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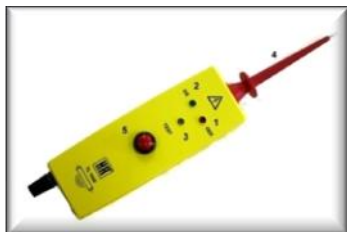


Fig. 1

TL1040

TESTER LAMPARAS CCFL
CCFL LAMP TESTER

MANUAL DEL USUARIO
USER'S GUIDE
BENUTZERHANDBUC
MANUEL DE L'UTILISATEUR



Fig.2



Fig. 3



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GENERAL INFORMATION

The CCFL lamp analyser for LCD TV provides a diagnosis of LCD television/monitor panel-mounted lamp operations without having to dismantle the part of the corresponding panel housing the lamps and without having to unplug the different connectors interacting between the inverter plate and the lamps.

Ensure the television is switched off before carrying out the test.

This gives a full, reliable analysis so that, if the instrument indicates the malfunctioning of one or several lamps, the panel can be dismantled and the lamp replaced with complete safety. Where the instrument indicates that the lamp works correctly, the fault is indicated as being on the inverter board.

This diagnosis provides a significant reduction in repair times, avoiding pointless dismantling.

The TL1040 is able to check lamps on LCD screens ranging from **10" to 42"** in size.

PACKAGING CONTENTS

TL1040 measuring instrument

100 ~ 240Vac / 12Vdc 1.6A 19.2W power adapter

Ground cable with connecting clip

User manual

SAFETY PRECAUTIONS

Symbols and warnings



Indicator of terminals with high voltage
Voltage value 2.5KVrms

PRECAUTIONS:

Make sure the LCD TV is disconnected from the mains before operating.

Do not connect the instrument to any external voltage that may cause damage.

Use the power cable supplied to ensure the correct working order.

Do not use the instrument in damp areas or with the rear cover removed.

Ensure the ground connection before measuring.

Do not connect the high voltage tip to any part of the panel other than the part directly connected to the lamps (see points A, B, C or D in Figure 3)

External power 12Vcd nominal 13Vdc max.

Test voltage 2.5KVrms

TEST PROCEDURE

To verify correctly, follow the steps described below:

Make sure the LCD TV is disconnected from the mains before operating.

Connect the 12Vdc terminal to the instrument inlet (6) in Figure 2.

Connect the external power cable to the mains.

Pilot light (3) and (1) Figure 1 will come on to indicate that the instrument is ready (standby).

Locate the inverter plate on the panel Figure (3)

Locate the connectors supplying the CCFL lamps Figure (3)

Connect the ground cable with clip to the panel frame. This is extremely important. Make sure that it is done correctly and that the clip cannot come off accidentally.

Place the tip (4) Figure 1 on the lamp connector point Figure (3), securing this connection so as not to apply high voltage to the incorrect point.

Press the button (5) Figure 1 and the pilot light (3) Figure 1 will switch off while the button is being pressed.

Check if after 1s (approx.)

Led (1) off + Led (2) On + Led (1) Off = lamp OK

Led (1) off + Led (2) Off + Led (1) On = lamp incorrect

Once the test is complete, stop pressing button (5) and the LEDs (3) and (4) will remain on to indicate that the instrument is on standby.

NOTAS/REMARKS/NOTES/KOMMENTARE



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