



Gas-filled stationary test installation UISG-560 is designed for conducting tests of electrical equipment insulation with short-term 50 Hz high voltage, including tests with measuring capacitance ( $C_x$ ) and loss-angle tangent ( $\text{tg } \delta_n$ ) and partial discharges (PD).

Distinctive features of UISG-560 installation are: fire- and explosion safety, ecological safety, relatively small overall dimensions and mass, minimum time and money expenditure for its maintenance and preparation for work, possibility to change easy the slope-angle of high-voltage unit adjusting it to the height of test-object.

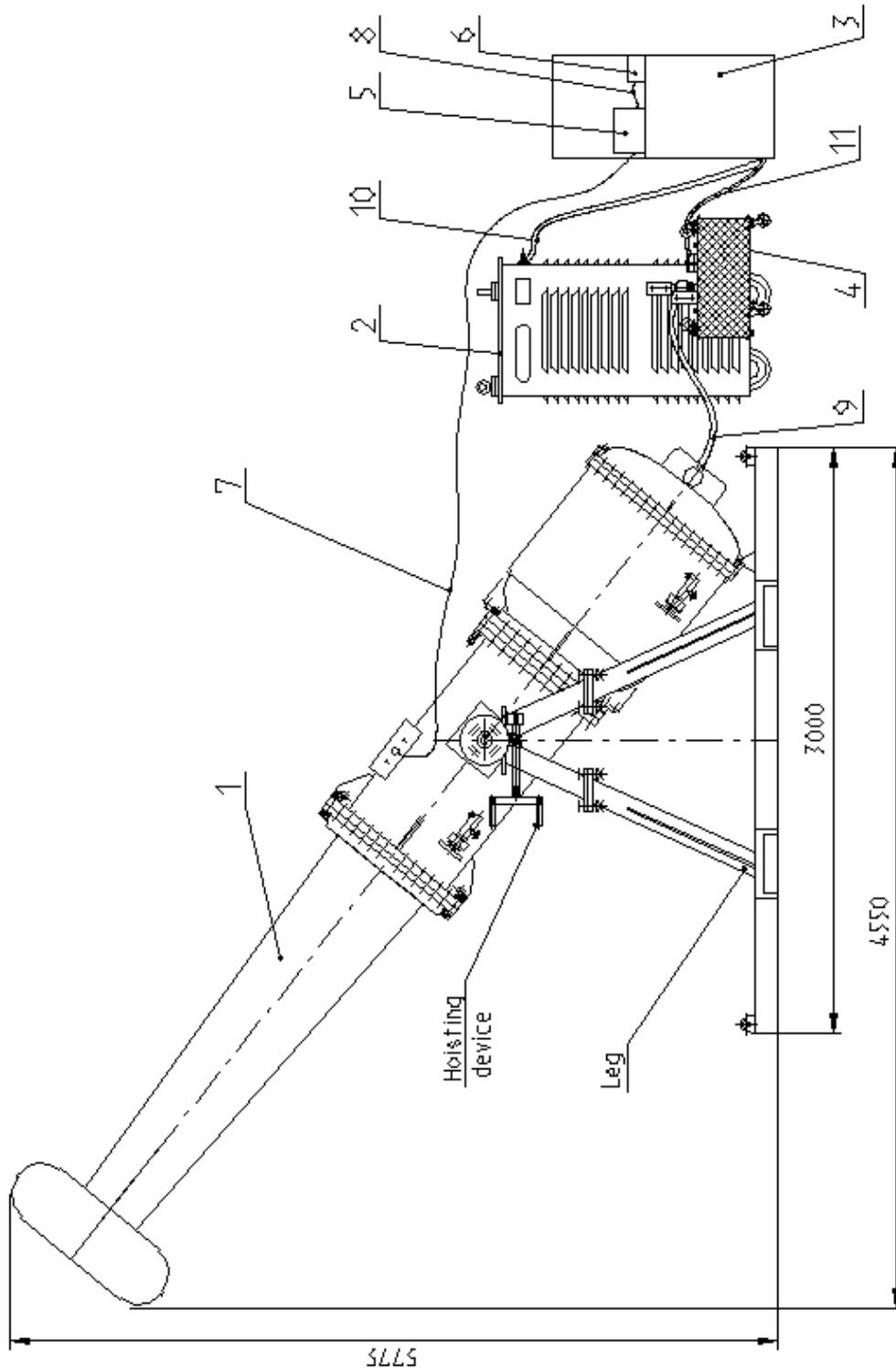
The appearance and structure of the installation is shown at the picture and Figure.

## Main parameters and characteristics of the installation

Name of parameter, characteristics	Value
1 Primary rated voltage at the product input, $U_{IR}$ , V	380
2 Range of operating secondary voltages at the product output, $U_2$ , kV	from 50 to 560
3 Rated frequency, f, Hz	50
4 Rated current at high voltage side, A	0.18
5 Steady-state SC current at high voltage side, A, min	0.5
6 SF <sub>6</sub> -gas operating pressure (excessive) at a temperature of 20 °C, (min/max) MPa	0,4/0,45
7 Accuracy classes of the voltage measuring system	3
8 PD intensity in HVU at voltage of up to 400 kV, pC, max	5

On agreement between the Manufacturer and the Customer the above parameters and characteristics can be changed.

# GAS-FILLED STATIONARY TEST INSTALLATION UISG-560



1 – high-voltage unit; 2 – regulating transformer; 3 – block panel; 4 – current-limit reactor; 5 – low-voltage unit; 6 – measurement cables; 7, 8 – voltmeter; 9, 10, 11 – power-cables.

**Figure – Test installation UISG-560.**



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