

Hand-held Electrostatic Discharge Simulator

EDS 20H



As per

- > IEC 61000-4-2
- > IEC 61000-4-29
- > IEC 61326
- > IEC 61340-3-1
- > IEC/ EN 61000-6-2
- > IEC/EN 61000-6-1
- > IEC/EN 61326
- > GB/T 17626.2
- > ISO 14304
- > Bellcore GR-1089-Core
- > ITU-T K.20

Description

The EDS20H is a state of the art electrostatic discharge simulator available in 20KV. It is the most ergonomic ESD gun without an additional base control unit. It can be operated via battery or mains. Easy to use by touch screen, ergonomic design, R/C modules changeable, remote control software, built-in temperature and humidity meter, allows a trouble-free use 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
- Built-in standard test library
- Intelligent detection the failure of air discharge



Technical Data	
Contact discharge	1000V – 20,000V (±5%)
Air discharge	1000V – 20,000V (±5%)
Voltage step	100V
Hold time	>5s
Polarity	Positive, negative
RC module	LCD display
Humidity & Temperature	Internal hygromograph, record and protect
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
Evaluation 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 7kg
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 supply) 220V 50Hz for China Mainland)

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
Grounding resistance	HV 2 x 470 kohm
Vertical coupling plane	500x500mm
Horizontal coupling plane	1600x800mm
Reference ground	2700cm x 1800cm
Test table	1600x 800x800mm , solid wood, meet IEC 61000-4-2 requirement
Mains adapter	Replace the battery in continuous test
ESD Calibration set	To calibrate the waveform of IEC/EN61000-4-2, including 2 ohm target, 4GHz attenuator, coaxial cable and use manual.



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