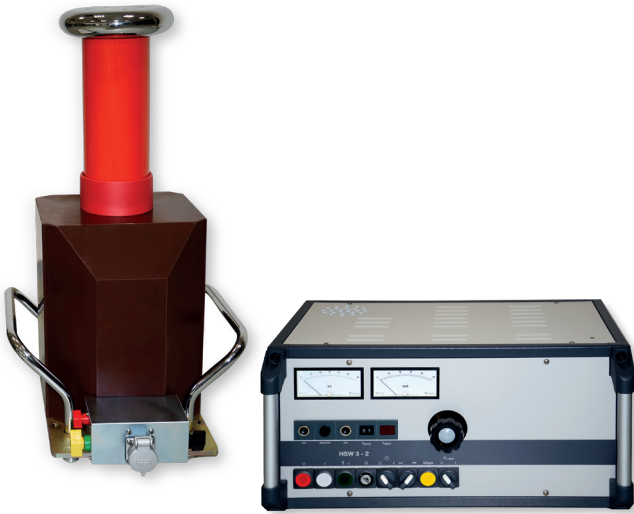


## High-voltage test system HPG 50-H - 110-H Compact and powerful AC test systems



- Compact, maintenance free, cast-resin high-voltage transformers
- Separate control and HV units
- Continuously adjustable voltage
- A powerful system: continuous operation at 1.2 kVA; 60 min. short operation at up to 3 kVA
- DC testing via a rectifier

### DESCRIPTION

The AC voltage test sets HPG 50, 80 and 110-H are suitable for 50 / 60 Hz AC testing of low capacity test objects. Optionally, these units can also be upgraded to function as DC test sets by mounting the rectifier attachment on top of the transformer.

### Typical application areas:

- Testing switchgears
- Testing voltage and current transformers
- Testing MV plants/components
- DC cable testing

The two piece design allows the operator to use the unit at a safe distance. The control unit is used to operate the high voltage transformer. The unit consists of a variac, current/ voltage display instruments, a timer for the test duration and a safety circuit. The low voltage winding can be continuously excited from zero to the maximum value so that a certain output is available for a pre-determined period. The operating duration depends on the application, ranging from a few minutes to continuous operation.

### All HPG test systems at a glance:

- HPG 50-H, testing up to 35 kVRMS / DC-testing up to 50 kV
- HPG 80-H, AC testing up to 58 kVRMS / DC-testing up to 80 kV
- HPG 110-H, AC testing up to 78 kVRMS / DC-testing up to 110 kV

### All HPG test systems at a glance:

- Continuous testing with AC voltages up to 1.5 kVA
- Separate control and HV-unit
- In-built over-current protection
- DC-testing via rectifier attachment

# High-voltage test system HPG 50-H - 110-H

## Compact and powerful AC test systems

### TECHNICAL DATA\*

	HPG 50-H	HPG 80-H	HPG 110-H
<b>Power consumption <math>P_N</math></b>	1.2 kVA	1.2 kVA	1.5 kVA
<b>Power consumption short-time <math>P_k</math> (1h)</b>	3 kVA	2.5 kVA	3.5 kVA
<b>Input voltage</b>	230 V / 50 ... 60 Hz	230 V / 50 ... 60 Hz	230 V / 50 ... 60 Hz
<b>Output voltage</b>	0 ... 35 kV <sub>rms</sub> AC 0 ... 50 kV DC	0 ... 58 kV <sub>rms</sub> AC 0 ... 80 kV DC	0 ... 78 kV <sub>rms</sub> AC 0 ... 110 kV DC
<b>Measuring range</b>	0 ... 40 kV AC 0 ... 60 kV DC	0 ... 60 kV AC 0 ... 80 kV DC	0 ... 80 kV AC 0 ... 110 kV AC
<b>Precision</b>	1.5 %	1.5 %	1.5 %
<b>Ausgangsstrom</b>	0 ... 15mA 50 mA (1 hour)	0 ... 15mA 50 mA (1 hour)	0 ... 15mA 50 mA (1 hour)
<b>Measuring range</b>	0 ... 500 $\mu$ A/ 0 ... 50 mA	0 ... 500 $\mu$ A/ 0 ... 50 mA	0 ... 500 $\mu$ A/ 0 ... 50 mA
<b>Control unit HSW 3-2</b>			
<b>Weight</b>	26 kg / 57.3 lbs.	26 kg / 57.3 lbs.	26 kg / 57.3 lbs.
<b>Dimensions (W x H x D)</b>	520 x 255 x 320 mm 20.5 in. x 10.0 in. x 12.9 in.	520 x 255 x 320 mm 20.5 in. x 10.0 in. x 12.9 in.	520 x 255 x 320 mm 20.5 in. x 10.0 in. x 12.9 in.
<b>Transformer</b>			
<b>Weight</b>	48 kg / 105.8 lbs.	76 kg ./ 167.6 lbs.	95 kg / 209.4 lbs.
<b>Dimensions (W x H x D)</b>	440 x 320 x 420 mm 17.3 in. x 12.6 in. x 16.5 in.	440 x 440 x 440 mm 17.3 in. x 17.3 in. x 17.3 in.	310 x 720 x 310 mm 12.2 in. x 28.3 in. x 12.2 in.

### ORDERING INFORMATION

Product	Order no.
<b>HPG 50-H</b> Control unit (HSW 3-2), HV-transformer 78 kV <sub>rms</sub> , set of cables, rectifier attachment, discharge and earthing rod 50 kV	<b>81 3220</b>
<b>HPG 80-H</b> Control unit (HSW 3-2), HV-transformer 58 kV <sub>rms</sub> , set of cables, rectifier attachment, discharge and earthing rod 100 kV	<b>11 830 3086</b>
<b>HPG 110-H</b> Control unit (HSW 3-2), HV-transformer 78 kV <sub>rms</sub> , set of cables, rectifier attachment, discharge and earthing rod 150 kV	<b>100 4470</b>
<b>Options:</b>	
<b>HV-connection cable 3 m (unshielded)</b>	<b>200 5029</b>
<b>HV-connection cable 5 m (unshielded)</b>	<b>200 4993</b>
<b>HV-connection cable 10 m (unshielded)</b>	<b>200 5030</b>
<b>HV-connection cable 5 m (shielded)</b>	<b>81 000 3736</b>
<b>HV-connection cable 10 m (shielded)</b>	<b>82 002 3906</b>

\* We reserve the right to make technical changes.

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