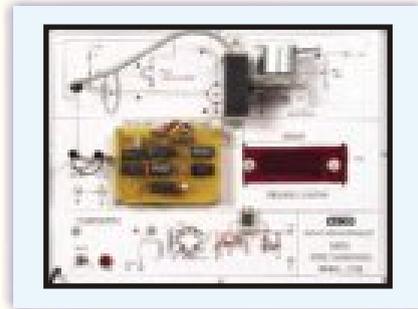




MEASUREMENT OF SPEED USING OPTO TRANSDUCER

MODEL-TR15

This trainer has been designed with a view to provide theoretical and experimental knowledge of Measurement of Speed using Opto Transducer on a SINGLE P.C.B.



FEATURES

- ❖ The complete circuit of Measurement of Speed using Opto Transducer is printed on single PCB.
- ❖ Study of characteristics of Opto Transducer.
- ❖ Complete Circuit is screen printed on the PCB.
- ✦ Typical ICs are provided on sockets to provide a facility to check similar other ICs.
- ❖ Explanation, Observation, Alignment and adjustment of Internal and External controls is possible at a glance due to single PCB.
- ❖ Easy identification of different parts of Opto Transducer at a glance.
- ❖ Easy measurement of Voltages and Observation of waveforms at any point. Also typical voltages and waveforms are provided.
- ❖ A manual having Practical details is provided with the trainer.
- ❖ The whole circuit of Measurement of Speed using Opto Transducer is explained section wise in detail in the manual.

SPECIFICATIONS

1. Power supply : 230V Ac, 50 Hz.
2. Transducer Type : Infrared LED and Photo transistor.
3. Motor : 12V DC motor with 3600 RMP speed and 0.3 Kg/Cm² torque.
4. Motor Mounting : Wheel of 20 teeth mounted on motor shaft.
5. Motor Speed controller : provided to change the speed of motor.
6. Measurement Range : 10000 RPM Max.
7. Output Display : 4 digits Digital frequency Counter calibrated in R.P.M.
8. All parts are soldered on TAGS on SINGLE PCB with complete circuit diagram SCREEN PRINTED.
9. Standard Accessories : 1. A Manual having practical
2. Patch Cords.

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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