

- VLF
- DC
- Jacket/Sheath
- Fault conditioning

HVA30-5

Portable and universal VLF High Voltage Test Set

Large output load capability up to 15 μF^1

The ultra light HVA30-5 Test System is capable of testing cables up to 11,000 m (3.4 μF at 0.1 Hz and 23 kV rms).

The variable output frequency allows the testing of even much longer cables. At 15 μF – 0.01 Hz and 23 kV rms a length of approx 50,000 m can be tested (see technical data).



Type	HVA30-5	
Article number	SH0206	
Input Voltage	110 – 240 V 50/60 Hz (1.5 kVA)	
Output Voltage	Sinusoidal	0 – 33 kV peak, 23 kV rms
	DC	\pm 0 – 30 kV
	Squarewave	30 kV
	Accuracy	\pm 1 %
	Resolution	0.1 kV
Output Current	0 – 85 mA (Resolution 1 μA) Accuracy: \pm 1 %	
Resistance Range	0.1 M Ω ...5 G Ω	
Output Frequency	0.01 ... 0.1 Hz in steps of 0.01 Hz (default 0.1 Hz) – auto frequency selection	
Output Load	3.4 μF @ 0.1 Hz @ 23 kV rms (Approx 11,000 m of cable) ² 5 μF @ 0.1 Hz @ 19 kV rms (Approx 17,000 m of cable) ² 6.25 μF @ 0.08 Hz @ 19 kV rms (Approx 21,000 m of cable) ² 10 μF @ 0.05 Hz @ 19 kV rms (Approx 33,000 m of cable) ² 15 μF maximum Capacitance! ¹	
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	Discharge unit	
Memory	50 Test Records Stored	
Metering	Voltage and Current (True rms and / or peak), Capacitance, Resistance, Time, Flashover Voltage	
Duty	Continuous! No thermal limitation for operating time.	
HV Cable	4.5 m with Alligator clamps on end (other options available on request)	
Software	„HVA Control Center“	
Computer interfaces	RS232	•
	USB	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 (Excludes Carry Handle)	
Weight	45 kg	
Upgrades (Optional)	Tan Delta TD30 and Partial Discharge System PD30	
¹ At lower frequency and voltage		
² Based on a typical cable: 300 pF/m		

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