Stereo Tape Recorder Demonstrator

Product Categories: Audio Visual Lab Demonstrators & Trainers, Audio Visual Lab Demonstrators & Trainers, Electronics, Engineering Equipment

Product Page:
https://www.labappara.com/product/stereo-tape-recorder-demonstrator/

Product Description

Stereo Tape Recorder Demonstrator

Features:

Compact design

Fault creation and diagnosis

42 Test Points

More than 15 faults can be demonstrated on this trainer

No soldering and de-soldering is required to simulate faults

The main IC's are provided on socket to provide a facility to check similar IC' and also to create the faults by inserting faulty IC's in the sockets

Test points detail with typical voltage and wave forms are provided in the manual

In built power supply

Two identical mono channels clubbed together to obtain stereo effect through stereo head Both internal and external recording facility available

Recording process understood through LED indicator present in equalization section

8P-2W R/P switch mechanism planed widely through 16 nos 1P-2W toggle switches
Separate bass/treble section to understand the effect of low frequency as well as high frequency signal
Technical Specifications:
Amplifier Type: Class B amplifier
Audio Power Output: 14 W (7 W × 2 channels)
Frequency Response: 100 Hz to 8 KHz
Tape Speed: 4.75 cm / sec
Erase Head: Fix magnet
RP Head: YBBT 62 (Stereo)
Mechanism: R X 39
Motor: CCW 12 V DC
Mechanism Control: Record, Play, Reverse, Forward, Stop, Pause
Recording Facility: Condenser Mic and EP socket for feeding external signal
PCB Size (mm): 260 × 230
No. of faults: 15
No. of Test point: 42
Power Supply: 220 V ±10 %, 50 Hz / 60 Hz on
request
Power Consumption: 8.17 W (approx.)

Circuit Block:

Pre amplifier CH-L & CH-R
Bass - Treble CH-L & CH-R
Output amplifier CH-L & CH-R
Equalization CH-L & CH-R
Output level indicator section
Power supply section

Panel Control:

Volume CH-L & CH-R
Bass CH-L & CH-R
Treble CH-L & CH-R