

HVA200 & PDTD200-2

VLF High Voltage Test Set and Diagnostics System



The high power HVA200 Test System is capable of testing cables up to 138 kV (Test Voltage $1,7 \times U_0$) and allows to diagnose these cables with Partial Discharge and Tan Delta Diagnostics. 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.

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Features

- Output voltage 200 kV_{peak}, 138 kV_{rms}
- Pure sinusoidal output voltage (load-independent)
- Partial Discharge and Tan Delta Diagnostics
- Output current 140 mA max.
- Cable Testing According IEEE400
- Unlimited and continuous duty cycle
- Interface: Bluetooth & USB
- Programmable test sequences
- PC software "b2 Suite®" 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 positionig
- Almost unlimited operating time

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VLF High Voltage Test Set and Diagnostics System

Type		HVA200
Article number		SH0218
Output Voltage	VLF Sinusoidal	200 kV _{peak} 138 kV _{rms}
	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 - 138 kV _{rms}
Input Voltage		3 P + N 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		Bluetooth and USB
Weight		< 850 kg
Dimension / L x H x W (cm)		Flex set-up / 430 x 230 x 120 cm
Protection Class		IP22

Type		Partial Discharge
Article number		SH0250
Capacitance Couplingcapacitor / Filter		0.75 nF
Filter analog, digital, frequency filter		yes
Capacitance range		0.001 pF to 6 µF
PD Measurement		Setup according IEC60270
PD Range		50 pC up to 100 nC
Bandwith		150 kHz up to 50 MHz
Max. length of cable		≥ 10km
Measurement Range		up to 100 km
Coupling capacitor dimension / weight		178 cm long x 66 cm in diameter / 90 kg
Filter dimension / weight		178 cm long x 66 cm in diameter / 90 kg
Metering Cable		length with PD activities, PD location, PD mapping, PD magnitude, Sine Wave Imposed display, Background Noise, PDIV and PDEV

Type		Tan Delta Diagnostics
Accuracy		3x10 ⁻⁴
Resolution		1x10 ⁻⁵
Load range		1 nF up to 10 µF

Norsk importør:



Eskeland Electronics AS
Rasmus Solbergs v 1,
1400 Ski
Tlf: 64 94 30 70
Web: www.detektor.no

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

