

Automated ESD Testing System: PinScan™



Electrostatic
Instrumentation



PinScan is the complete ESD testing solution. Operating in conjunction with the industry-acclaimed waveforms found in our PinPulse™ system, PinScan brings automation and analysis to ESD testing at a market-leading price point.

PinScan redefines testing efficiency, serving as a mechanically automated pin-to-pin testing apparatus and delivering ESD events to user-defined circuit points. PinScan can use its unique PinCheck™ curve analysis to monitor during the test for ESD-related anomalies, or pause between events to allow for functional testing.

The PinScan Test Manager software features easy script-driven test preparation. All test results are saved using a straightforward text format output data system. Results may be recalled on-screen or ported to reports, etc.

PinScan combines the advanced testing features you expect at a new level of economy.

Standards Satisfied

ANSI/ESDA/JEDEC JS-001-2017, MIL-STD-883-3, JEDEC 22-A115C, ESD SP5.2-2019

Applications

- Quality Assurance
- Process Validation
- R&D and Design
- Compatible package types: BGA, DIP, SOIC, and many more
- Relevant components:
Integrated Circuits, Diodes, LEDs, Optoelectronics, etc.

Key Features

- Automated testing significantly reduces hands-on testing time and errors.
- PinScan tests devices from 2 to 128 Pins.
- User-friendly test software facilitates setup, testing, and analysis.
- PinCheck™ analysis makes spotlights any ESD-related circuit change.
- All test results saved and available for recall or report creation.
- System supports 3 built-in ESD Models (HBM, HMM, MM)
- Flexible adapter board system enables

D00613 Rev C

Questions? Here's how to contact our experts

 700 West Park Ave, Perkasie, PA 18944

 833-ESD-GURU (833-373-4878)

 sales@ets2.com

 www.electrotechsystems.com

Specifications

Mechanical:

Construction: Metal enclosure, docks atop 9910 PinPulse.
Size: 17"W x 5"H x 12"D
Weight: 23 lbs.

Controls & Connections:

Power: 90-260 VAC, 50-60 Hz, via IEC connector on rear panel
ON/OFF: Rocker switch on front panel
Indicators: Red & Green LEDs on front panel indicate status.
Communications: USB connector on rear panel.

Interface:

Waveform connection: Cables supplied for all supported ESD models

- HBM Cable Pair, Red, Black, 6" (152mm)
- MM Cable Pair, Yellow, Green, 6" (152mm)
- HMM Cable Pair, Blue, Orange, 6" (152mm)

Device connection: DUT stage providing connection to 128 circuits. PinScan interface is dual 64-pin ZIF sockets, .100" pin spacing.

Included Adapter boards:

Accommodate many common devices:

- General purpose DIP & SIP device adapter board, 2 to 40 pins.
- General purpose 16-pin SOIC device adapter board

Custom Adapter Boards

Available to connect to any device. Examples: DIP & SIP specific packages, SOIC, Gull-wing, J-lead, BGA packages, Card-edge devices and assemblies, multi-connector assemblies.

Computer:

A laptop with Windows 10 and ETS PinScan Test Manager loaded is supplied with the system. The system uses folder C:\ETS\ as a destination for all scripts and test results.

Software: ETS PinScan Test Manager

- Communicates with PinScan hardware and 9910 PinPulse via USB,
- Allows creation and storage of scripts describing the test,
- Conducts the test per script,
- Collects results and saves reports,
- Retrieves previous tests for display,
- Performs curve-trace before and after each discharge,
- Analyzes the circuit using PinCheck™ to spotlight any ESD event,
- Provides convenient text-format data and screen shots for reports.

To ensure consistent and valid results annual calibration is required
Contact: service@ets2.com for assistance



Specifications subject to change without notice

