

Product Name :
Insulating Oil Tester Semi Automatic

Product Code :
NLAB-TESTINGLABM23004



Description :

Insulating Oil Tester Semi Automatic

Technical Specification :

Features:

Digital display of kV

Motorized rise of test voltage: 2kV per second as recommended

Set voltage facility

Automatic start-stop of stirring of oil for 60 seconds

Automatic start-stop and hold for withstand test for 60 seconds

Audio + Visual alarms at breakdown

Indicators for test status

Light weight: 30 kg 60kV set

Safety Features:

Zero start high voltage output

HV area interlocked

Protection: a) Does not start if Live, Neutral connected reversely.b) Does not start if GROUND is open

Audio visual alarms at breakdown

System Description:

The system is semi-automatic. Test voltage is set on the digital display and test is started. The test voltage ramps to the set voltage level at 2kV per second . In case insulation fails, the output test voltage is tripped and comes to zero. The stirrer starts to stir the oil for 60 seconds and stops automatically after 60 seconds. In case the insulation stands the set value, the test voltage remains for 60 seconds and automatically returns to zero. If during this period the insulation fails, the test voltage is tripped and output test voltage comes to zero.

Modes of tests:

Breakdown tests [BDV test]

Withstand test for 60 seconds

Specification:

Standard : Meets requirements

Input Voltage : 240 Volts, 50 Hz, single phase AC supply

Output Voltage : Continuously variable voltage

H.T. Source : Heavy duty epoxy resin cast, dry, maintenance free transformer with mid point ground

Voltage rise : a) Motorized at 2 kV per second ($\pm 20\%$)

kV Meter : Digital kV meter. Accuracy: $\pm 4\%$ as per IS 6792

Trip : Automatic cut-off in the event of oil breakdown

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