



LED TV TRAINER

MODEL - LEDTV100

This trainer has been designed with a view to provide theoretical and practical knowledge of a general LED TV on SINGLE P.C.B.



FEATURES

1. The main circuit board is soldered on single PCB.
2. The students can visually observe the electronic circuits and mechanical parts easily.
3. The block diagram is printed on single PCB.
4. Fault creation facilities are provided by switches.
5. Explanation, Observation, Alignment and adjustment of internal and External controls is possible at a glance due to single PCB.
6. Easy identification of different parts of LED TV at a glance.
7. Easy measurement of Voltages and observation of waveforms at any point. Also typical voltages and waveforms are provided.
8. A manual having practical is provided with this trainer.
9. The whole circuit of LED TV is explained section wise in detail in the manual.

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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Dealer:-

SPECIFICATIONS

1. Display : 16" Diagonal Size ,Flat panel display / TFT active matrix
- Max Resolution : 1280 x 1024
- Aspect ratio : 4:3
2. Image
- Image Brightness : 300 cd/m²
- Image Contrast Ratio : 350:1
- Image Max H-View Angle : 160
- Image Max V-View Angle : 160
3. Interface
- Analog Video Input : RGB VGA (HD-15)
- Analog Video Input : S-Video
- Composite Video Input : RCA Yellow,
- Audio Input : RCA- Left (White), Right (Red)
- Antenna RF Input : RF - SDTV/ PAL
4. Application : Used as Monitor (PC), DTV, SDTV, AV Player, S- Video Player
5. Computer Monitor Driver : Windows 98, XP, 2000
6. Tuner Channels : 2 to 69
7. On Screen display : Volume, Brightness, Contrast, Color, Channel, Tuning.
8. Remote Control functions : On screen display of Volume, Brightness, Contrast, Channel
9. Audio Amplifier : 3 W PMPO
10. Faults : 5 No.
11. Power supply : 230V + 15% AC, 50 Hz, 60 watts.
12. Standard Accessories :
 1. Trainer PCB with LED display.
 2. Different input Cables
 3. A Manual having 10 practical

EXPERIMENTS

1. To Study Operating Panel of LED TV.
2. To Study the Connections
3. To Study Remote Section
4. Trouble shooting
5. To measure Test Point Voltages for different sections
6. To observe Test Point Waveforms for different sections
7. To demonstrate and understand of faults
8. To study complete schematic circuit Diagram