

## HIGH VOLTAGE TEST SET (AC / DC)

There are many kinds of Insulating materials used in today's electrical applications and especially in High Voltage applications. This insulating material ensures insulation between high voltage terminals or coils and Earth. Insulating materials also provide insulation in between coils or HV terminals. These kind of insulating materials must have enough high voltage withstand capacity as per their relevant IS specifications. Degrading of insulation capacity causes a large damage. So their insulation in terms of electrical withstanding capacity must be tested periodically.

High Voltage Break down Test Set is useful for testing the high voltage withstanding capacity of an electrical installation. The appliance of the particular dielectric strength like electrical / electronic components, small appliances, tools, motors, is now specified as per IS standard specifications.

To make a quality product use Testing Instruments having higher accuracy and that will ensure you a best result for your valuable products. For more detail regarding high voltage test read our article "Why HV Test?" Let's lighting the features of HV test set made by Testing instruments.



## APPLICATION AREA

High Voltage Breakdown Test Sets are useful for testing withstand (flash-over) voltages of Products like: Electric Induction Motors, Power and Distribution Transformers, Pumps, Inductors, Reactors, Coils, Switchgear Products, Plastics, Rubbers, PCB's, Panel Builders, Super Enameled winding Wire Manufacturers, Electrical Cables of all types, Insulating Materials, Electrical and Electronics Components etc.

## FEATURES

- » Easy to operate.
- » Continuously variable Test Voltage by manual or motorized operation.
- » Analog or Digital meters for read out High Voltage and Leakage current.
- » HT ON Buzzer as audio indication of High Voltage is present.
- » HT ON and HT OFF visual indications for high Voltage is present.
- » Highly sensitive electronic circuit for automatic tripping facility.
- » Selectable Leakage current range from zero to maximum by front panel control.
- » High voltage safety probe with push button enable features provides operator's safety (Optional) up to 10KV instruments.
- » Zero interlock to provide operator's safety (Optional).
- » HV Transformer are two types, Oil Cooled type and Dry type Resin Cast any of them could be supplied as per demand.
- » Any range of HV test set with other features as per requirement can be supplied.



## STANDARD TECHNICAL SPECIFICATIONS

- » Input Supply: 230V  $\pm$  10 %, AC, 1 Phase, 415V  $\pm$  10 %, AC, 2 Phase or 3 Phase.
- » Metering: Analog or Digital KV meter as well mA Leakage Current Meter provided.
- » Transformer: Epoxy Resin Cast type as well oil immersed type as per capacity as well user requirement.
- » Indications: Audio and Visual HV ON-OFF indications, Mains ON.
- » Enclosure: Industrial Grade MS Enclosure with Powder Coating.

## ACCESSORIES

- » Mains Power cable.
- » User manual.
- » HV Test Probes (Optional).

## OTHER PRODUCTS

Testing Instruments supports manufacturers, repairers, agency owners and contractor in each Power Sector related industry with a breadth of critical services.

- » Primary Injection Test Set
- » Secondary Injection Test Set / Relay Test Set.
- » Oil BDV Test Set.
- » Transformer Turns Ratio Test Set.
- » Transformer Voltage Ratio Test Set.
- » Load Bank.
- » Transformer Routine Test Set.
- » 3 Pole Breaker Timer.
- » Winding Resistance Test Set.
- » Contact Resistance Test Set.
- » 1phase / 3phase Transformer / Motor testing panel. (Custom built).
- » All Kind of Transformers, Variacs (Auto Transformers) and Inductors.
- » Epoxy Resin cast high volt transformer. (1KV TO 100KV).
- » DC Power Supply.

Our expert Engineering team can effort your any kind of Queries.



**"TESTING INSTRUMENTS"**

**Add:** 7, Valam Nagar Soc., Nr. Kshama Soc., A.K.Road, Surat, Gujarat - 395008, INDIA

**E-mail:** info@testset.in / **Web:** www.testing-instruments.in

