TRANSFORMER TEST PANEL / SETUP

APPLICATION

This is a common test panel for distribution/ power transformers of different specifications. The user can perform most of the factory tests, as per the relevant IS standard for the transformers. The panel consists of power analyser, meters for high voltage test, meters for induced voltage test etc, control for all the tests, protection and interlock circuits so that a single panel can be used to conduct a number of tests using only one dimmerstat and the associated devices.

FEATURES

- A single measurement and control center.
- Simple & Easy to use.
- All digital & accurate meters.
- Electrically interlocked for safe operation.
- Wide range of transformers can be tested.

TECHNICAL SPECIFICATIONS :

MODEL	DVDF MG SET	Three Phase Dimmerstat	Power Analyzer	High Voltage Transformer	Common Panel
TSP XXXXX	X	X	X	X	✓
TSP XXXXX A	X	X	✓	X	✓
TSP XXXXX MG	✓	X	X	X	✓
TSP XXXXX MG D HV	✓	✓	✓	✓	✓

Following Tests can be conducted :

1. Induced voltage test using DVDF motor generator setup, dimmer & common panel.
2. High voltage test using HV transformer, dimmer & common panel.
3. Open circuit and short circuit test using common panel, dimmerstat & intermediate transformer (if required & offered).
4. Magnetic balance tests using dimmer & common panel.

MOTOR GENERTOR SET FOR DVDF

Motor Generator set made from the used and rewound motors fitted on a common metallic frame and coupled together.

TECHNICAL SPECIFICATIONS :

Generating unit :

Input : 0 to 415 V three phase, 50 Hz through the dimmer unit.
Output : 50 to 900 V three phase, 100 Hz or 150 Hz as per customers specifications.
Capacity : Suitable to test the distribution transformers. Transformers KVA ratings shall be specified by the customer.
The input and output are terminated on the suitable terminals on the unit.
Make : KIRLOSKAR / CROMPTON / AEC / SIEMENS / NGEF (or any other equivalent).

DRIVING UNIT :

Input : 415 V three phase, 50 Hz through a starter.
RPM : 1440 or any other suitable speed.
The input supply terminals are terminated on the suitable terminals on the unit.
Make : KIRLOSKAR / CROMPTON / AEC / SIEMENS / NGEF (or any other equivalent).

VARIABLE 3 PH MOTORIZED AUTOTRANSFORMER (DIMMER-STAT)

TECHNICAL SPECIFICATIONS :

Cooling type : Air Cooled/ Oil Cooled Type.
Input : 415 V 3 phase, 50 Hz.
Output : 0 470 V 3 phase, 50 Hz, variable.
Operation : Motor driven for increase and decrease. The motor control push buttons will be in the common panel.
Current capacity : Selected depending upon the kVA rating of transformer under test.
Termination : Input, Signals, Motor wires & Output are terminated on insulated terminals with appropriate legend marking.
The dimmer-stat will have caster wheels to make it portable.
Housing : The dimmer-stat will be housed in powder coated sheet metal cabinet.

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