SIGMA

## **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".



## **SPECIFICATIONS**

## 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.

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	mul	i 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.