



AC HIGH VOLTAGE TEST SETS



**HIGH CAPACITY
UPTO 3000 KVA**



**LOW CAPACITY
UPTO 200 KVA**



PLC BASED AC HIGH VOLTAGE

Description

“AC High Voltage tester are specially designed for testing cables, Generators, transformers and other high capacitive equipments as per National and International Standards. During manufacturing each unit is tested at multiple stages, thus ensuring consistency and best quality. These instruments are air cooled, oil cooled or air & oil cooled combined as per design. The units have been manufactured up to 800kV and up to 3000kVA. The units have type of tests such as dry withstand, wet withstand, breakdown voltage in air/oil, oil insulation, and pollution Test.

Special Features

- Light in weight
- Casted Wheel for easy movement
- Multiple safety locks for the operator
- Specially designed for field operation.
- Build in safety for operator.
- Supplied up to 800KV and 3000KVA.



CASCADED TEST SET



BREAKDOWN TEST SETS



PD FREE AC HIGH VOLTAGE

Technical Details

| | |
|-------------------------------|---|
| Input Voltage | 220/230 or 380/400V, 50/60HZ AC Supply |
| Output Voltage | Up to 800KV and 4A, Integration of reactor after 100KVA, Integration of series and parallel reactor after 1500KVA |
| Partial Discharge Unit | <p>These Units are specially designed for PD testing of samples. We provide PD level as below :</p> <p>(a) PD Level less than 2pC up to 300kV</p> <p>(b) Less than 10pC up to 600kV</p> |
| Capacity | Up to 3000kVA |
| Control | <p>Manual Control : The unit can be manual/motorized control for voltage variation and push button controlled for HT actuation</p> <p>Digitized Control : The unit can be complete with on board digitized panel with or without computer connectivity.</p> <p>PLC based : The unit can be PLC based complete with computer, HMI memory, printer etc. for operation.</p> |
| Protection | <p>Tripping : A fast acting DC relay will isolate the circuit when the current exceeds pre-set level</p> <p>Overload : This is used as a secondary protection in case the input loads exceeds the preset value</p> <p>Over voltage : This is used as a secondary protection in case the output voltage exceeds the preset value</p> |
| Interlocking | <p>Zero Start Interlock : The unit will have zero start interlocking to avoid the transients on HV transformer and provision for cage door interlocking shall also be provided.</p> <p>Earth Interlock : It ensures that HV will not actuate until good earthing is not provided</p> |
| Termination | The HT output on suitable HT insulator and other point at earth potential will be brought out on suitable insulator |

The above picture is only a representation of the equipment and the actual equipment may vary as per specification, design & requirement