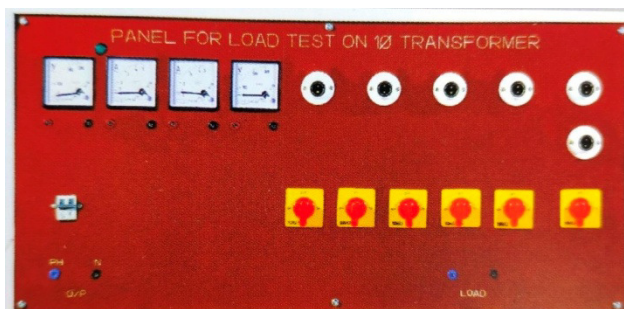
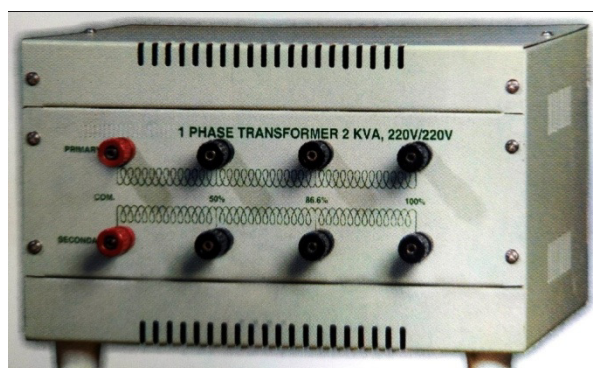


## IDENTIFICATION OF TERMINALS, DETERMINATION OF VOLTAGE REGULATION OF A SINGLE PHASE TRANSFORMER AND CONNECT THEM IN PARALLEL.

**Model : VTPL-505**



### MACHINE REQUIRED

#### **SINGLE PHASE, DOUBLE WOUND TRANSFORMER,**

The Transformers are made from laminated core of silicon steel. The coils are made of S.E. Copper of Proper gauge wound on bobbins, varnished & taped. All the terminal connections of Primary & Secondary are brought over to a Bakelite sheet for educational study for different connection combinations. The air Cooled Transformers are enclosed in M.S. perforated sheet box.

All accessories connected with internal wiring. Anti vibration mounts will be provided.

The Control panel shall consist of an Instrument panel with all digital meters shall highly accurate Micro - controller based with Diagrammatic representation for the ease of connections and student can easily understand the concept of machine and the control panel should be made of 40x40 Sq. mm aluminium conveyor section with all the accessories mounted on the bakelite sheet / M.S. Sheet with Vinyl Sticker as per the circuit diagram of the experiment with laminated wooden top on the working area. The basic frame work shall be made of 32 x 32 x 2 mm tubular mild steel. The MS sheet used should be min. 2 mm in thickness for sturdiness. The overall dimensions should be not less than W = 1200 mm ; D = 900 mm ; H = 1500 mm . A 25mm thick work top made from 25mm wood based plain particle board with one side post forming ( full round profile ) 0.8mm marino laminate and another side 0.6mm white balancing laminate. Remaining three sides of the work top should be lipped with 2mm PVC edge band. Leveling screws with base should be provided on the legs of the Work Bench.

## **VJAYANTA TECHNOLOGIES PVT. LTD.**

*(Formerly Vijai Electronics)*

Dr. Baldev Singh Marg 28/147 Civil Lines, Roorkee-247667 Distt. Haridwar, Uttarakhand

Phone No.: 01332 – 272509, 7579200827

E-Mail : vijayantatechologies@gmail.com, vijaielectronics1965@gmail.com

1. M.C.B.
2. Analog Ammeter (0-10A) MI type (2 Pc)
3. Analog Ammeter (0-20A) MI type (1 Pc)
4. Analog Voltmeter (0-300V) MI type (2 Pc)
5. 1 Phase Auto transformer air cooled type 0-270V
6. Fuses.
7. Educational type Terminals brought out on the panel for doing connection by students also.
8. Wattmeter UPF 10/20A, 75/150/300V

*Note: There may be any change in specification due to continuous R & D without notice.*

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