

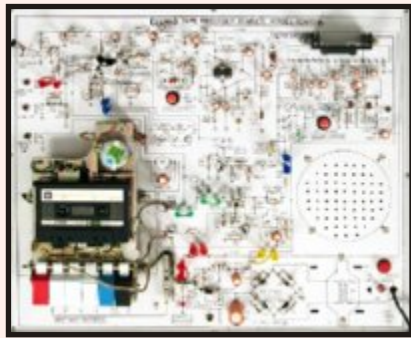


# TAPE RECORDER TRAINER

MODEL-TDM100

This trainer has been designed with a view to provide practical and experimental knowledge of a general circuit of IC based Tape Recorder on SINGLE P.C.B.

## FEATURES



- ❖ The complete circuit of a Tape recorder is printed on a single P.C.B.
- ❖ Fault creation facilities are provided by removing jumpers and by changing parts.
- ❖ About more than 10 faults can be demonstrated on this trainer.
- ❖ The main ICs are provided on sockets to provide a facility to check similar ICs and also to create the faults by inserting faulty ICs in the sockets.
- ❖ Explanation, Observation, Alignment and adjustment of Internal and external controls is possible due to single P.C.B.
- ❖ Easy identification of different parts and Mechanism at a glance.
- ❖ Easy measurement of voltages and observation of waveforms at any point. Also typical voltages and waveforms are provided.
- ❖ The whole circuit of the tape recorder is explained section wise in detail in the manual.

## SPECIFICATIONS

1. Power supply : 230V Ac, 50Hz.or 12VDC
2. Audio power output : 120 watts maximum.
3. Frequency response : 100 to 8000Hz.
4. Tape speed : 4.75cms/sec.
5. Speaker size : 4"/8 ohm.
6. Erase system : DC erase.
7. Recording bias : AC Bias.
8. Distortion : 5 to 10%
9. Automatic level control
10. Volume, Bass and Treble control.
11. Speech/Music and Monitor switches.
12. Built in condenser mike.
13. LEDs for recording, power and output indication,
14. Auto stop.
15. Sockets : (a) Auxiliary input for tape to tape recording  
(b) External mike socket for connection of dynamic mike.  
(c) Extra speaker connection socket.  
(d) Remote control socket for Motor stopping for recording with mike.
16. All parts are soldered on SINGLE PCB of size 18"x 15" with complete circuit diagram screen printed with fault creating facility to create more than 10 faults.
17. Standard Accessories : 1. A manual having 10 practical having more than 40pages.

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

**Sigma Trainers and Kits**  
E-113, Jai Ambe Nagar,  
Near Udgam School,  
Thaltej,  
**AHMEDABAD - 380054.**  
**INDIA.**

**Phone(O): +91-79-26852427/ 26850829**  
**Phone(F): +91-79-26767512/ 26767648**  
**Fax : +91-79-26840290/ 26840290**  
**Mobile : +91-9824001168**  
**Email : sales@sigmatrainers.com**  
**: sigmatrainers@sify.com**  
**Web : www.sigmatrainers.com**

**Dealer:-**