

# HVA200

## VLF High Voltage Test Set



The high power HVA200 Test System is capable of testing cables up to 140 kV (Test Voltage  $1.7 \times U_0$ ). The HVA200 is for laboratory use or can be fitted as a mobile test laboratory into a van. The smallest and lightest VLF unit of his class offers VLF (Very Low Frequency) 0.1 Hz standard testing as well as DC output voltage up to 200 kV. The HVA200 system can be upgraded with optional Tan Delta or Partial Discharge Diagnostics Systems.

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## Features

- Output voltage 200 kV<sub>peak</sub> 140 kV<sub>rms</sub>
- Pure sinusoidal output voltage (load-independent)
- Output current 140 mA max.
- Cable Testing According IEEE400
- Unlimited and continuous duty cycle
- Interface: Optical fiber & USB
- Programmable test sequences
- Upgradable with partial discharge diagnostics and Tan Delta system (optional)
- PC software "b2 Suite<sup>®</sup>" with various control and reporting functions included
- RMS digital metering of voltage and current. Automatic measurement of R and C
- Automatic load calculation and frequency selection (0.01 - 0.1 Hz)
- Load independent, true symmetrical sinusoidal output over the entire power range
- Hybrid System
- Flexible positioning
- Almost unlimited operating time

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Type		HVA200
Articlenumber		SH0218
Output Voltage	VLF Sinusoidal	200 kV <sub>peak</sub> 140 kV <sub>rms</sub>
	DC	+/- 200 kV
Output Current		max. 140 mA
Output Power		7.2 kVA
Output Frequency		0.01 - 0.1 Hz
Max. C Load at 0,1 Hz		0.6 µF - 140 kV <sub>rms</sub>
Input Voltage		3 P + N + PE 16A 230/400 V AC
Input Frequency		48 – 62 Hz
Input Power		9 kVA
Output Modes		AC (VLF) Symmetrical and load independent across full range DC (plus or negative polarity)
Interface		Optical fiber and USB
Weight		< 900 kg
Dimension L x H x W (cm)		Flex set-up / 430 x 230 x 120
Environmental conditions		Storage: -25°C to +70°C Operating: -10°C to + 45°C Humidity: 5-85% non condensing
Protection Class		IP22

DHV1279 Rev08 - ENGLISH - Subject to alternations. Errors excepted. Illustrations are not binding.

## Options

- Tan Delta System
- Partial Discharge Diagnostics System
- Transport Boxes



Riedstrasse 1 | 6833 Klaus | Austria  
Telephone +43 (0) 5523 57373  
info@b2hv.at | www.b2hv.com