

## PGK 150 HB

### BAUR AC/DC HV test set



The figure is illustrative.

### Voltage test with DC voltage or mains frequency

- Operation as DC or AC testing device
- Polarity of the DC voltage can easily be reversed
- Robust and durable

The BAUR PGK 150 HB AC/DC HV test set is used to generate continuously adjustable test voltages:

- DC voltages with positive or negative polarity
- AC voltages at mains frequency

The test set consists of an operating unit and an HV unit. The operating unit contains all operating and display elements and allows the HV unit to be controlled from a safe distance. Depending upon the operating mode, a rectifier or resistance rod is used in the HV unit. The polarity of the test DC voltage can be reversed by rotating the rectifier rod in the HV unit.

All devices in the PGK HB series are short-circuit proof and have a current-compensated voltage measuring function. A discharge and earth rod suitable for the device in question is supplied for the discharging of capacitive test objects in DC voltage mode.

#### Functions

- On-site testing of paper-insulated mass-impregnated cables according to:
  - VDE DIN 0276-620/621 (CENELEC HD 620/621)
  - IEEE 400-2012
  - IEC 60060-3
- Voltage test on electrical equipment according to:
  - IEEE 62.2
  - IEEE 95
- Cable sheath testing according to:
  - IEC 60502 / IEC 60229
  - VDE DIN 0276-620/621 (CENELEC HD 620/621)

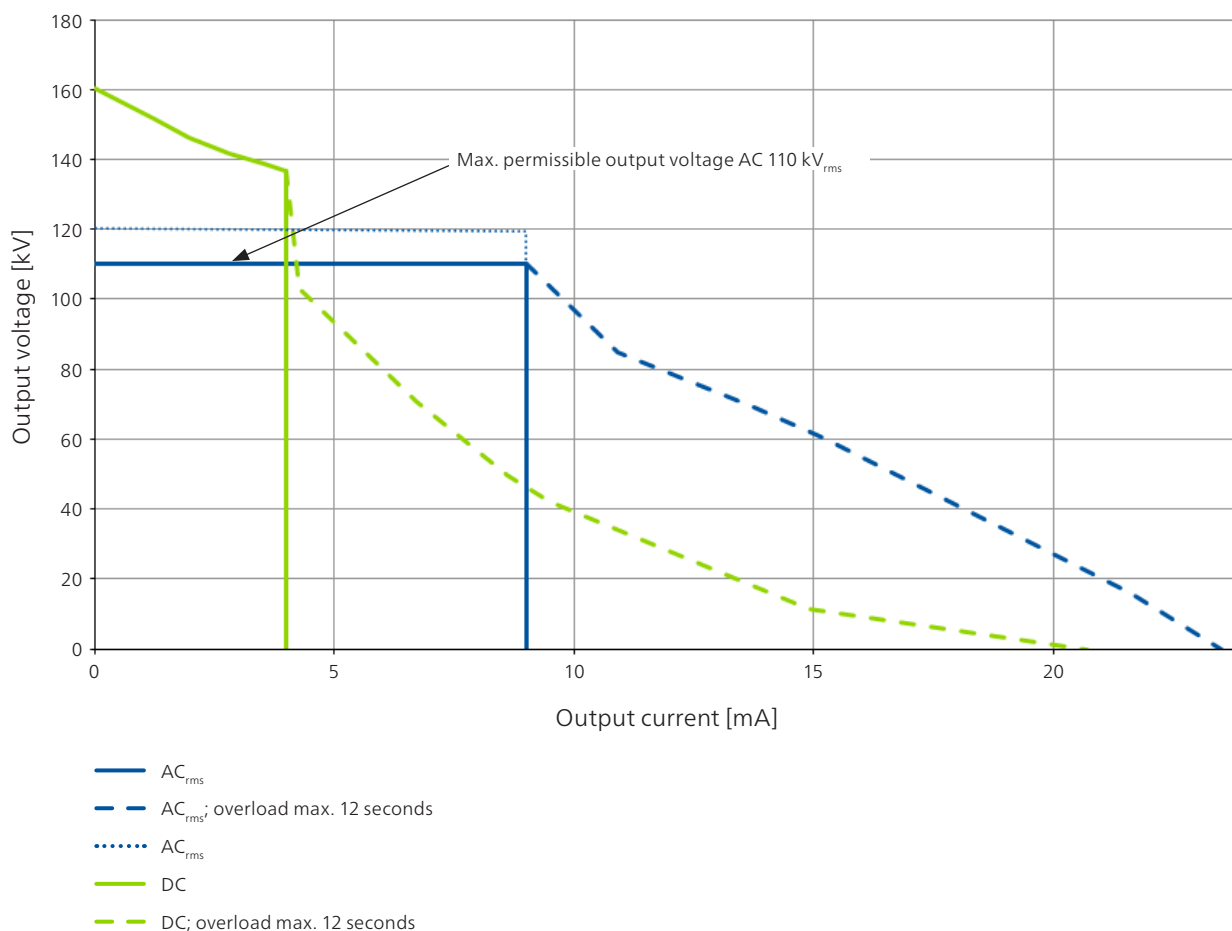
#### Features

- Test voltages up to AC 110 kV<sub>rms</sub> or DC ±150 kV
- Oil-insulated maintenance-free high voltage transformer
- Continuously adjustable output voltage
- Safety control unit according to EN 50191
- Voltmeter with 2 measurement ranges
- Ammeter with 3 measurement ranges
- Thermal overcurrent switch-off
- Robust two-part structure

## Technical data

Testing		Ambient temperature (operational)	
Output voltage	<ul style="list-style-type: none"> <li>AC 0 – 110 kV<sub>rms</sub></li> <li>DC 0 to ±150 kV</li> </ul>	0°C to +45°C	
Output current (continuous)	<ul style="list-style-type: none"> <li>AC 9 mA<sub>rms</sub></li> <li>DC ±4 mA</li> </ul>	Storage temperature	
Short-circuit current	<ul style="list-style-type: none"> <li>AC 23 mA<sub>rms</sub></li> <li>DC ±20 mA</li> </ul>	-20°C to +60°C	
Accuracy		Relative humidity	
	Voltmeter (kV)	Non-condensing	
	Ammeter (mA)		
General		Dimensions	
Power supply	200 – 260 V, 50/60 Hz	Operating unit (W x H x D)	Approx. 506 x 258 x 319 mm, (19", 5 RU)
	Option 100 – 130 V, 50/60 Hz (with external auto transformer)	HV unit (Height / Diameter)	Approx. 1 433 mm / Ø ca. 473 mm
Power consumption	1 380 VA	Weight	
In short-circuit	2 650 VA	Operating unit	Approx. 17 kg
		HV unit	Approx. 83 kg
		Safety and EMC	
		CE-compliant in accordance with Low Voltage Directive (2014/35/EU), EMC Directive (2014/30/EU), EN 60068-2-ff Environmental testing	

## Load diagram



### Standard delivery

- BAUR PGK 150 HB AC/DC HV test set
- GDR 160-1000 discharge and earth rod
- Connection cable, 5 m, for connecting the HV unit to the operating unit
- HV connection cable, 2.5 m, with connection clip
- Rectifier rod for DC voltage operation, screwed into the HV unit
- Resistance rod for AC voltage operation
- Wrench for changing the rectifier and resistance rod
- Earth cable, 3 m, with earth terminal
- Mains supply cord, 2.5 m
- User manual

### Options

- GDR 160-1000 discharge and earth rod
- Trolley for HV part
- Hinged stand for 19" devices, height 5 RU (222 mm)
- EM 150 automatic discharge unit; 45 kJ
- Transport case for operating unit  
Dimensions (W x H x D) approx. 515 x 430 x 255 mm
- Transport case for HV unit  
Dimensions (W x H x D) approx. 530 x 1 665 x 530 mm
- External emergency off unit with signal lamps,  
incl. connection cable, 25 m, on hand drum
- External emergency off unit with signal lamps,  
incl. connection cable, 50 m, on hand drum
- External auto transformer 110/230 V; 1.5 kVA
- Rectifier rod
- Resistance rod