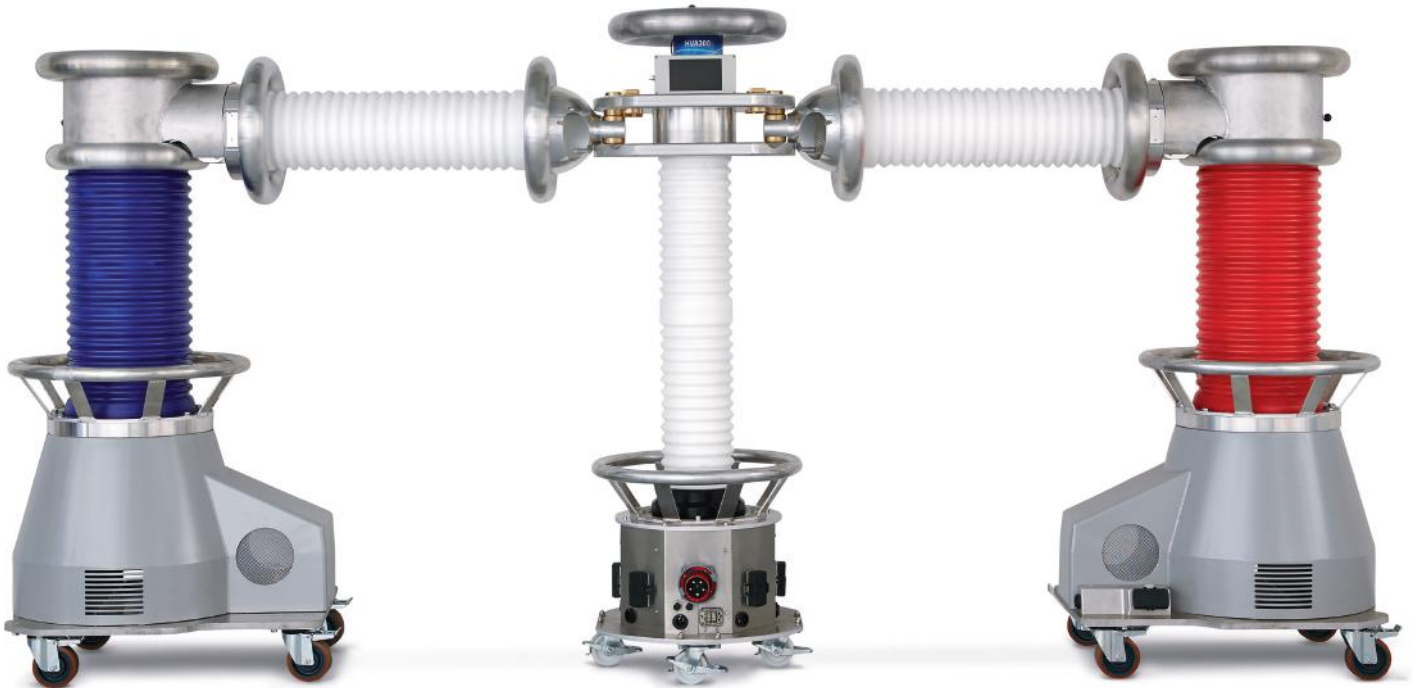


HVA200

VLF High Voltage Test Set



The high power HVA200 Test System is capable of testing cables up to 141 kV (Test Voltage $1.7 \times U_0$). 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. This space saving configuration allows the test set to be mounted on a van or trailer or can be transported in solid transport boxes (optional).

Features

- Output voltage 200 kV_{peak} 141 kV_{rms}
- 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®" 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

HVA200

VLF High Voltage Test Set

| Type | HVA200 | |
|--------------------------|---|--|
| Article number | SH0218 | |
| Output voltage | VLF sine wave | 200 kV _{peak} 141 kV _{rms} |
| | DC | +/- 200 kV |
| Output current | max. 140 mA | |
| Output power | 7.2 kVA | |
| Output frequency | 0.01 - 0.1 Hz | |
| Output load | 0.65 µF @ 0.1 Hz @ 141 kV _{rms} max. 10 µF maximum capacitance!* | |
| 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 | |
| Dimensions L x H x W | Flex set-up / 430 x 230 x 120 cm | |
| Environmental conditions | storage: -25°C to +70°C operating: -10°C to +45°C humidity: 5-85 % non condensing | |
| Protection class | IP22 | |

* at lower frequency and voltage

Options

- Tan Delta system
- Partial Discharge diagnostics system
- Transport boxes
- Mounted on a truck or trailer