



# SCR ELEKTRONIKS

Leading Manufacturer of Industrial Electronic Products since 1975

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## HIGH VOLTAGE TESTER

High Voltage Test is important to ensure the satisfactory and safe performance of all electrical products. **SCR ELEKTRONIKS** have developed various High Voltage Testers for carrying out voltage breakdown test.

**PROGRAMMABLE HIGH VOLTAGE TESTER :** Programmable High Voltage Tester, Model : PHVT, is the unique High Voltage breakdown tester which incorporates all the desired features to carryout the H.V. test according to the procedure laid down in different standards. The operation is simple and automatic.

### A) AUTOMATIC MODE :

In Auto mode the object under test is connected to H.V. terminals and the desired voltage, the time period and permissible leakage current range are set with knob or switches provided on front panel. Push button is provided to start the test. The voltage gradually increases at a constant rate to set value, it remains constant for the set time period and decreases to zero after the set time. The voltage and leakage current are indicated on digital meters. In case of breakdown, the voltage will be instantly disconnected from the H.T. terminal. However, the voltmeter will continue to indicate the breakdown voltage.

### B) MANUAL MODE :

In Manual mode it works like a conventional H.V. Tester having a facility to increase / decrease the voltage uniformly by a motorised arrangement, simply, by pressing push buttons.



## MANUAL HIGH VOLTAGE TESTERS

**SCR ELEKTRONIKS** manufacture manually operated High Voltage Testers, series HVT, to facilitate users to test their products as per IS /BIS specifications. Different versions are available to select the Tester for particular applications as follows :

### H V Tester :

- 1) With Digital voltmeter, Current Trip Selection.
- 2) With Digital Voltmeter & Leakage Current Meter with Current Trip Selection.
- 3) With Digital Voltmeter, Current Trip Selection, Timer with OK/NOT OK Indication.

4) With Digital Voltmeter & Leakage Current meter with Current Trip Selection, Timer with OK / NOT OK Indication.

**H.V. Range :**

HVT Model	PHVT Model	Voltage	Current
HVT - 3-5	PHVT - 3-5	0 - 3 KV	50 mA Max.
HVT - 3-20	PHVT - 3-20	0 - 3 KV	200 mA Max.
HVT - 5-5	PHVT - 5-5	0 - 5 KV	50 mA Max.
HVT - 5-20	PHVT - 5-20	0 - 5 KV	200 mA Max.
HVT - 10	PHVT - 10	0 - 10 KV	100 mA Max.
HVT - 20	PHVT - 20	0 - 20 KV	100 mA Max.
HVT - 30	PHVT - 30	0 - 30 KV	50 mA Max.
HVT - 50	PHVT - 50	0 - 50 KV	50 mA Max.
HVT - 75	PHVT - 75	0 - 75 KV	50 mA Max.

**General Specification :**

- **Tripping Threshold** : 5mA to 150 mA in different ranges in 5 steps.
- **Time Setting** : 0 to 60 Seconds. (other ranges on request).
- **Supply** : 230 Volt A.C, 50 Hz, Single Phase.
- **Operation Selection** : Automatic / Manual (For PHVT).
- **Safety Factors** : a) Zero Interlocks  
b) Shrouded type push button for H.T. ON.  
c) H.V. Transformer heavy duty epoxy cast.
- **Indication** : a) High Voltage and Leakage Current on separate meters.  
b) Separate lamp Indication for H.T. ON and FAULT.

**NOTE :** H.V. Testers with DC. Voltages are also available for above voltage rating.

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