

PGK 260 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 change of DC voltage possible
- Robust and durable

The PGK 260 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 (option) 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.

* The optional resistance rod is necessary for AC voltage mode.

Functions

- On-site testing of paper-insulated mass-impregnated cables according to:
 - CENELEC HD 620/621 (VDE DIN 0276-620/621)
 - 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
 - CENELEC HD 620/621 (VDE DIN 0276-620/621)

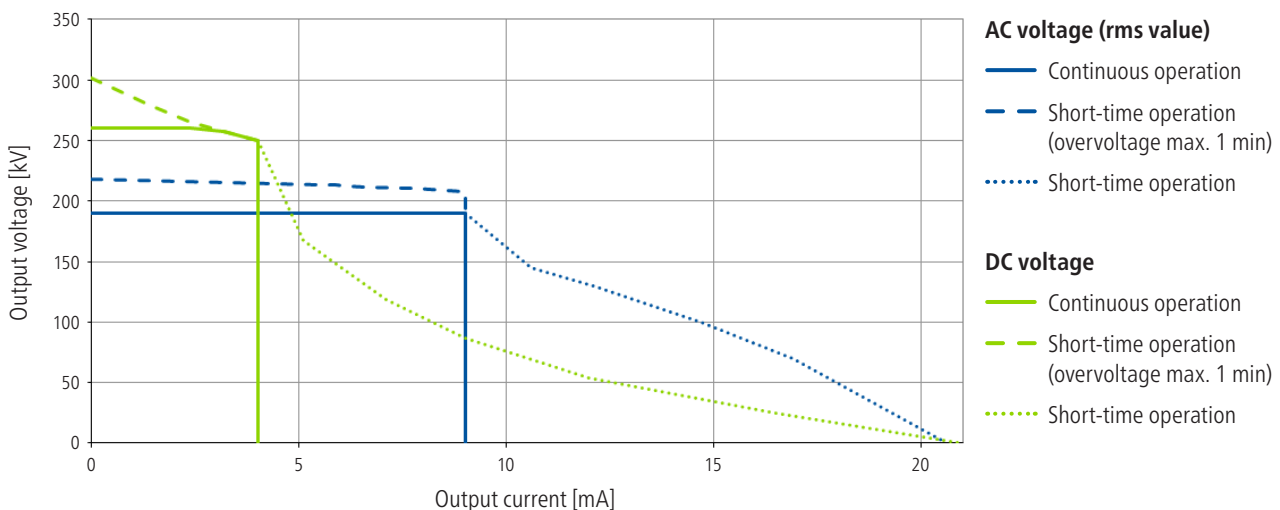
Features

- Test voltages up to AC 190 kV_{rms}* or DC ±260 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		General	
Output voltage	DC 0 to ± 260 kV	Power supply	200 – 260 V, 50/60 Hz
Option	AC 0 – 190 kV _{rms}	Option	100 – 130 V, 50/60 Hz (with external auto transformer)
Output current (continuous)	DC ± 4 mA	Power consumption	2,600 VA
Option	AC 9 mA _{rms}	In short-circuit	5,000 VA
Short-circuit current	DC ± 20 mA	Ambient temperature (operational)	0°C to +45°C
Option	AC 20 mA _{rms}	Storage temperature	-20°C to +60°C
Accuracy		Relative humidity	Non-condensing
Voltmeter (kV)	2.5%	Dimensions	
Ammeter (mA)	2.5%	Operating unit (W x H x D)	Approx. 506 x 258 x 319 mm, (19", 5 RU)
		HV unit (Height / Diameter)	Approx. 2,055 mm / Ø ca. 1,265 mm
		Weight	
		Operating unit	approx. 19 kg
		HV unit	approx. 280 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

- PGK 260 HB AC/DC HV test set
- GDR 260-1750 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
- 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 260-1750 discharge and earth rod
- Trolley for HV part
- Hinged stand for 19" devices, height 5 RU (222 mm)
- EM 260 automatic discharge unit; 90 kJ
- Transport case for operating and HV unit
Dimensions (W x H x D) approx. 1,350 x 2,220 x 1,350 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; 3.0 kVA
- Resistance rod for AC voltage operation
- Rectifier rod

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