



# DIGITAL TELEVISION TRAINER

MODEL - DTV100

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 : 1024 x 768  
Aspect ratio : 4:3
2. Image Contrast Ratio : 10000:1
3. Interface  
Video Input : RGB VGA (HD-15)  
Digital Video Input : HDMI  
Audio Input : RCA  
Antenna RF Input : RF - PAL  
USB Input : USB
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. Faults : 6 Nos.
9. Test Points : 6 Nos.
10. Power supply : 230V + 15% AC, 50 Hz, 60 watts.
- 11. Books for Audio video Engineering : 20 Nos in pdf Format**
- 12. Mp4 Video Class for Audio video Engineering : 40 Classes in Mp4 on Pen Drive**
13. 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 Block diagram and Working principle of Digital (LCD) Television Receiver.
2. Introduction to basic theory of DTV Receiver
3. To understand installation and operating procedure
4. To understand Circuit details
5. To observe voltages and waveforms of different test points & Fault switches