

## GENERAL

For High Voltage withstand, breakdown testing of electrical insulating systems.

For Dielectric Strength testing of electrical / electronic components, small appliances, tools, motors, machines etc.

## FEATURES

Compact & Simple to Operate

Zero Interlock for H.V. Output

Analog or Digital read outs

Adjustable, selectable leakage current.

Audio visual indication for presence of high voltage

Continuously variable test voltage

Highly sensitive electronics circuit for tripping

Available in AC, DC as well as AC & DC Combined

Outputs upto 100KV.

Available with built - in printer and or /RS 232 interface.

H.V. Test sets of other specifications as per requirement can be supplied.



## TECHNICAL SPECIFICATIONS

| Sr. No. | Model No. | O/P Voltage | Trip Current |
|---------|-----------|-------------|--------------|
| 1       | HV.1      | 0 To 5Kv    | 30mA         |
| 2       | HV.2      | 0 To 5Kv    | 100mA        |
| 3       | HV.3      | 0 To 10kv   | 30mA         |
| 4       | HV.4      | 0 To 10kv   | 100mA        |
| 5       | HV.5      | 0 To 20Kv   | 30mA         |
| 6       | HV.6      | 0 To 20Kv   | 100mA        |
| 7       | HV.7      | 0 TO 30Kv   | 20mA         |
| 8       | HV.8      | 0 TO 30Kv   | 100mA        |
| 9       | HV.9      | 0 To 50kv   | 20mA         |
| 10      | HV.10     | 0 To 50kv   | 50mA         |

| Sr. No. | Model No. | O/P Voltage | Trip Current |
|---------|-----------|-------------|--------------|
| 11      | HV.11     | 0 To 5Kv    | 100mA        |
| 12      | HV.12     | 0 To 60Kv   | 50mA         |
| 13      | HV.13     | 0 To 60kv   | 75mA         |
| 14      | HV.14     | 0 To 60kv   | 100mA        |
| 15      | HV.15     | 0 To 75Kv   | 50mA         |
| 16      | HV.16     | 0 To 75Kv   | 75mA         |
| 17      | HV.17     | 0 TO 75Kv   | 100mA        |
| 18      | HV.18     | 0 TO 100Kv  | 50mA         |
| 19      | HV.19     | 0 To 100Kv  | 75mA         |
| 20      | HV.20     | 0 To 100Kv  | 100mA        |

**\*\*Trip current can be settable by potentiometer for 10 % to 100 % of the current specified OR selectable in four ranges by a selector switch or can be set digitally**

## Automatic Version

Following parameters can be set by 4 keys

- A) Output Test Voltage
- B) Leakage / Trip Current Limit
- C) Test Duration (Time)

HV built in printer, with Computer interface & with both the feature are considered as

Automatic version HV test set. In Automatic HV Test Set both types like with AC output & with DC output instruments are available.

## Semi-Automatic Version

Following parameters can be set by push button.

- A) Output Test Voltage
- B) Leakage / Trip Current Limit
- C) Test Duration (Time)

Once above parameters set and the high voltage is started the instrument will automatically raise the voltage. On reaching of the test voltage, control circuit will start to command to timer. After completion of duration motor will come back. Object Test Pass / Fail Indication is given.

## FEATURES

Input Supply : 230V AC, Single Phase, 50 Hz

Metering : a) Digital Kv meter.

b) Digital mA Meter

c) Digital Timer

Transformer : a) Upto 5Kv- oven baked varnished type.

b) Upto 50Kv - Epoxy Resin Cast Type

Indications : a) H.T. ON

b) H.T. OFF

c) Mains ON

Enclosure : H.V. Test Sets are housed in powder coated sheet metal cabinets H. V. Probe :H.V. Test probe with 1.5 mtr. Cable will be supplied along with H.V. Testers upto 10Kv range with the instrument . HV cables for higher rating Testers can be supplied at additional cost

## Ordering Information

| OUTPUT         | Digital Meters with Digital Timer | Digital Meters with Printers & RS 232Interface | Semi-Automatic |
|----------------|-----------------------------------|--|----------------|
| AC             | HV# NX                            | HV# P RS                                       | HV# M NX       |
| DC             | HV# D NX                          | HV# D P RS                                     | HV# D M NX     |
| AC/DC Combined | HV# AD NX                         | HV# AD P RS                                    | HV# A D M NX   |

**\*\*Trip current can be settable by potentiometer for 10 % to 100 % of the current specified OR selectable in four ranges by a selector switch. or set digitally**

