Enhanced
Model 360E

CoreStat® Self-Balanced Air Ionizing Blower

FEATURES

· CoreStat® Self-Balanced Technology
· Steady-State DC Ion Emission
· Class 0 & Versatile Application
· Ion Balance Alarm
· Output Monitoring for Balance and Failures
· Facility Monitoring System (FMS) Interface
· Auto-Cleaning Brush

BENEFITS

· No Calibration Required
· Ionizer Status Monitoring
· Small Size for In-Tool and Bench-Top
· No Transient Noise Free
· Audio & Visual Alarms
· Easy Cleaning and Replacement of Emitter Points

APPLICATIONS

Tribocharging is a typical ESD source and induced field from insulators must be controlled in EPA (ESD protected area). Process required insulators are commonly used in many places and should be neutralize by ionization systems.

CoreStat® self-balanced technology, Model 360E is designed as class 0 and versatile applications for semiconductor back-end, printed circuit board assembly and general electronics applications. Model 360E ionizing blower does not required regular based calibration and intrinsically maintains low offset voltage within a spec.

Facility Monitoring System (FMS) interface will give real time ionizer status monitoring. Visual (LED) and audible (buzzer) alarms operates when HV power fail and out of balance status. Built-in auto-cleaning brush will reduce significant maintenance resources.

Enhanced
Model 360E CoreStat® Self-Balanced Air Ionizing Blower

Specifications

Input Voltage	24 VDC, 4.8W Max
Ion Emission	Steady-state DC Technology
Ion Balance	< ±10 V
Discharge Time	±1000 V to ±100V less than 5 sec (30cm)
	±1000 V to ±100V less than 10 sec (60cm)
Air Flow	27 CFM
Alarm	Visual & Audio alarm operates when ionizer can not maintain balance limit and power failures.
Monitoring	FMS Interface
Operating Environment	Temperature: 15 - 35℃
	Humidity: 35 - 75 % RH
Material	Enclosure & Filter Cover: ABS plastic
	Bracket: Aluminum
Dimensions (mm)	80W x 110H x 64D (without bracket)
	105W x 120H x 64D (with bracket)
Weight	340g (with bracket)
Warranty	2 year limited warranty
Certification	C E RoHS

· Auto-Cleaning Brush
· LED Alarm for Balance & HV Power Failure
· Easy Access for Manual Cleaning
· Facility Monitoring System Interface

Status	Visual	Audio
Normal Operation	GREEN	Inactivate
HV Power Fail	RED	Continuous Sound
Balance Fail	RED	Beeping Sound

Related Products

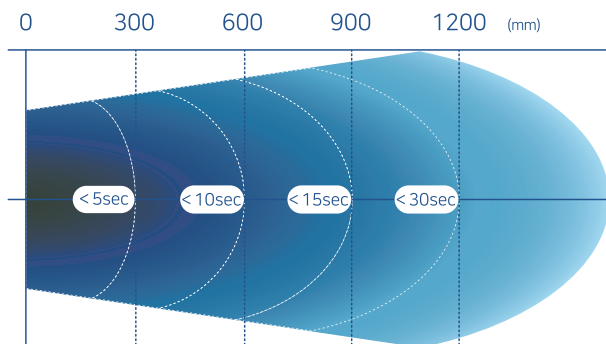|	
Model 5360EP	Tungsten (99.99%) Emitter
Model 5360GF	Rear Panel Filter Grille
Model 5360AC	Auto-Cleaning Brush
Model 5808	Integrated Monitoring & Controlling System (Up to 8 units)
Model 5820	Integrated Monitoring & Controlling System (Up to 20 units)

Facility Monitoring System Ouput Signals

Condition	Pin 2 / 4	Pin 6 / 8	Pin 7
Normal	Open	Open	Low
HV Power alarm	Closed	Closed	High
Balance alarm	Closed	Closed	Low
Port alarm (with Model 5820)	Open	Open	Low

Model 5808, 5820 Ionizer Monitoring System

· Balance & HV Failure Alarm
· Port Detection
· 24 VDC Distribution Up to 20 units
· All 20 Ionizers Auto-Cleaning at Once

Discharge Time

| 0 | 300 | 600 | 900 | 1200 | (mm) |

< 5sec < 10sec < 15sec < 30sec

Discharge time and balance measured according
to ANSI/ESD STM3.1 using a Charge Plate Monitor (CPM)

Size & Dimensions (mm)

105
80
110 / 120
83
64
57
62
69

CORE INSIGHT 코어인사이트(주)