



# A. S. Electro - Tech Kolkata

## A.C HIGH VOLTAGE BREAKDOWN TEST SET

### SCOPE

'A.S.ELECTRO-TECH' make popular B.D.V Test set is ideal for speedy and accurate testing of Breakdown / withstand test of different panel boards, armature coils, insulating materials and different Electrical & Electronic Components etc. The set is very popular for its portability.

### TECHNICAL FEATURES

<b>Input</b>	: 230V. $\pm 10\%$ , 1 PH. 50 Hz. A.C.
<b>Output</b>	: Continuously variable from 0 to 3 K.V. for 3 KV Test set and 0 to 5 K.V. for 5 K.V. Test set.
<b>Capacity</b>	: 50 mA Maximum in H.V. side
<b>Duty</b>	: Intermittent (i.e. 5 Minutes 'ON', 5 Minutes 'OFF')
<b>Cooling</b>	: Resin - Cast (Air- Cooled)
<b>Unit</b>	: 1 (One) Unit

### MODE OF OPERATION

The sets are generally Manual Operated.

### PROTECTION

- Fuse and Main Switch in the Input Side.
- One 'ON' and one 'OFF' push Button Switch along with the C.T. and contactor will be provided
- Automatic Tripping Mechanism for protecting the H.V. Transformer against overload. (This tripping circuit which senses the leakage Current to be higher than the set value trips the H.V. Circuit.
- One Zero start Interlock will be provided.

### METERING

- One KV Meter is provided in every set to measure the output Voltage.
- One Milli Ammeter is provided in every set to measure the leakage current of Test object.

### SPECIAL FEATURES

- One memory push is provided to measure the Breakdown Voltage even after the H.T Circuit is Tripped 'OFF'.
- Zero Start Interlocking will be provided to ensure that the H.V. Circuit can not be energised unless the regulating Transformer is at Zero position or brought back to Zero position

