

Troubleshooting Systems

- Quality control testing of PCBAs and finished products
- Quick and effective product troubleshooting
- Reduction of unplanned downtimes, repair requirements and costs



PRODUCT DESCRIPTION

Controlar troubleshooting systems allow proper troubleshooting procedures to be performed on non-conforming PCBAs or defective products ensuring quality validation at the beginning or end of the production line.

These troubleshooting testers work as a powerful assistance tool, allowing the operator to perform a wide array of tests to find the problem and identify why non-conformances happen.

KEY FEATURES

Automatic generation, measurement, analysis, and comparison of signals

Functional test of digital and analog components

Fast and accurate identification of error sources

Signal conditioning and signal multiplexing up to the DMM performed through a TroubleBox.

PRODUCT CONFIGURATION

Controlar reference troubleshooting equipment is based on a vertical frame type structure containing a 19" rack and a wide horizontal ESD work area for placing the DUT to be diagnosed. An appropriate cable and connector are provided to energize and communicate with the DUT/diagnosis.

The rack usually includes:

- / power supply
- / DMM
- / industrial PC with power supply control software
- / CAN/FLEXRAY/XCP/DoIP/LIN communication cards
- / DAQ

MAIN APPLICATIONS

These testers are developed to meet the high standards of the automotive industry, which makes them also suitable for other industries, such as consumer and industrial electronics, with the possibility of being customized for different types of products.

TECH SPECS

Software

Software for HW equipment control and testing

Power

/ Voltage: 230VAC

/ Frequency: 50Hz

/ Current: 20A

Communication protocol

/ CAN

/ Flexray

/ XCP

/ DoIP

/ LIN

Measurement Equipment

/ DAQ

/ DMM

/ Oscilloscope



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