



HPA 100 AC

HPA 130 DC

High Voltage Test System

Control instrument:

Control instruments HSG 10 - 1 are used for controlling the high voltage transformers of the type HTR 100.

They consist of a variac, test meters for measuring the current and high voltage, operational components for the high voltage spark gap, a timer for the test duration and safety circuit.

Transformer:

The low voltage winding is 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.

The test transformer is single pole insulated and is mounted in a insulated cylinder with top and bottom flanges. The insulation material is primarily oil impregnated paper.



Technical data:

Control Unit HSG 10 - 1

Output	5 kVA
Short term output (1h)	10 kVA
Primary voltage	220 V
Outgoing voltage	0 ... 250 V
kV-Measuring range (alternative)	50 / 100 / 150 kV
Dimensions	520 x 430 x 465 mm
Weight	75 kg

Transformer HTR 100

Rated voltage	100 kV AC
Continuous output	5 kVA
Short circuit output	10 kVA
Frequency	50 Hz or 60 Hz
Short circuit voltage	approx. 5 %
PD at rated voltage	> 1 pC
Weight	approx. 225 kg

Options

- HGL 130 rectifier for 130 kV DC testing