67 (operation/transportation)
Operating temperature		- 20 °C ... + 50 °C
Storage temperature		- 25 °C ... + 70 °C
Relative humidity		85% at 30°C (no condensation)
Dimensions		500*300*460mm
Weight		31kg

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High voltage tests

Test types:	VLF withstand test
	DC test
	VLF Tan Delta test-(for VLF AXM40TD only)

SCOPE OF SUPPLY

Art. No.	
	VLF AXM40P VLF HIPOT TEST SYSTEM
	VLF AXM40TD VLF HIPOT TEST SYSTEM WITH TAN DELTA

Included accessories	AXM40P	AXM40TD
Compensation capacitor	1	1
HV connection cable	1	1
Compensation capacitor connection cable	1	1
Guard cable	–	1
Power cord	1	1
Ground lead with multiple connectors	1	1
Stylus pen	1	1
Thermal Printing Paper Roll	2	2
Fuse 20A	5	5
Discharge stick	1	1
Ground lead for Discharge stick	1	1
Calibration Certificate	1	1
User Manual	1	1
Packing List	1	1

UAB Axioma MS
 Web:www.axiomams.eu
 Tel:+370 37 452790
 E-mail:info@axiomams.eu

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