

## Features

- Universal function test system
- Modular design with 19" module rack
- 38 plug-in connections on 2 levels
- Interface for PA450 test adapter
- Compact desktop design

The Guardian Test System is a versatile test device. Typical applications include function testing of electronic assemblies and EOL testing of electronic devices. Due to its high level of versatility, the Guardian System is suitable for a range of cross-industry test tasks for production, quality assurance and incoming goods inspection.



Test system with PA450 adapter interface



Guardian with pneumatic PA450 test adapter

## Application

- Testing analog and digital assemblies (PCB tests)
- Connection, short-circuit and component testing
- End-of-line tests for devices
- Firmware programming
- Automation of manual tests
- Alternative to expensive high-end testers

### Standard components

Component	Function
PSU	Power supply
ADX	Multimeter
MSU	Measurement channels
RLM	Relay module
PIO	Digital I/O
PLD	Power switch
DAC	Digital-to-analog converter
WFG	Function generator
UMB	Controller board
CSM	LED measurement module
TRF	Transformer board
CIF	Interfaces
PicoScope	Software interface for USB oscilloscopes

The Guardian System is controlled by the Windows-based **test and development environment WinGuard**. The intuitive interface makes programming easy to learn and does not require any specific programming knowledge. The majority of parameters can be intuitively configured in dialog boxes. Experiences and requests collected from many users have been incorporated into the software package. More information can be found in the WinGuard manual. A trial version can be downloaded from our website.

In addition to our standard components, devices from other providers can be integrated via various hardware and software interfaces.

As a systems manufacturer, we offer a wide range of electronic test fixtures: from basic contactors to complex

test stations with test software and pneumatic test adapters - all from one provider.

## Specification

Supply voltage	230 VAC $\pm$ 5%, 50/60 Hz, max. 325 W
Tare weight	16 Kg
Dimensions	W520 x H300 x D440 mm
Operating temperature range	15 - 35 °C
Relative humidity	max. 80 %, non-condensing
Calibration	Factory calibration by the manufacturer
Adapter interface	268-pin interface for PA450 series test adapter 6 Harting 09060482905 multipole connectors
PC interfaces	RS-232 and USB2.0
Number of plug-in connections	38 on two levels with 3 HE for boards with 64-pin multipole connector DIN 41612 (100 x 160mm)
Fixed voltages may be used by the user	5V/6A, $\pm$ 12V/0,6A, 24V/2,5A



PA450 adapter interface