

- VLF
- DC
- Jacket/Sheath
- Fault conditioning

# HVA60

## Portable and universal VLF High Voltage Test Set

### Large output load capability up to 10 $\mu\text{F}$ <sup>1</sup>

The high power HVA60 Test System is capable of testing cables up to 3,300 m (1  $\mu\text{F}$  at 0.1 Hz and 44 kV rms).

The variable output frequency allows the testing of even much longer cables. At 10  $\mu\text{F}$  – 0.01 Hz and 44 kV rms a length of approx 33,000 m can be tested (see technical data).



Type	HVA60	
Article number	SH0203	
Input Voltage	110 – 240 V 50/60 Hz (1.5 kVA)	
Output Voltage	<b>Sinusoidal</b>	0 – 62 kV peak, 44 kV rms
	<b>DC</b>	$\pm 0$ – 60 kV
	<b>Squarewave</b>	60 kV
	<b>Accuracy</b>	$\pm 1\%$
	<b>Resolution</b>	0.1 kV
Output Current	0 – 40 mA (Resolution 1 $\mu\text{A}$ ) Accuracy: $\pm 1\%$	
Resistance Range	0.1 M $\Omega$ ...5 G $\Omega$	
Output Frequency	0.01 ... 0.1 Hz in steps of 0.01 Hz (default 0.1 Hz) – auto frequency selection	
Output Load	1.0 $\mu\text{F}$ @ 0.1 Hz @ 44 kV rms (Approx 3,300 m of cable) <sup>2</sup> 2.0 $\mu\text{F}$ @ 0.05 Hz @ 44 kV rms (Approx 6,600 m of cable) <sup>2</sup> 5.0 $\mu\text{F}$ @ 0.02 Hz @ 44 kV rms (Approx 16,600 m of cable) <sup>2</sup> 10 $\mu\text{F}$ maximum Capacitance! <sup>1</sup>	
Output Modes	AC (VLF) Symmetrical and load independent across full range, DC (plus or negative polarity), Burn-/ Fault Condition or Fault Trip Mode, Jacket / Sheath Testing	
Safety	50 Hz 12 kV Feedback Protection / Discharge unit	
Memory	50 Test Records Stored	
Metering	Voltage an Current (True rms and / or peak), Capacitance, Resistance, Time, Flashover Voltage	
Duty	Continuous! No thermal limitation for operating time.	
HV Cable	5 m with Alligator clamps on end (other options available on request)	
Software	„HVA Control Center“	
Computer interfaces	<b>RS232</b>	•
	<b>USB</b>	Flash Drive (Option)
Environmental conditions	Storage: -25°C to + 70°C, Operating: -5°C to + 45°C	
Dimensions L x W x H	450 x 340 x 520 mm	
Weight	57 kg	
Upgrades (Optional)	Tan Delta TD60 and Partial Discharge System PD60	

<sup>1</sup> At lower frequency and voltage

<sup>2</sup> Based on a typical cable: 300 pF/m

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ENGLISH

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