



### **High Voltage**

**Control Desk** - The Control Desk facilitates control and operation of the basic High Voltage AC/DC test equipments. The control desk contains all the necessary components such as regulating transformer complete with primary and secondary contactors, with associated contactor control and over current tripping relays. An isolating transformer is also included.

**Single Phase High Voltage Test Transformer** - The high voltage test transformer is supplied complete with coupling for Cascade Connections to generate AC, DC and Impulse voltages

**Connecting Rod** - The connecting rod should be of a conductive aluminum tube to connect different test set components.

**Connecting Cap** - Aluminum cast conductive element suitable to construct the modular training set. There are four elements insert-able in horizontal position and two elements in vertical position.

**Floor Pedestal** - Suitable for aluminum cast conductive element for mounting up to four space bars horizontally and supporting one component vertically.

**High Voltage Silicon Rectifier** - The high voltage rectifier is oil-filled with EHV grade oil and is suitable for impulse capacitor.

**Earthing Switch** - The earthing switch automatically grounds the HV voltage test set when de-energized and indicate the subsequent status on the control desk.

**Spacer Tube** - Aluminum tube designed to be used for mechanical and electrical connections at the surface level to facilitate construction of a modular training set.

**Load Capacitor** - The load capacitor measures the impulse peak voltage and also functions as the load for impulse wave shaping. It is assembled inside FRP housing with requisite end fittings and insulated with high quality EHV grade transformer oil. This functions as a high voltage. The output from the divider can be taken from the UHF socket provided at the bottom and connected to the impulse voltmeter.

**Earthing Rod**  
**Measuring Resistor**  
**Wavefront Resistor**  
**Insulating Rod**  
**Electrical Drive (Sphere Gap)**  
**Measuring Capacitor**  
**Trigger Device**  
**Digital AC Peak Voltmeter**  
**Digital Impulse Voltmeter**  
**Corona Cage for AC & DC**  
**Oil Testing Cup for AC & DC**  
**Impulse Capacitor**  
**Safety Cage for Stage**  
**Installation & training on-site**

**Digital DC Voltmeter**  
**Charging Resistor**  
**Wavetail Resistor**  
**Sphere Gap**  
**Top Electrode**  
**Measuring & Control Equipment**  
**Electronics Trigger Sphere**  
**Measuring Spark Gap for AC, DC & Impulse**  
**Vessel for Vacuum & Pressure for AC, DC & Impulse**  
**Spacer Bar for AC,DC & Impulse -**  
**to be used for Vessel for Vacuum**  
**& Pressure for AC, DC & impulse**