

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 $\pm 5V$ 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.

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 45 cm (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°C 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
Certification	



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

Facility Monitoring System Output Signals

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

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 5820 Ionizer Monitoring System

- Balance & HV Failure Alarm
- Port Detection



LED Lights Option

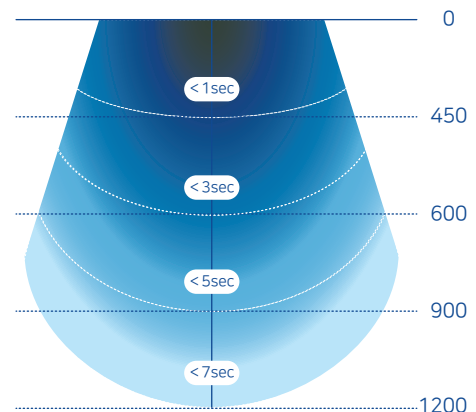


Auto-Cleaning Brush and Grille Opening

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



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

Size & Dimensions (mm)

