



SIVA INSTRUMENTS

Oil Insulation Test Kit

Model :OTS100M



AN ISO 9001:2000 COMPANY



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.

SPECIFICATIONS

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

VOLTAGE Range: 0 to 100 KV AC

Indication : 3 ½ Digital panel meter

Resolution: 1KV

Accuracy : $\pm 1\% \pm 1kV$

CONTROLS : Separate switches for increase ,decrease
HT ON & OFF , stirror
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.
Seperate 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=710x B=330x H= 330mm \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.

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SIVANANDA ELECTRONICS

DEEPAK MAHAL, LAM ROAD, DEVLALI-422 401, NASHIK. MAHARASHTRA, INDIA.

Phone : 0253-2491423, 2491504, 2491816 E-mail : mkb@sivanandaelectronics.com Fax: 0253-2492291

MUMBAI :208, MIDAS, Sahar Plaza Complex, Andheri-Kurla Road, Andheri (E), MUMBAI-400 059,

PHONE:56430590 / 91 / 92, 28690990 FAX: 022-28389232.

NEW DELHI : G -145, KALKAJI, NEW DELHI -110 019. ☐☐PHONE : 6221582, 6434442

BANGALORE : 44/2, DICKENSON ROAD, BANGALORE - 560 042 ☐☐PHONE : 5585673

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