

ES615 ESD Test Environment



1. Description

ESD compliance testing per IEC 61000-4-2 and ISO 10605 is often a requirement for equipment qualification. The ES615 ESD Test Environment matches the table-top test setup described in IEC 61000-4-2 and will therefore allow the user to perform ESD testing, as specified by many industry standards, in house.

The ES615 consists of a wooden table, a brite annealed stainless steel horizontal coupling plane (HCP), a brite annealed stainless steel vertical coupling plane (VCP), an aluminum ground reference plane (GRP), an insulating sheet, and ESD charge removal discharge wires from the coupling planes to the GRP.

2. Features

- Matches IEC 61000-4-2 table top ESD test setup description
- Table is treated wood, all wood construction
- Magnetic charge removal resistor wires for easy connection to reference planes

- Easy assembly and disassembly
- ESD gun holders available for easy direct and indirect ESD injection
- Customization of materials is available

3. Applications

- Direct or indirect ESD injection to EUT
- ESD compliance testing according to IEC 61000-4-2 and ISO 10605

4. Specifications

ES615 Specifications	
ESD Test Table Dimensions (L x W x H)	?? x ?? x 80 cm
ESD Test Table Material	??
ESD Test Table Weight	??
Vertical Coupling Plane Dimensions (L x W x thickness)	50 x 50 x 0.1 cm
Vertical Coupling Plane Material	Brite Annealed Stainless Steel
Vertical Coupling Plane Weight	??
Horizontal Coupling Plane Dimensions (L x W x thickness)	160 x 80 x 0.1 cm
Horizontal Coupling Plane Material	Brite Annealed Stainless Steel
Horizontal Coupling Plane Weight	??
Ground Reference Plane Dimensions (L x W x thickness)	180 x 90 x 1.6 cm
Ground Reference Plane Material	Aluminum**
Ground Reference Plane Weight	??
Insulation Cover Dimensions (L x W x thickness)	?? x ?? x 0.05 cm
Insulation Cover Material	??
Charge Removal Resistor Wire Resistance	940 kΩ
Charge Removal Resistor Wire Voltage Rating	??

** Held together with brite annealed stainless steel strips

** 470 kΩ at each end of the wire

5. Ordering Information

Line	Part # or Option #	Description
1	ES615-A1	ESD Test Table, all wood construction
2	ES615-A2	Vertical Coupling Plane
3	ES615-A3	Horizontal Coupling Plane
4	ES615-A4	ESD Test Table Insulation Cover
5	ES615-A5	ESD Charge Removal Resistor Wire
6	ES615-A6	ESD GRP – Ground Reference Plane

Customized materials available upon request