

Electrostatic Discharge Simulator ESS-B3011A/ESS-L1611A/GT-30RA

EN/IEC 61000-4-2 Ed2 & ISO 10605 Ed2 Compliant
 Cost-oriented Basic ESD simulator



ESS-B3011A>-30RA
 (Note: Discharge gun stand is an optional accessory.)

FEATURES

- EN/IEC 61000-4-2 Ed2 Compliant (B3011A/L1611A)
- ISO 10605 Ed2 Compliant (B3011A/L1611A) (Note: Optional gun head and CR units are required.)
- "3 pre-checking function" taking the confirmable test into the account (B3011A/L1611A)
- "Discharge detecting function" to realize the air-discharge confirmation (B3011A/L1611A)
- "Lightest Discharge Gun in the market "to lighten the continuous operation (GT-30RA)
- "White LED Irradiator" to facilitate the visualization of the discharging point (GT-30RA)

SPECIFICATIONS

ESD Simulator Main Unit Model : ESS-B3011A/L1611A

Items	ESS-B3011A specifications	ESS-L1611A specifications
Polarity	Positive or Negative	
Output voltage	0.2 to 30.0kV +/-5% (30.5kV maximum) 0.2 to 10kV: 0.05kV step 10.0 to 30.5kV: 0.10kV step	0.2 to 16.0kV +/-5% 0.2 to 10kV: 0.05kV step 10.0 to 16.0kV: 0.10kV step
Repetition cycle	0.05 to 99.9s (+/- 10%) /Manual 0.05 to 10.0s: 0.05s step 10.0 to 99.9s: 0.10s step	
No. of time of discharge	1 to 999 times /continuous	
Discharge mode	Contact discharge/ Air discharge	
Trigger mode	Gun trigger / Main unit trigger	
Operation panel	Indicator: 5x7 dot matrix LED Operation: Push-buttons (Partially lighting)	
Radiation mode select switch	Extra / Normal switching function built-in	

Discharge detection	Discharge detection function in air-discharge mode
Pre-checking function	High voltage output checking (by user operation. Not the calibration but just checking)
CR & Gun head checking	CR constant and gun head recognizable (with an indicator to prevent the wrong combination)
IEC level switching function	Contact discharge mode: 2.0, 4.0, 6.0, 8.0 kV step Air discharge mode: 2.0, 4.0, 8.0, 15.0 kV step
Warning lamp	Lights up while the HV circuitry is on. Blinks while discharges are in progress.
Charging capacitor and resistance	150pF+/-10%, 330 ohm +/-10% (built into Discharge Gun GT-30RA)
Main unit charging resistance	10M ohm (53Mohm for combination with Discharge Gun GT-30RA)
Power supply/ Power consumption	100 to 240V AC 50/60 Hz +/-10% 62VA
Included accessories	Instruction manual
Dimensions and weight	(W)270 X (H)263 X (D)200 mm (projection excluded) Approx. 4.6 kg

Discharge Gun Model : GT-30RA

Items	GT-30RA specifications
Output voltage	30.5kV Max
Polarity	Positive or Negative
Repetition cycle	0.05s and over Note) Guaranteed value is 0.1s and over (330pF and under)
Discharge mode	Contact or Air
Charging resistor	Built-in CR unit
Charge/Discharge capacitor & Discharge resistor	Built-in CR unit
High voltage connector	Composite connector of high voltage and signal line (male) (NoiseKen custom)
Operation switch	Discharge trigger
LED irradiator	White LED light built-in for irradiating EUT (Focusing point is the tip)
Included accessories	CR unit (150pf-330 ohm) 06-00073B Conical discharge tip 12-00007A Round discharge tip 12-00008A Instruction manual
Dimensions and weight	(W)83 X (H)217 X (D)229 mm (projection excluded) Approx. 0.8kg (Cable and connector excluded) Approx. 10.8kg (Cable included, connector excluded)