

HVA120

Compact and universal VLF High Voltage Test Set



HVA

- VLF
- DC
- Jacket/Sheath Test
- Sheath Fault Location mode¹
- Unlimited operating time
- Fault conditioning
- DDD®
Dual Discharge Device (internal)
- USB Data Transfer

Large output load capability up to 5 μ F

The HVA120 has the highest power to weight ratio of any comparable unit. Apart from their variable frequency VLF output, the operator can also select dual polarity DC and cable jacket or sheath testing output modes. It also features both electronic and mechanical discharging of devices under test (DDD®), a 12kV feedback protection system and an unlimited duty cycle (dry system – no oil used) completing the performance of this out-standing HV System. The HVA120 can be upgraded with a Tan Delta (TD) Diagnosis System and a Partial Discharge (PD) Diagnosis System (both optional).

Type	HVA120	
Article number	SH0215	
Input Voltage	210 – 240 V 50/60 Hz (3.0 kVA)	
Output Voltage	Sinusoidal	0 – 120 kV peak, 85 kV rms
	DC	\pm 0 – 100 kV
	Squarewave	100 kV
	Accuracy	\pm 1 %
	Resolution	0.1 kV
Output Current	0 – 60 mA (Resolution 1 μ A) Accuracy: \pm 1 %	
Resistance Range	0.1 M Ω ...5 G Ω	
Sheath Test	Umax	10 kV
	Duration	1 min – 15 min
	Trip Current	0.1 mA – 5.0 mA
Sheath Fault Location ¹	Unmax	10 kV
	Duration	1 min – 60 min
	Pulse/Period	1:3 / 4 s, 1:5 / 4 s, 1:5 / 6 s, 1:9 / 6 s
Output Frequency	0.01 ... 0.1 Hz in steps of 0.01 Hz (default 0.1 Hz) – auto frequency selection	
Output Load	0.5 μ F @ 0.1 Hz @ 85 kV rms 5.0 μ F @ 0.01 Hz @ 85 kV rms	
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	6 m with Alligator clamps on end (other options available on request)	
Software	„HVA Control Center“	
Computer interfaces	RS232	•
	USB	•
Environmental conditions	Storage: -25°C to + 70°C, Operating: -5°C to + 45°C	
Dimensions L x W x H	790 x 445 x 740 mm (Excl. Carry Handle), also as 19" version available	
Weight	198 kg	
Upgrades (Optional)	Tan Delta TD120-MC, Partial Discharge System PD90-2 / PDTD90-2	

¹ In combination with locator set (not in scope of supply)