



# AUDIO CD PLAYER TRAINER

MODEL-ACD100

This trainer has been designed with a view to provide practical and experimental knowledge of a general circuit of Compact Disk (C.D.) player on SINGLE P.C.B. of size 18" x 15".

## FEATURES



- ❖ The complete circuit of a C.D. Player is printed on a single P.C.B.
- ❖ The parts are soldered on single pin tags for easy replacement.
- ❖ The digital signal processing section is in assembled open out PCB.
- ❖ 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.
- ❖ A manual having practical detail is provided with the trainer.
- ❖ The whole circuit of the C.D. Player is explained sectionwise in detail in the manual.

## SPECIFICATIONS

1. Power supply : 230v Ac, 50Hz.
2. Function switches : Play/pause, Forward, Rewind, Stop, Program elect/ Repeat, Skip forward, Skip reverse Open/Close, tracks select.
3. Display : Program, time and track status.
4. Laser : Semiconductor Laser (780nm)
5. Frequency Range : 5-20000 Hz.
6. TV System : PAL
7. Audio output : 100 W PMPO
8. Speakers : 8 Ohms/6" in separate wooden Boxes.
9. Modulation : EFM
10. Quantization : 16 bit Linear.
11. CD Format : Audio CD, MP3 CD, VCD 2.0/3.0.
12. Outputs Sockets : Audio Out, Video Out, RF Out (Channel 2).
13. Remote Controls : Play/pause, Forward, Rewind, Stop, Program Select/ Repeat, Skip forward, Skip reverse Open/Close, tracks select.
14. Sampling Frequency : 44.1 KHz.
15. Distortion : 5 to 10% for expanded P.C.B.
16. All parts are soldered on single pin TAGS on single PCB of size 14" x11" with complete circuit diagram Screen-printed in multi colour.
17. Standard Accessories :
  1. CDs : Video CD - 2 Nos.  
Audio CD - 1 No.  
MP3 CD - 1 No.
  2. A manual having practical details-1 No.

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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