



SIVA INSTRUMENTS

Oil Insulation Test Kit

Model: OTS100M



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 100 KV.
- Zero start facility is provided for safety.
- The HV chamber with interlocking to ensure operator safety.
- Digital volt meter for reading 0 to 100 KV.
- 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 1000 VA capacity for output 100 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.



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SPECIFICATIONS

- POWER SUPPLY** : 230V AC, 50Hz, single phase.
- Voltage Range** : 0 to 100 KV AC
- Indication** : 3 . Digital panel meter
- Resolution** : 0.1KV
- Accuracy** : $\pm 2\% \pm 2$ digits
- 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.
Spare electrodes Spherical and Flat with Go-No Go gauge
1mm / 2mm / 2.5mm and 4mm provided
- DIMENSIONS** : L=700 x B=320 x H= 325mm \pm 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.

To keep pace with the latest technology Sivananda Electronics reserves the right to update it's system. Hence, information in the brochure is likely to change without notice.

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