

Application

High voltage stationary installation systems SVS-50M and SVS-100M are designed for acceptance and maintenance testing of the electrical insulation properties of personal protection tools and accessories.

Installation systems allow for testing of the following:

- Rubber insulating gloves;
- Dielectric rubber boots and galoshes;
- Handheld tools with insulated handles (screwdrivers, nippers, pliers, etc).

- Voltage probes;
 - Dielectric rods.
- The installation systems' equipment can also be used as high voltage testers for testing insulation properties of cables, insulators, etc. with an AC current.

For specifications and functional features, please see page 27.



SVS-50M (SVS-100M*)



Application

High voltage stationary installation systems SVS-50C and SVS-100C are designed for acceptance and maintenance testing of the electrical insulation properties of personal protection tools and accessories.

The main advantage of SVS-50C and SVS-100C compared to SVS-M series is their full-automatic testing mode.

The testing bath has a built-in pump, which fills gloves or other objects under the test with water.

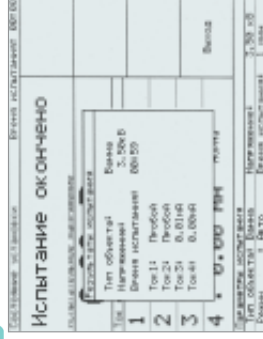
The tester automatically disconnects the test voltage from objects where a leakage current has exceeded a preset threshold. After the test is concluded the device displays a test report.

For technical data refer to a page 27.

After the gloves had been tested it is necessary to dry them up. We recommend using a special drying cabinet SHSP (see page 51).



SVS-100C (SVS-50C*)



* – SVS-100M includes one additional high voltage unit

* – SVS-50C has one high voltage unit as opposed to two in SVS-100C

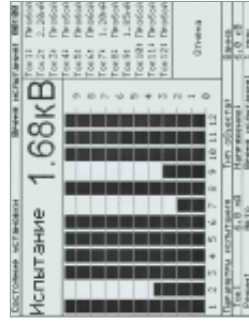
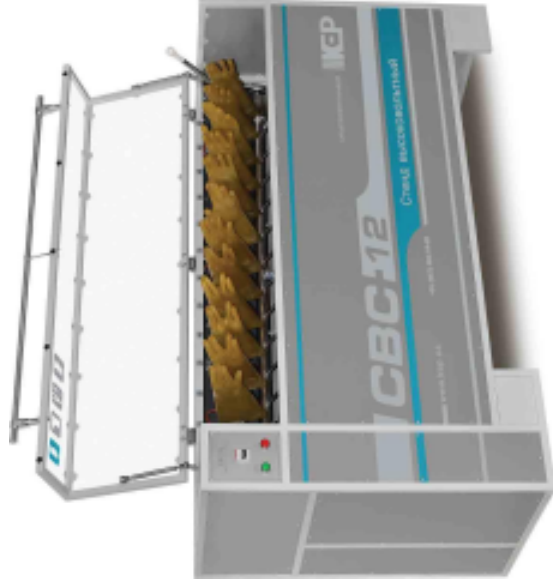
Application

High voltage stationary installation SVS-12M is designed for testing insulation properties of dielectric robber gloves with an AC voltage within a range from 0 to 10 kV. SVS-12M features the following:

- Automatic gloves rejection if the leakage current exceeds 9 mA;
- Automatic test voltage disconnection in case of an unauthorized test unit cover opening;
- Automatic glove filling with a preset volume of water before a test voltage application;
- Automatic time interval setting between filling gloves with water and high voltage application which is necessary for running down the water drops;

- Automatic duration setting of test voltage application with automatic disconnection of gloves where the leakage current is more than 9 mA;
 - Visual control for both a test voltage and a leakage current level in each glove circuit;
 - Main test stages indication and displaying a number of glove with the exceeded leakage current;
- The stand allows testing 12 gloves simultaneously. Technical specifications see on page 27.

After the gloves had been tested it is necessary to dry them up. We recommend using a special drying cabinet SHSP (see page 51).



Technical specifications

Parameter	Value			
	SVS-50M	SVS-100M	SVS-50C	SVS-12C
Output test AC voltage: ranges, kV	0.1; 3; 15; 50	0.1; 3; 15; 100	0.1; 3; 15; 50	0.1; 3; 15; 50; 100
High-voltage sources count	1	2	1	2
Testing bath type	stainless steel, manually controlled	stainless steel, manually controlled	plastic, automatically controlled	plastic, automatically controlled
Leakage current measuring channels count	4 + 1	4 + 1	4 + 1	4 + 1
Leakage current measuring range, mA	0.01 – 0.999	0.01 – 0.999	0.02 – 0.1	0.02 – 0.1
Output test AC voltage measuring range, kV	“3 kV” “10 kV” “15 kV” “50 kV” “100 kV”	0.3 – 3	1.0 – 3	1.0 – 3
Leakage current measuring range, mA	–	1.5 – 15	1.0 – 15	1 – 10
Accuracy, max	–	5 – 50	10 – 50	–
Power consumption, kVA, max	–	0.3 – 7.5; 0.3 – 10	3 % of full scale	0.3 – 9
Supply voltage, V	–	0.8	220 ± 22	1.5
Frequency, Hz	–	14	50 ± 1	–
Control unit net weight, kg, max	–	10	20	300
Testing bath net weight, kg, max	–	25	25	25
Measuring unit net weight, kg, max	–	–	27	27
Control unit dimensions, mm	390x320x200	390x320x200	316x187x132	–
Testing bath dimensions, mm	390x820x390	390x820x390	700x795x865	2015x876x1112
High-voltage unit dimensions, mm	–	–	390x370x330	–
Measuring unit dimensions, mm	–	–	330x500x380	–

Functional features

Features	50(100)M	50(100)C	12C
Automatic filling gloves with water	✗	✓	✓
Automatic testing voltage application/cutting off	✗	✓	✓
Breakdown voltage value holding after test is done	✗	✓	✓
Glove holders with a lever	✗	✓	✓
Less gloves than measuring channels count can be tested	✓	✓	✓
Testing bath with a drain pump	✗	✓	✓
Graphic display with indication of test mode/voltage applied/time	✗	✓	✓
Testing of Overshoes and high-voltage testers	✓	✓	✗