

COLOR TV TRAINER

Model Number : GOTT-TV-02



DESCRIPTION

The GOTT-TV-02 is an ideal piece of training equipment to teach the operation of color TV receivers, which allows the student to familiarize himself with the most advanced technological innovations. The tutor includes a fault generation module and a trainer for the I2 C Communications Bus.

The block diagrams of the GOTT-TV-02 intuitively show the different modules which make up the color TV receiver. Its large number of test points allows the analysis and monitoring of the electric signals in the different functional blocks of the receiver. It is safe to operate since all the test points are protected against possible accidental short-circuits. Using the fault module it is possible to simulate the most common faults which can occur in the receiver with thus establishing methods of diagnosis and tracing. The trainer moreover incorporates a microcontroller which makes it possible to carry out practices related to the operation of the I2C communications BUS. Special attention has been paid to its design, obtaining a small-sized functional piece of equipment. Moreover, in its rest position, it can be used as a domestic desktop TV.

FEATURES

COLOR TV RECEIVER

- Screen PAL B/G/I and SECAM B / G / L / L' systems.
- NICAM audio digital system (PAL G, PAL I, SECAM L)
- On Screen Display (OSD)
- Tuning by synthesis of manual voltage or auto store through search and automatic memorization
- Infrared remote control

BLOCK DIAGRAMS

- Power supply
- Microcontroller
- Sound
- Video
- System
- IF and demodulator

FAULT SIMULATOR

- | | | |
|-------------|----------------|---------|
| • Tuner | • IR Receiver | • Bt5V |
| • AGC | • Audio Amp | • At5V |
| • Video In | • Vertical Amp | • Bt8v |
| • Audio In | • H-Out | • Red |
| • Video Out | • EEPROM | • Green |
| • Audio Out | • Tuner 33V | • Blue |

GENERAL SPECIFICATION

• Operating Conditions	0 to 45°C, 85% or Less (R.H)
• Input power	AC240V, 50Hz 1-phase

Manuals:

- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

EXPERIMENT TOPICS :

- Test Point Measurement
- Troubleshooting the Tuner and Tuner Control Circuit
- Troubleshooting the Vertical Circuit
- Troubleshooting the RGB Amplifier Circuit
- Troubleshooting the CRT Circuit
- Troubleshooting the Sound Circuit
- Troubleshooting the E-EPROM Circuit
- Troubleshooting the Remote Control Circuit

General Terms:

- (1) Accessories will be provided where applicable.
- (2) Manuals & Training will be provided where applicable.
- (3) Designs & Specifications are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

Warranty:

2 Years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
21' FLAT SCREEN CRT COLOR TV	GOTT-FTV-02-21	536-114
29' FLAT SCREEN CRT COLOR TV	GOTT-FTV-02-29	536-115
34' FLAT SCREEN CRT COLOR TV	GOTT-FTV-02-34	536-116

* Proposed design only, subject to changes without any notice.