

**【New Product】** For users who perform ESD immunity test

**NoiseKen**

# NEW ESD Simulator [ESS-S3011 & GT-30R]

EN/IEC 61000-4-2 Ed2 & ISO 10605 Ed2 Compliant



“Attention!!”



“How light !!”

Take it, feel it.

★ **Marvelous weight !!**  
**(Only 800g)**

**Lightest discharge gun**  
**in the market.**

(excluding the cable & connector)

◎ Responds to the market need “The lighter gun desired”  
(according to answers to the questionnaire on year 2009 & 2010)

~ **SMART ESD simulator** which can **SUPPORT BEFORE TO AFTER** the test totally! ~

Before test ● “3 pre-checking function” taking the confirmable test into the account.

● “CR constant indicator” to make the correct unit attachment sure.

In test

● “Ten-key & Rotary knob” to ease the setting.

● “Infra-red Remote Controller” to realize the setting remotely from the generator  
(Standard attached).

● “Discharge Detecting Function” to realize the air-discharge confirmation.

● “Lightest Discharge Gun in the market” to lighten the continuous operation.

● “White LED Irradiator” to facilitate the visualization of the discharging points.

After test ● “Control Software” to enable the test result reporting and control with PC.

(Scheduled to be downloaded from NoiseKen web-site)



\* The specification and outside appearance may be changed without any preliminary announcement.

**【Model : ESS-S3011 Basic Specification】**

Parameter	Specification
Output voltage	0.2~30.5kV The set step is differed depending on the voltage range.
Repetition cycle	0.05~99.9s/manual The set step is differed depending on the voltage range.
No. of time of discharge	1~60,000 times preset 1 time step of continuous preset.
Polarity / Discharge mode	Positive or Negative / Contact or Air
Trigger mode	Gun trigger / Main trigger / External trigger*
Operation panel	Color LCD / Push-buttons (Partially lighting)
Gun holder	Standard attached (to hold the discharge gun Model GT-30R)
Radiation mode select switch	Extra / Normal switching function built-in
Discharge detection	Discharge detection function in air-discharge equipped.
Pre-checking function	Following 3 steps function equipped (by under operation. Not the calibration but just checking) SETP1 : High voltage output checking STEP2 : Withstanding voltage checking STEP3 : Discharge relay operation checking
CR & Gun head checking	CR constant and gun head recognizable (with an indicator to prevent the wrong combination)
Dimension	(W) approx. 270 X (H) approx. 312 X (D) approx. 295 mm (*Excluding the gun holder)
Mass	Approx. 6.5kg



Generator: ESS-S3011

**【Discharge gun Model : GT-30R Basic Specification】**

Parameter	Specification
Output voltage	30.5kV Max
Polarity	Positive or Negative
Repetition cycle	≥0.05s * Guaranteed value is ≥0.1s (≤330pF)
Discharge mode	Contact / 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)
Dimension	(W) approx. 83 X (H) approx. 217 X (D) approx. 229mm
Mass	Approx. 800g (Cable and connector excluded)



Discharge gun: GT-30R

**~ Cost-oriented Basic Models ~**

**【ESS-B3011(30kV output) or ESS-L1611(16kV output) & GT-30R】**

"Basic test satisfied, the lighter discharge gun desirable, though..."

The cost performance is important"

Basic model ESS-B3011 (30kV output) and ESS-L1611 (16kV) are also lined-up for the users.

(Please contact us for the details)



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