

TECHNOLOGY

Our core R&D team consists of iNARTE certified ESD / EMC Engineers with in-depth knowledge and decades of experience. We also have a long-term, joint development relationship with top academic research groups in the world.

RELIABILITY

Our products are built with elaborate designs and quality parts. All products are tested under stringent reliability conditions before being released.

SUPPORT

Our excellent support team guides you from selection to application to create the best solution for every customer.

SERVICE

We offer anytime returns or trade-ins, fast repair during warranty period and lifetime technical support.

Electrostatic Discharge Test Solutions

EST806 Electrostatic Firing/Igniter/Spark Sensitivity Meter

Overview:

EST806 Series Electrostatic Firing/ Igniter /Spark Sensitivity test systems are designed for military electrostatic discharge test standards (MIL STD 1512, 1576 (Method 2205), 1751A, (Methods 1031, 1032 & 1033), 331C. It contains several test setups and configurations to determine personnel borne ESD (0 to ± 30 kV), helicopter borne ESD (0 to ± 300 kV), and test the ESD susceptibility of pyrotechnic devices, powders and liquids (0 to ± 50 kV).



Features:

- LED display, high resolution.
- Stable and accurate.
- Voltage output 0.01 to ± 30 kV
- Current output up to 1000 μ A.

Standards:

- MIL-STD-331C
- MIL-STD-1512
- MIL-STD-1576

Operation Conditions:

- Temperature -10 to + 40 °C
- Humidity 0 - 80% RH

Support:

- Lifetime Technical Support

Service:

- 1 Year Warranty (Extendable)

Optional Setup:

- ESD waveform calibration test load
1 \pm 5% ohm (ESD target)
- Power ESD Electrode Assembly
- Firing Test Chamber (Steel with exhaust port)
- Acrylic Door/Window
- Full Acrylic Test Chamber

Applications:

- ESD testing of electro-explosive devices (EED), fuzes, electric detonators, explosives, etc.
- ESD testing of powders, liquids and pyrotechnic devices

Specifications:

- High output DC voltage (0.01 to ± 30 kV, Standard test is 25kV).
- Drifting < 0.5% per 24 hours
- Drain voltage < 0.5% charging voltage when the high-pressure switch is on.
- Discharge resistance: 0 Ω , 500 $\pm 25\Omega$, 5000 $\pm 250\Omega$, customization available
- Discharge capacitor: 500 ± 25 pF
- Discharge Inductance < 5uH

Basic Setup:

- Instrument
- RC Network Modules
- Manual