

### TECHNOLOGY

Our core R&D team has iNARTE certified ESD / EMC Engineers with in-depth knowledge and decades of experience. We also have long-term joint development with top academic research groups in the world.

### RELIABILITY

Our products are built with elaborate designs and quality parts. All products are tested under stringent reliability tests before being released.

### SUPPORT

Our excellent support team guides you from selections to applications and brings the best solutions to every customer.

### SERVICE

We offer anytime returns or trade-ins, fast repair during warranty period and lifetime technical support.

# Electrostatic Discharge Test Solutions

## ES613 Electrostatic Discharge (ESD) Simulator



### Standards:

- IEC61000-4-2
- ISO10605
- SAE J1113-13
- SAE J1455

### Applications:

- Electronics system for EMC testing
- IC and circuit ESD protection evaluation
- Equipment ESD susceptibility evaluation
- Measuring ESD protection performance of material and connectors

### Specifications:

- Contact and air discharge modes
- High voltage supply / calibration mode
- ESD source voltage to  $\pm 20\text{kV}$  /  $30\text{kV}$
- ESD pulse counter
- Discharge RC modules ( $\pm 10\%$ )  
150pF/330 $\Omega$ , 150pF/2k $\Omega$   
330pF/330 $\Omega$ , 330pF/2k $\Omega$

### Basic Setup:

- HV ESD main controller
- ESD gun with CD and AD tips
- Aluminum case
- Discharge RC modules
- Manual

### Features:

- Small and light ESD gun
- LCD display with touch screen
- Voltage stability  $\leq 0.5\%$
- AD, CD, and HV supply modes
- Secondary discharge detector
- Temperature and humidity monitor
- Remote control software
- Firmware upgrades through USB
- Pulse Modes: single, 1p/s, 2p/s, 5p/s, 10p/s, and 20p/s

### Optional Accessories:

- Faster rise time tip
- Internal long lasting battery
- Secondary ESD discharge detector
- Optical RS232 link
- A4001 ESD Target
- A4002 ESD Target Adapter Line
- A4010 ESD Test Table
- A4011 Vertical Coupling Plane
- A4012 Horizontal Coupling Plane
- A4013 Insulation Cover
- A4014 Bleeding Resistor Wire

### Operation Conditions:

- Temperature -10 to + 50 °C
- Humidity 20-80% RH
- Pressure 68-106 kPa

### Dimension / Weight:

- 35 x 28 x 15 cm  
(14 x 11 x 5.9 inch)
- 9 kg (20 lb)

### Supports:

- Lifetime technical support

### Service:

- 1 year warranty (extendable)
- Anytime return in warranty
- Trade in available for upgrade

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