



# SIVA INSTRUMENTS

## Oil Insulation Test Kit Model :OTS80M



## INTRODUCTION

The motorised (Automatic) Oil Insulation test Kit is intended to be used for testing of Dielectric strength of insulating oils used in transformers & circuit breakers.

The kit comprises of following:-

- A control unit with a HT-transformer operates on mains voltage of 220 Volts.
- A robust & sturdy motorised variac is provided to increase the voltage from 0 to 80 KV.
- Zero start facility is provided for safety.
- The HV chamber with interlocking to ensure operator safety.
- Digital volt meter for reading 0 to 80KV.
- Over voltage protection.
- Very fast tripping at dielectric breakdown.
- Automatic Motorised oil BDV with rate of rise of 0.5KV- 5KV / Sec
- Push button's for control.
- A testing transformer of 900 VA capacity for output 80 KV with 2 terminal bushings to support the testing cell with studs mounted on top of transformer.
- Oil testing cell has mushroom cell, dimensions & gap in accordance with IS specifications with a gauge to calibrate the gap.

# SPECIFICATIONS

**POWER SUPPLY** 220V AC, 50Hz, single phase.

**VOLTAGE Range:** 0 to 80 KV AC

**Indication :** 3 ½ Digital panel meter

**Resolution:** 1KV

**Accuracy :** ± 2% of nominal value

**CONTROLS** Separate switches for increase ,decrease  
HT ON & OFF , stirrer  
Safety interlock for HV chamber  
and open ground for operator safety.  
Protected against overloads & Short circuit

**FEATURES** Rate of rise of voltage 0.5 KV to 5KV per sec  
Compact, epoxy potted HV TF teflon bushing  
for resting oil cell.  
Separate push button controls with built in  
lamp indication. Special robust switch provided  
for HT ON.

**ACCESSORIES** Oil test vessels with lid.  
Mushroom electrodes fitted to test set.  
Users / instruction manual.

**DIMENSIONS** L=575x B=300x H= 410mm ± 10mm  
Optional:- 1) Timer facility provided for Stir Time.  
2 ) Facility to select Rate of Rise Voltage variable from 0.5  
to 5.0 KV/sec.

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