



**Electro-tech system's 4406 is the industry standard for static decay analysis.** With more than 40 years of refinement, the 4406 is loaded with features making static decay analysis a seamless process. A material's decay rate is a crucial metric in static sensitive environments where materials must be able to quickly dissipate charge in a controlled manner. With such data, researchers can validate that their sample is suitable for a variety of environments meeting applicable DOD, NFPA, ESDA, INDA, EU standards. The 4406 provides this insight by charging the material to a defined voltage and proceeding to ground the material and monitoring the time it takes to decay to a defined cutoff level

### Standards Satisfied

MIL STANDARD 3015, METHOD 4046, NFPA 99, ANSI/ESD S541, CECC 00015, INDAIST 40.2

### Applications

- Electronic Packaging
- Clean Rooms
- Medical Equipment
- Plastic Formulation
- Military Testing
- R&D Materials
- Textile Applications
- Hazard Control
- Materials Engineering

### Key Features

- Automated testing provides ease of use, efficiency and eliminates human errors.
- System automatically evaluates materials prior to testing to ensure valid results.
- Fixturing and clamping flexibility allows analysis of various shapes, sizes and types of materials.
- Test data is stored in memory and can be easily downloaded.

**For accuracy and specification compliance, the model 4406 should be operated inside a controlled humidity environment, Please contact ETS for more information**

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electro-tech systems, inc.

## Static Decay Meter: Model 4406

### Specifications

#### CONTROL UNIT

**Charging Voltage:** Programmable  $\pm 600-5,250V$

**Decay Time Resolution (sec):**

3 digit display of decay time with finest resolution 0.001 seconds

**Cutoff Levels:** 1%, 10% & Adjustable

**Power:**

Voltage: 90-260VAC, 50/60Hz; 0.75 Amps max

Input: IEC Socket with 6' (2m) cable with NA plug (Std)

**Dimensions:**

Size: 16-3/4"W x 12"D x 4"H (42.5 x 30.5 x 10 cm)

Weight: 8.5 lbs. (4 kg)

#### FARADAY CAGE TEST FIXTURE

**Required Environment (humidity):**

50% RH or lower recommended (70% RH or higher will produce unreliable results).

**Electrostatic Sensor:**

Drift <1%/min (Relative Humidity must be <70% RH)

1ms response time @ 10-50% RH and 20 to 25-degree C

**Sample Holder:**

Magnetic: For Film, Fabric (included)

Clamp: For Non-flexible sheet (included)

Custom: For Shaped objects (available at extra cost)

**Dimensions:**

Size: 9-1/2"W x 11-1/2"D x 9-3/4"H (24 x 29 x 25 cm)

Weight: 9.5 lbs. (4.3 kg)

**Warranty:** One (1) Year – Parts & Labor

**To ensure consistent and valid results annual calibration is required**

**Contact:** [service@ets2.com](mailto:service@ets2.com) for assistance.



*Specifications subject to change without notice.*

