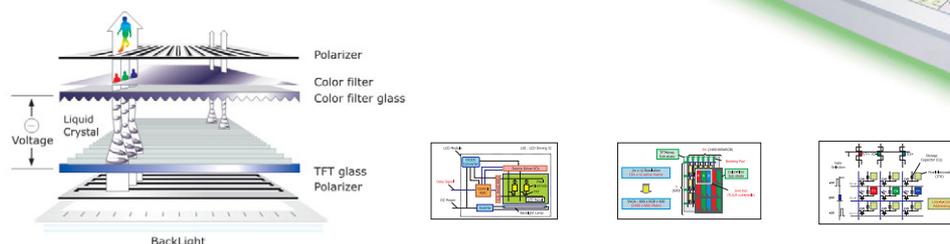


Flat Screen Digital Terrestrial TV Training System

The **ET-893** is a suitable equipment for the learning of the flat screen television sets operation equipped with TFT-LCD and Plasma technology that allows the student to become familiar with the more advanced technological innovations, likewise for the reception of Digital Terrestrial Television (DVB-T). The trainer includes a failures generation module.

The **ET-893** block diagram shows through an intuitive way the different stages that compounds the flat screen receiver.



With a wide number of test points, makes possible a thorough analysis and tracking of the electrical signals in the different blocks from the receiver. All the test points are protected against accidental short-circuits. By means of the failures module it is possible to simulate the more frequent failures than they can take place in the receiver in order that the student learns to carry out methods of diagnosis and trouble-shooting.

Special attention has been dedicated to develop a fully functional design with a small size.



TV TFT-LCD RECEIVER

- Screen size 20".
- 4:3 format.
- Resolution: 640x480 pixels.
- TV systems: PAL B/G/I/D/K and SECAM B/G/D/K/L/L'.
- Scart connector.
- Two A/V outputs: SVHS, L/R and Video.
- Audio Output: L/R Out.
- Earphone output.
- PC connexion: VGA connector and audio mini-jack connector.
- Audio analogue Zweiton system (PAL G).
- Audio digitalis system NICAM (PAL G).
- Teletext.
- On Screen Display (OSD).
- Remote Control by IR.

FAILURES SIMULATOR

A set of microswitches allows to cause a wide number of real failures on the TV receiver, in such a way that the teacher is able to evaluate the student's ability to diagnose and find the failure.

BLOCK DIAGRAM

The block diagram is made up of the following functional module:

- Power supply.
- DVB-T.
- IF and Demodulator.
- Video Processing.
- Audio Processing.
- System Control.
- Inputs/Outputs.
- Climbing circuit.

DOCUMENTATION INCLUDED (IN CD-ROM)

- Training Manual.
- Teacher's Manual.
- Exercises Manual.
- Technical Documentation and Circuits Description Manual.

ACCESSORIES

- Remote control.
- Batteries (Two R6 AA units).
- Scart connector cable.

(* Also available ET-892, without built-in Digital Terrestrial TV receiver (DVB-T).

Recommended equipment:

TV signal generators	GV-998, GV-898+, GV-798+, GV-698+
COFDM Modulators	MO-170, MO-163
Digital Oscilloscopes	OD-410, OD-460 / Series OD-57x, OD-59x
Field strength meters	TV Explorer, TV Explorer II / II+, PROLINK-3C/4C <i>Premium</i>