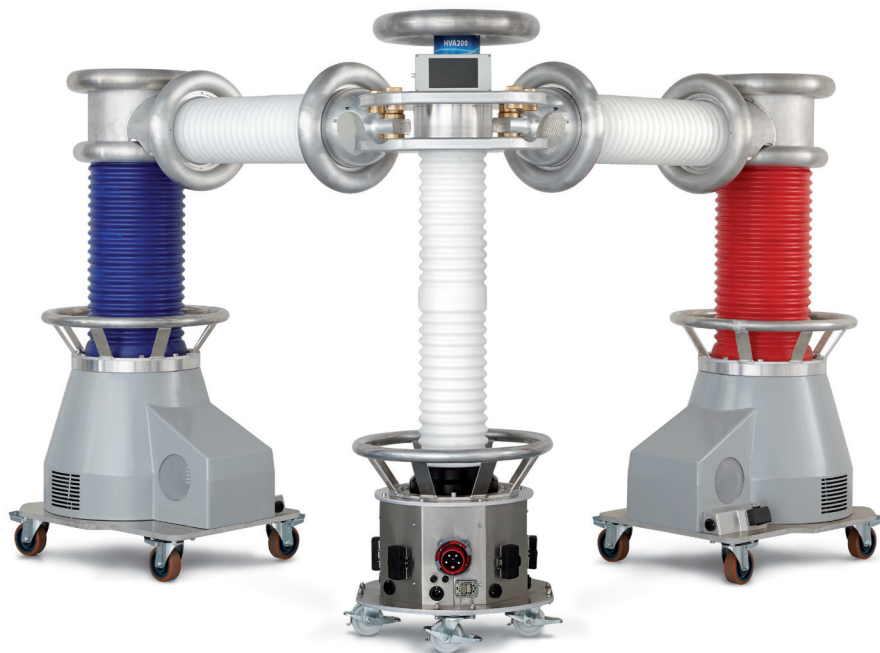


HVA200 VLF TEST SET

HVA200 VLF Hipot Tester (0.1 Hz) Very Low Frequency



HVA200

HVA SERIES
VLF TEST SETS



HVA28 / HVA28TD

HVA34 / HVA30-5 / HVA60

HVA54/80 / HVA90 / HVA94

HVA120 / HVA54-5

HVA SERIES

b2 electronic GmbH offers a wide range of different VLF test generators. From portable and very robust generators, such as the HVA28, which weighs only 14kg, to very powerful systems for mobile test van applications, models are available with up to 200 kV test voltage. The designs of all b2 electronic VLF generators are based on the same scalable power electronics that have already been well proven in over 120 countries under varied environmental conditions.

Redundant safety features such as dual discharge devices and integrated reverse voltage protection ensure optimal safety. The HVA high voltage generators are designed for continuous operation, are very easy to operate via rotary knob control interface and are extremely sturdy in design so as to meet all the requirements of field operation.

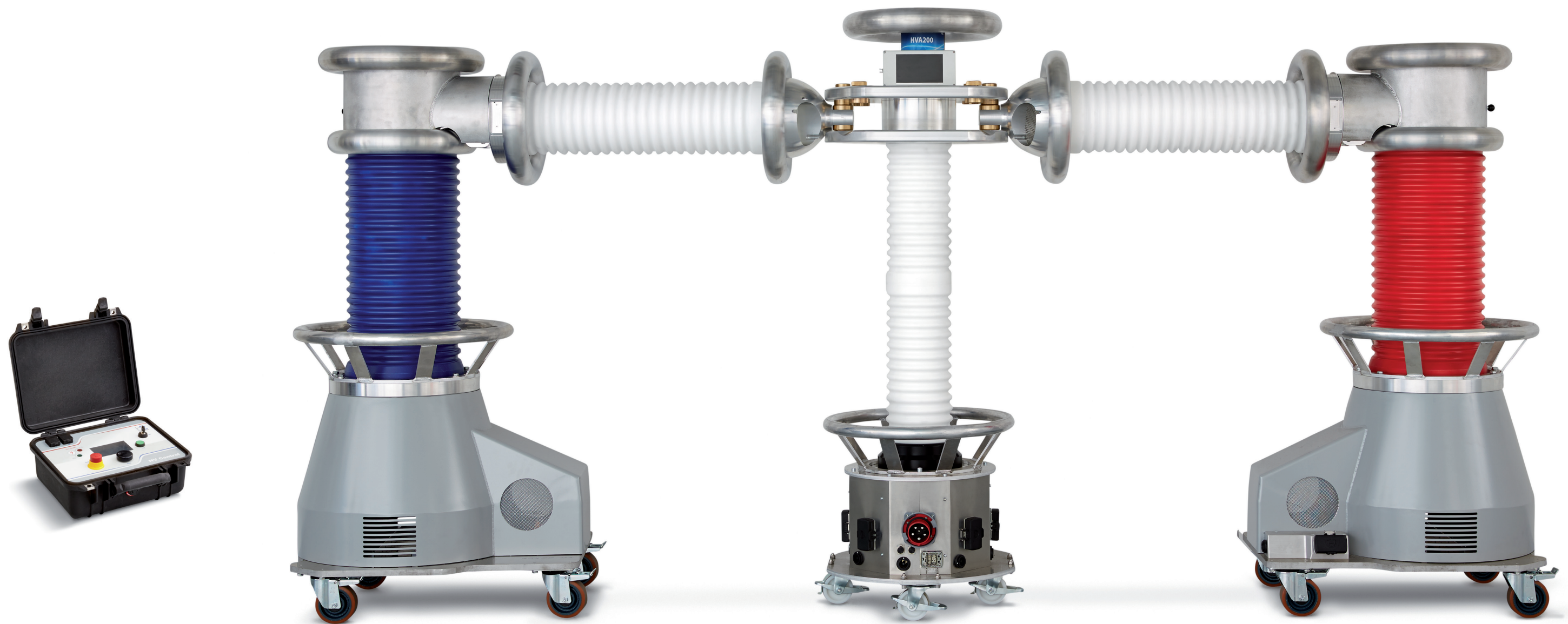
HVA	HVA200
Output Voltage	
- VLF Sinusoidal	200 kV, 138 kV _{rms}
- DC	± 200 kV
Output Current _{max}	140 mA
Output Load	0,6 µF @ 138 kV _{rms}
max. Capacitance *	6,0 µF
Output Modes	AC (VLF) Symmetrical and load independent across full range, DC (plus or negative polarity)
DDD® – Dual Discharge Device	●
50 Hz – 12 kV Feedback Protection	●
USB / Bluetooth	● / ●
Dimensions L x W x H (mm)	Flex set-up
Weight	850 kg

* at lower voltage and frequency

	HVA28/TD	HVA34	HVA30-5	HVA54/80	HVA54-5
Output Voltage					
- VLF Sinusoidal	28 kV, 20 kV _{rms}	34 kV, 24 kV _{rms}	33 kV, 23 kV _{rms}	54 kV, 38 kV _{rms}	54 kV, 38 kV _{rms}
- DC	± 28 kV	± 34 kV	± 30 kV	± 80 kV	± 54 kV
- VLF Squarewave	28 kV	34 kV	30 kV	54 kV	54 kV
Output Current _{max}	20 mA	15 mA	85 mA	65 mA	160 mA
Output Load	0,5 µF @ 0,1 Hz @ 20 kV _{rms}	0,5 µF @ 0,1 Hz @ 24 kV _{rms}	3,4 µF @ 0,1 Hz @ 23 kV _{rms}	2,0 µF @ 0,1 Hz @ 38 kV _{rms}	5 µF @ 0,1 Hz @ 38 kV _{rms}

	HVA60	HVA90	HVA94	HVA120
Output Voltage				
- VLF Sinusoidal	62 kV, 44 kV _{rms}	90 kV, 64 kV _{rms}	94 kV, 66 kV _{rms}	120 kV, 85 kV _{rms}
- DC	± 60 kV	± 90 kV	± 90 kV	± 100 kV
- VLF Squarewave	60 kV	90 kV	90 kV	100 kV
Output Current _{max}	40 mA	65 mA	65 mA	60 mA
Output Load	1 µF @ 0,1 Hz @ 44 kV _{rms}	1 µF @ 0,1 Hz @ 61 kV _{rms}	0,75 µF @ 0,1 Hz @ 66 kV _{rms}	0,5 µF @ 0,1 Hz @ 85 kV _{rms}

Please find detailed technical specification at www.b2hv.com



INNOVATIVE, RELIABLE, ECONOMICAL – HIGH VOLTAGE TESTING FROM B2 HIGH VOLTAGE

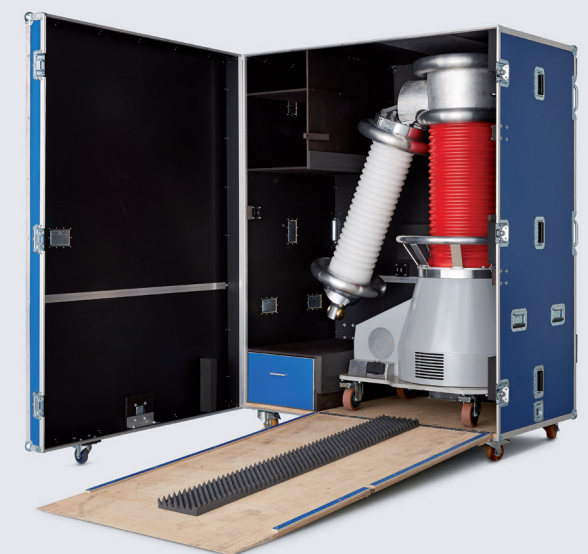
VLF cable testing is a standardized and contemporary process for determining the condition of cables in medium- and high-voltage networks, since the older DC testing of aged extruded cables in many cases led to damage to the cable insulation, causing premature and unwanted loss of the cable.

For more than 14 years, b2 electronic GmbH has developed and manufactured VLF high voltage systems for testing and diagnostics, for power utilities and their supporting industries worldwide.

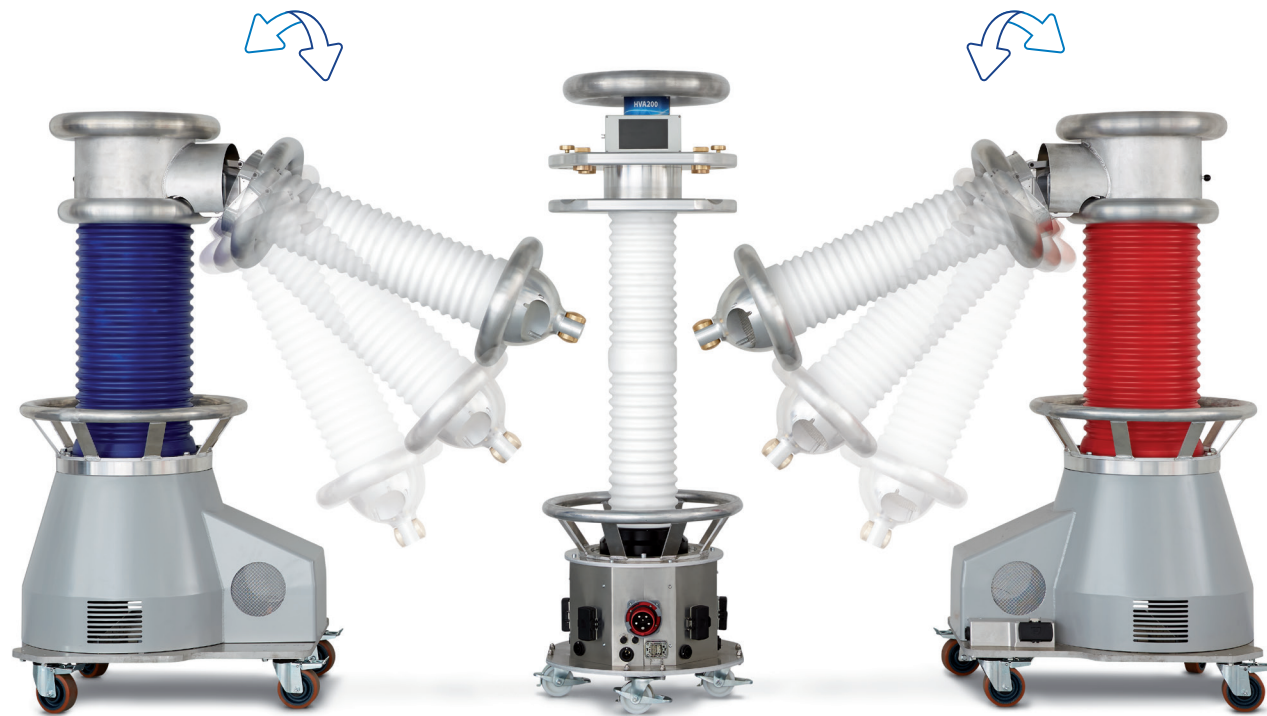
Thousands of units have been sold worldwide. These VLF (0.1 Hz) type high-voltage generators (from 28 kV up to 200kV) provide b2 the most impressive references possible!

HVA – MORE BENEFITS

- Load independent, true symmetrical sinusoidal output over the entire power range
- Automatic load calculation and frequency selection (0.01 - 0.1 Hz)
- High output power
- RMS digital metering of voltage and current. Automatic measurement of R and C
- PC software "b2 Suite®" with various control and reporting functions included



transport boxes optional



Upgradeable to Partial Discharge (PD) – and Tan Delta diagnostics (TD) systems

The HVA high voltage generators can be extended at any time to a cable diagnostics system. Generating a load independent, true symmetrical sinusoidal voltage allows an upgrade of an HVA test generator to a diagnostics system for Partial Discharge and/or Tan Delta.

The HVA test generator serves as the HV source for these diagnostics systems from b2 electronic.



PD30-E

PDTD60-2

THE MOST INNOVATIVE, SAFEST, LIGHTEST AND SMALLEST – A CLASS OF THEIR OWN!

The compact design and the unmatched HV output power to weight ratio, are second to none in the market and make the b2 electronic high-voltage generators the lightest in all classes at all voltage levels.



PC SOFTWARE "b2 SUITE®"

The b2 Suite® is the integrative "all-in-one" control and diagnostics software. b2 Suite® leads you through the entire process of cable testing like VLF, PD and TD Diagnostics, Analysis and Reporting and serves at the same time as a comprehensive Database.



VLF and DC

- Sinusoidal VLF output voltage up to 200 kV (138 kV_{rms})
- DC (±) voltages up to 200 kV



Dry system

The HVA200 test sets is an almost dry type test system (only a small amount of oil used). This means less maintenance, compact design and no hassle during transport.



Smallest and lightest VLF cable test set

The HVA200 is the smallest and lightest available.



Transportation and mounted solutions

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).



Flexible positioning

The HVA200 can be positioned in a V-type for a space saving configuration or can be arranged for a laboratory set-up.



Unlimited operating time

Operating time of the HVA high voltage generators are not thermally limited and can be operated continuously.

b2 electronic GmbH with its business division b2 High-Voltage is an internationally operating company, which develops, manufactures and distributes practically oriented high voltage equipment for simple cable testing, cable diagnostics and onsite oil testing.

Several decades of development experience in the field of test engineering, a profound understanding of the needs of energy suppliers and the will for improvement, equip the company with the skills required for lasting success.

Systems by b2 are benchmark worldwide for innovation, low weight, compact dimensions and usability and prove themselves with energy suppliers all over the world.

b2 is in a constant dialog with its customers, collects their suggestions and needs, matches them to b2 visions and develops new product ideas out of that.

By an active, certified quality management along the entire business process, b2 ensures in the implementation of its ideas the maximum customer satisfaction possible.



www.b2hv.com

b2 High-Voltage
is a division of

b2 electronic GmbH
Riedstraße 1, 6833 Klaus, Austria
Telephone +43 (0)5523 57373
Fax +43 (0)5523 57373-5
info@b2hv.com, www.b2hv.com

b2
High-Voltage