

High-voltage stationary rig SVS



High-voltage stationary rig is intended for the test of protective means insulation (insulation bar, rubber boots, gloves etc.) by the high DC and AC voltage of industrial frequency with the value up to 100 kV.

The rig is intended for indoor operation.

On the place of implementation there should not be any steam of aggressive liquids.

The maintenance of the rig is made by one operator authorized to work with circuits with voltage over 1000 V. The operator must have the 3rd or higher group of safety engineering for the work with electric equipment with voltage over 1000 V.

SVS is intended for usage at the working air temperature from 0°C to +40°C, at the relative humidity at the temperature of 25 °C up to 80%; and the atmospheric pressure 650 – 800 mm Hg.

SPECIFICATIONS:

| | |
|--|--------------------------------------|
| AC voltage of the single phase power supply, V | 220±20 |
| The quantity of the high AC voltage sources | 2 |
| The parameters of the testing bath: The quantity of the testing electrodes The size, mm The weight in dry state, kg | 4 800x280x630 not more than 10 |
| The kilovoltmeter parameters: The limits of measurement of AC voltage, kV The reduced relative measurement error, % | 0, 1, 3, 15, 100 not more than 3 |
| The parameters of alternating current measurement: The limits of measurement, mA The relative error measurement, % | 10 not more than 4 |
| The area occupied by the rig (recommended), m ² | 4 |
| Consuming power, kW | not more than 2 |
| The weight, kg | not more than 100 |
| Average life expectancy, years | 10 |

THE VOLTAGE SOURCE PARAMETERS:

| Parameter | Source type |
|----------------------------|-----------------|
| | BVI-50 (2 psc.) |
| Maximum output voltage, kV | 50 |
| Maximum output current, mA | 50 |
| Dimensions, mm | 350x315x625 |
| Weight, kg | 35 |