

# Industrial Static Controls Static Honestmeter H-0110

## Electric Charge Attenuation Measuring Instrument

The Static Honestmeter is an instrument designed to measure the attenuation of static electricity, and is ideal device for measuring the diffusibility of static in materials. This unit is used to charge the sample by irritating it with air ions generated by corona discharge, and after charge deposition, it can measure the static decay curve.

Since air ions are generated by the corona discharge method with AC, the sample under test can be charged with either positive or negative ions.



### Features:

- Available in 115v or 230v; and 50 or 60Hz ( Please specify which version require)
- If samples are in sheet form, materials such as film, boards, threads, fabric, carpet, and glass they can all measured using the Honestmeter H-0110 device.
- Charge both negative and positive ions on material as needed.
- Honestmeter's data can be monitored through an analyzing interface system direct to your PC.
- Downloadable user-friendly excel spreadsheet graphs and half-life calculations can be gathered and saved to the appropriate folder on your PC.
- Two operation modes; Auto mode or Manual mode
- HV adjustment switch on front console (applied voltage for corona discharge from 0 to 10KV)
- Safety cover to protect probes and turntable is optional
- Sample size for the turntable fixture on top of the honestmeter is a 2" x 2" sheet.

### Operation of the Device:

High voltage is applied to the sample until it reaches a faulty charged state or where charge leakage occurs. This is a point of equilibrium or saturation where the measurement cycle begins.

The length of time taken to reach saturation value --- 1/2 the initial potential is referred to as the half life cycle.



## HONEST DATA ANALYZING SYSTEM V2

The Honest Data Analyzing System V2 is an analysis and calculation device designed to automatically calculate the half-life of the voltage decay from the static decay curve obtained from the Honestmeter H-0110. The attenuation of materials can be measured by one-touch operation.



### Features:

- Change the rate of decay between 2 - 100 percent.
- The test date can be kept as file name in your PC.
- Temperature and humidity readings downloaded automatically in system.
- Flexible range of time axis and voltage axis.

Model	Honestmeter H-0110
Input Voltage	100VAC +/- 10% (50 or 60Hz) ** Please specify 50 or 60Hz when order**
Capacity	100VA
High Voltage	0-10 KV (applied voltage for corona discharge)
Operating Temperature	0°C to 40°C (32°F to 104°F) ambient
Charging Polarity	positive or negative ions can be generated
Dimensions	420mm(16.5") x 450mm(17.7") x 280mm(11.1") W x H x D
Mass (Weight)	33kg (72lbs, 12oz)
Assessories	Power Supply cord, signal cable; calibration jig and balancer; Hexagon wrenches(2)
Model	V2 Analyzing System
Input Voltage	100VAC +/- 10% (50 or 60Hz) ** Please specify 50 or 60Hz when order**
Assessories	PS cord and connection cable, USB cable, temp/humidity sensor, manual, stand
Dimensions	300mm(11.81") x 250mm(9.84") x 100mm(3.93") W x H x D
Mass (Weight)	1kg (2lbs, 3oz.)
Operating Systems	Windows Vista(32bit), Windows XP(32bit), Windows 7(32bit), 128MB memory required

