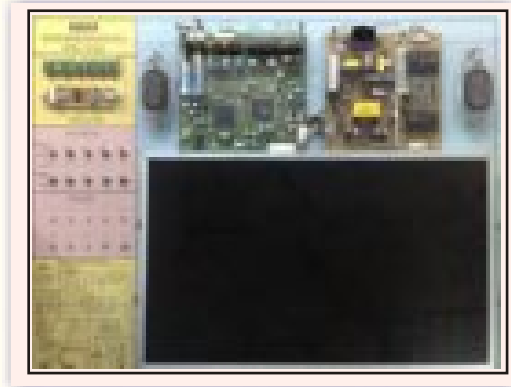




LCD TV TRAINER

MODEL - LCDTV100

This trainer has been designed with a view to provide theoretical and practical knowledge of a general LCD Digital TV (DTV) on SINGLE P.C.B.



SPECIFICATIONS

1. Display : 15" Diagonal Size , Flat panel display / TFT active matrix
Max Resolution : 1280 x 1024
Aspect ratio : 4:3
2. Image Brightness : 300 cd/m²
Image Contrast Ratio : 350:1
3. Interface
Video Input : RGB VGA (HD-15)
Audio Input : RCA
Antenna RF Input : RF - PAL
4. Tuner Channels : 2 to 69
6. On Screen display : Volume, Brightness, Contrast, Color, Channel, Tuning.
7. Remote Control functions : On screen display of Volume, Brightness, Contrast, Channel
8. Audio Amplifier : 3 W PMPO
9. Faults : 5 No.
10. PCB Size : 24"x20" in multicolor.
11. Power supply : 230V + 15% AC, 50 Hz, 60 watts.
12. Standard Accessories : 1. Trainer PCB with LCD display.
2. Different input Cables
3. A Manual having 10 practical

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Dealer:-

EXPERIMENTS

1. To Study Specifications of HDTV.
2. To Study the Block Diagram and working principle
3. To Study Input/output signals of different sections
4. To Study Complete circuit with different sections
5. To Study Remote Section
6. To understand/observe the function of external and Internal controls
7. To measure Test Point Voltages for different sections
8. To observe Test Point Waveforms for different sections
9. To measure Video and Audio gain (sensitivity) with Pattern Generator
10. To demonstrate and understand different types of faults
11. To study faults diagnosis method
12. To study ICs used in DTV
13. To study glossary of the Technical Words
14. To study complete schematic circuit Diagram