



# HVA45

## VLF High Voltage Test Set

Typ		HVA45
Article number		SH0260
Input Voltage		100 – 230 V, 50/60 Hz, 1200 VA
Output Voltage	Sinusoidal	0 – 45 kV peak, 32 kV rms
	DC	± 0 – 45 kV
	Squarewave	0 - 45 kV
	Accuracy	± 1%
	Resolution	0.1 kV
Output Current		0 – 60 mA (Resolution 1 µA)   Accuracy: ±1%
Resistance Range		0.1 MΩ...5 GΩ
Output Frequency		0.01 ... 0.1 Hz in steps of 0.01 Hz (default 0.1 Hz) - auto frequency
Output Load		1.0 µF @ 0.1 Hz @ 32kV rms
Sheath Test	Unmax	10 kV
	Trip Current	0.1 mA – 5.0 mA
Sheath Fault Location <sup>1</sup>	Unmax	10 kV
	Pulse/Period	1:3 / 4 s, 1:5 / 4 s, 1:5 / 6 s, 1:9 / 6 s
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 / Dual Discharge Device (internal)
Memory		50 Test Record Stored   USB almost unlimited
Metering		Voltage and Current (True rms and / or peak), Capacitance, Resistance, Time, Flashover Voltage
HV-Cable		5 m with clamps
Software		"b2 Control Center" (included)
Computer interfaces	Bluetooth	standard
	USB	standard
Dimensions LxBxH / Weight		500 x 305 x 457 mm (Peli Case) / 36 kg
Environmental conditions		Storage: -25°C to + 70°C Operating: -20°C to + 55°C Humidity: 5-85% non condensing

<sup>1</sup>in combination with locating device (not in scope of supply)

## Options

- Internal / External Tan Delta Diagnostics System
- Partial Discharge Diagnostics System

## Scope of delivery

- HVA45 Testing Device
- PC Software - b2 ControlCenter
- HV cable 5 m
- Power and earthing cable
- Accessory Bag
- USB Stick
- Operating Manual