Enhanced
Model 3830E
CoreStat® Overhead Ionizing Blower

FEATURES

· CoreStat® Self-Balanced Technology
· Steady-State DC Ion Emission
· Low Offset Voltage
· Output Monitoring for Balance and Failures
· Auto-Stop & Auto-Cleaning
· Three Step Fan Speed Adjustment
· IR Remote Control
· Daisy-Chained AC Power Distribution

BENEFITS

· Slim Design
· No Calibration Required
· Neutralize Entire Workstation
· Fast Discharge Time
· Easy Cleaning and Replacement of Emitter Points
· Audio & Visual Alarms

APPLICATIONS

Core Insight's innovative design CoreStat® Model 3830E Overhead Ionizing Blower provides wide area ionization coverage. CoreStat® Model 3830E is designed to be very reliable for long-term operation without cleaning or calibration for semiconductor, flat panel display, and general electronic assembly applications.

Model 3830E Overhead Ionizing Blower can discharge less than 1 second at 450mm distance. Model 3830E ionizer maintains intrinsic balance less than ±5V for ESDS items. Built-in auto-cleaning brush operates when the fan filter grille is open or power on/off. Audio and visual alarms operate when ion balance exceeded limit and power supply failure. Light weight and slim design allow more convenient installation when space is limited.

Enhanced
Model 3830E CoreStat® Overhead Ionizing Blower

Specifications

Input Voltage	100 – 240 VAC, 1A Max
Ion Emission	Steady–state DC Technology
Ion Balance	<±5V
Discharge Time	Less than 1 sec at 450 mm (high fan speed)
Air Flow	100 ~ 150 CFM, 3 step fan speed adjustment
Alarm	Visual & Audio alarm operates when ionizer can not maintain balance limit and for power failures
Monitoring	FMS 8 channel terminal
Operating Environment	Temperature: 15 – 35℃
	Humidity: 35 – 75% RH
Material	Enclosure & Filter: ABS plastic
	Emitter Points: Tungsten (replaceable)
	Bracket: ABS plastic
Dimensions (mm)	1000W x 118H x 180D
Weight	3.6 kg
Warranty	2 year limited warranty
Compatibility	
Certification	CE RoHS

LED Lights Option

Auto–Cleaning Brush and Grille Opening

Facility Monitoring System Output Signals

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

Condition	FMS 1~2	FMS 4~5	FMS 3~6
Normal	Open	4 ~ 5mA	Open
Alarm	Closed	17~20mA	Closed
Power Off	Closed	Open	Closed

Purchasing Options

Model 3830	No Cleaning Brush
Model 3830E	Built–in Auto–Cleaning Brush
Model 3830L	No Cleaning Brush, LED Lights
Model 3830EL	Built–in Auto–Cleaning Brush and LED Lights

Discharge Time

0
<1sec
450
<3sec
600
<5sec
900
<7sec
1200

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

Related Products

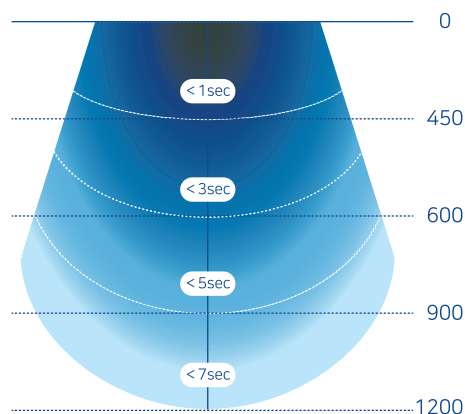| Model 5331R	Fan Speed Remote Control
Model 5380GF	Filter Grille
Model 5390AC	Auto–Cleaning Brush
Model 5820	Intergrated Monitoring & Controlling System for up to 20 units

Model 5808, 5820 Ionizer Monitoring System

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

Size & Dimensions (mm)

1000
180
25
5
155
70
120
165