

# BreakDown Voltage

## Principle

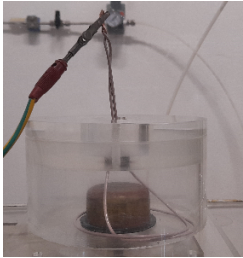
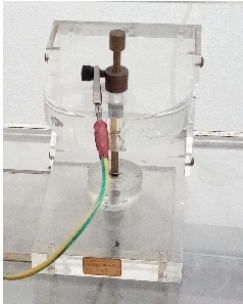
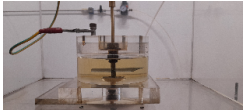
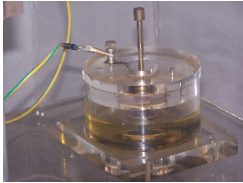
The sample is subjected to an increasing voltage (up to several tens of kV).

Samples are solid plates, thin films, fluids and greases.

## Capabilities

- Solid Electrical Insulation (ASTM D149/IEC 60243-1)
- Insulating liquids (ASTM D877)
- Wires Insulation (ASTM D3032/IEC 60851-5)

## Assets

|                                                                                     | Asset                                       | Details                                |
|-------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------------|
|    | <b>Hypotronic High Voltage Electrometer</b> | Supplies 50 Hz AC current up to 150 kV |
|    | <b>BreakDown Cables</b>                     | ASTM D3032                             |
|  | <b>BreakDown fluids</b>                     | ASTM D877                              |
|  | <b>BreakDown in air for plates</b>          | ASTM D149                              |
|  | <b>BreakDown in oil for plates</b>          | ASTM D149                              |
|  | <b>BreakDown in oil for plates</b>          |                                        |