

## Electrostatic Discharge Simulator

## EDS 30T



### As per

- > IEC 61000-4-2
- > IEC/ EN 61000-6-2
- > IEC/EN 61000-6-1
- > IEC/EN 61326
- > IEC 61340-3-1
- > GB/T 17626.2
- > ISO 14304
- > Bellcore GR-1089-Core
- > ITU-T K.20

### Description

The ESD30T is a state of the art electrostatic discharge simulator available in 30kV. It is the most ergonomic ESD gun without an additional base control unit as per IEC/EN 61000-4-2. It integrates discharge tip with touch screen. Easy to operate by touch screen, ergonomic design, Power Supply can be AC or Battery box, R/C modules changeable, remote control software, built-in temperature and humidity meter, can ensure the reliability in all types of test sites.

### Features

- > Ergonomic design
- > LCD touch screen
- > All-in-one design (no base unit)
- > Changeable R/C networks
- > Automatic polarity switching
- > Battery or mains operation, long battery life
- > Temperature and humidity monitoring

### Industries

- |                 |              |
|-----------------|--------------|
| > Communication | > IT         |
| > Telecom       | > Military   |
| > Medical       | > Avionics   |
| > Broadcast     | > New energy |
| > Railway       |              |

Technical Data	
Contact discharge	200V – 30,000V (±5%)
Air discharge	200V – 30,000V (±5%)
Voltage step	100V
Hold time	> 5s
Polarity	Positive, negative
RC module	LCD display
Temperature and humidity	Built-in temperature and humidity meter with functions of record and protection
Repetition frequency	Single /0.1/0.2/0.5/1/2/5/10/20Hz
Trigger mode	Manual/automatic
Pulse	1-9999
Contact discharge	150pF/330 ohm
Summary procedure	Test according to different standard levels
Rise time	0.8ns +/- 25%
Quick start test program	Simple and easy to reset data online
Evaluate procedure	Contact discharge test at 20Hz, evaluate the test points of DUT
Standard Test Procedure	accord with EN/IEC61000-4-2

General data	
Weight	Approx 6kg
Temperature	15°C–35°C (operation condition)
Humidity	30%–60% (operation condition)
Air pressure	86kPa–106kPa
Working power supply	100V-240V (±10%) ; 50/60Hz (default AC 220V 50Hz for China Mainland)

Standard equipped	
Discharge gun	Discharge gun and control 1PCS
High voltage generator	Programmable high voltage source 1PCS
Standard RC modules	150pF/330 ohm (default), removable
Discharge tip	Air discharge tip, contact discharge tip
Grounding wire	2m
Package	Carrying case
Documents	Factory inspection report and user manual

Optional accessories	
DM1-RFCI	150pF/330 ohm
	Fast relay discharge module
	Rise time 200ps - 300ps
DM2	150pF/2000 ohm (ISO 10605)
DM5	330pF/2000 ohm(ISO 10605)
DM6	330pF/330 ohm(ISO 10605)
DM7	100pF/1500 ohm
DM8	150pF/150 ohm
DM9	500pF/500 ohm
DM10	500pF/5000 ohm
DMX	Customized discharge module
esd.control	Software for remote-control and report generation
	Fiber optic interface
Grounding HV resistance	2x470 kohm
Vertical coupling plane	500x500mm
Horizontal coupling plane	1600x800mm
Reference ground	2700x1800mm
Test table	1600x800x800mm, solid wood , meet IEC 61000-4-2 requirements
Battery box	8*2600mAh Ni-MH rechargeable batteries to replace AC source For contact discharge +30kV, 1 Hz, approx. 8h Size: 140mm*100mm*35mm, weight 0.5Kg
Battery charger	Used for charging
ESD calibration kits	Used for waveform calibration as per IEC/EN61000-4-2, including 2 ohm target /4GHz, attenuator, coaxial cable, user manual



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