CORE INSIGHT
코어인사이트(주)

Model 2400

INNOVATIVE AirStat® Digital Ceiling Emitter Ionizer

* Model 5711R Remote Controller

* Model 6380 controller can connect up to 120 units

FEATURES

- Innovative Digital Technology
- Pulsed DC Ion Emission
- 4 Digit LED Display
- Audio & Visual LED Alarms
- IR Remote Controller
- Voltage Feedback Monitoring

BENEFITS

- Fast Discharge Time
- ON & OFF Time Operation
- Highly Reliable Quality
- Output Parameter Display
- Large Capacity
- Wide Coverage

APPLICATIONS

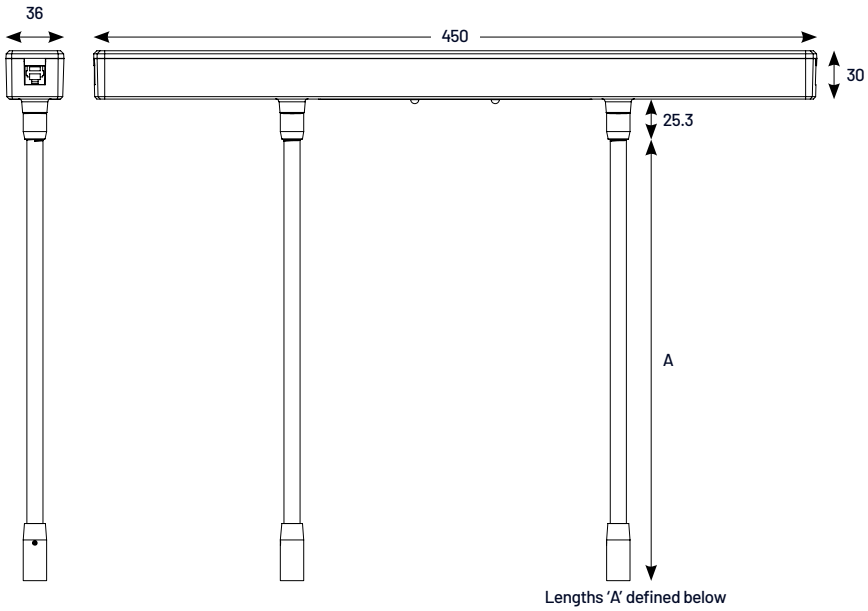
Core Insight's innovative AirStat® Digital control Model 2400 Ceiling Emitter Ionizer is designed to provide room ionization in the semiconductor wafer process, flat panel display, pharmaceutical and other clean environment applications. High ion output current results in fast discharge time. Digital control system enables accurate adjustment of power output and feedback monitoring capability.

Model 2400 Ceiling Emitter Ionizer is specially suited for open environments such as process bays, ballrooms or other large spaces. Users can accurately set up output parameters such as voltage, and operating time through a remote controller or Model 6300 series controller. With LED display and output audio alarms, users can identify failure status or cleaning cycle time precisely.

SPECIFICATIONS

Input Voltage	24 VAC, 1.4 W Max	**Alarm**	Visual & Audio alarm operates voltage feedback monitoring, cleaning cycle, power, sync and polling failures
Output Voltage	±12 kV DC, 100 V resolution adjustment	**Monitoring**	RS-485 terminal on Model 6300 series controller
Ion Emission	Pulsed DC Technology	**Operation Modes**	Pulsed DC, stand-by and individual ON/OFF control
Display	4 digit LED display	**Operating Environment**	Temperature: 15 - 35 °C, nominal Humidity: 20 - 60% RH, non-condensing
Control	Voltage, On time and Off time are adjusted by Model 5711R or Model 6300 series controller	**Material**	ABS plastic, Polycarbonate
Timing	ON Time: 0.1 - 15.0 sec / 0.1 sec resolution adjustment OFF Time: 0.1 - 10.0 sec / 0.1 sec resolution adjustment	**Dimensions**	450 W x 30 H x 36 D mm
Connectors	RJ-11 modular terminal	**Weight**	410g (without rods)
Emitter Points	Single Crystal Silicon or Titanium. All emitter points are replaceable	**Warranty**	2 year limited warranty
Cleanliness	Silicon Emitter compatible to ISO 14644-1 Class 1 Titanium Emitter compatible to ISO 14644-1 Class 3	**Compatibility**	ISO 14644-1 Class 1 Cleanroom Compatible
Emitter Rods	125, 300, 450, 600, 750 and 900 mm Custom length is available	**Certification**	CE RoHS UL LISTED

SIZE & DIMENSIONS (mm)

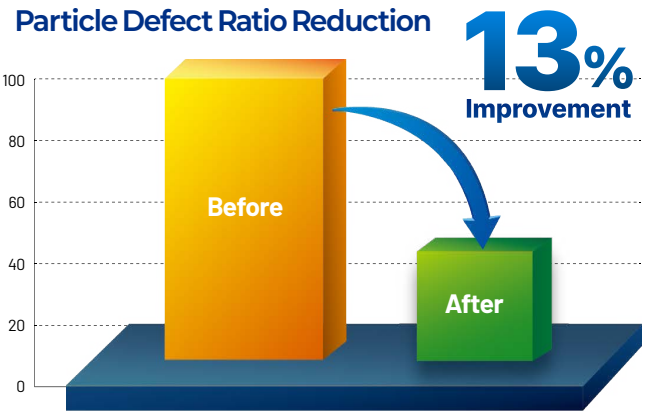


CONTROLLER Model 6300 Series

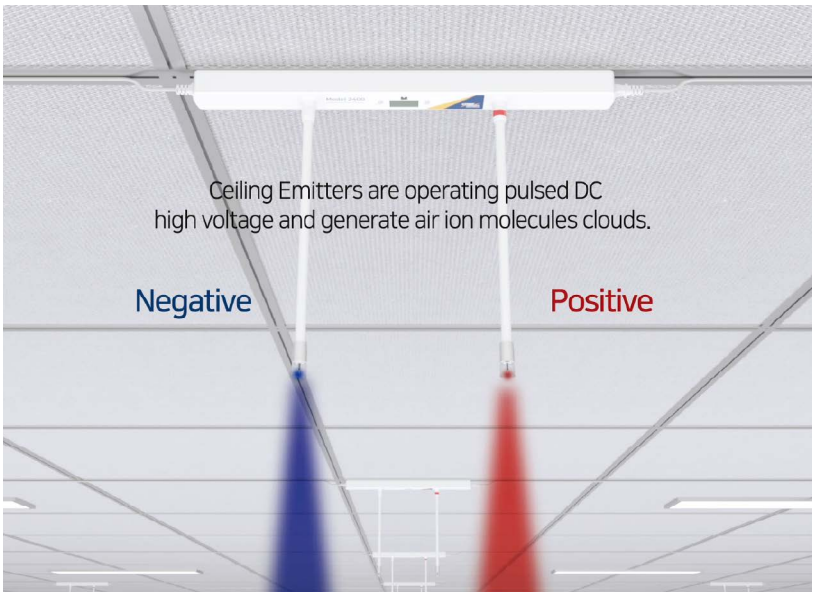
	Capacity	Dimensions	Weight
Model 6320	Up to 20 units	20W x 102H x 137D	3.7kg
Model 6340	Up to 40 units		
Model 6380	Up to 120 units	375W x 121.5H x 137D	6.8kg

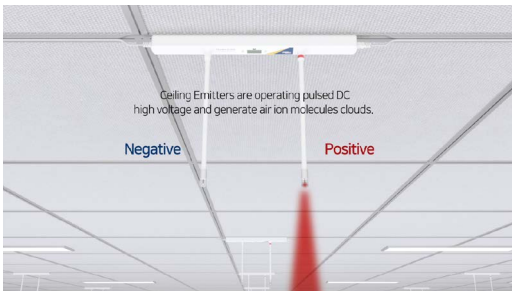
RELATED PRODUCTS

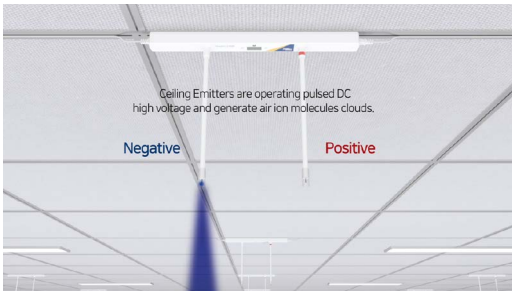
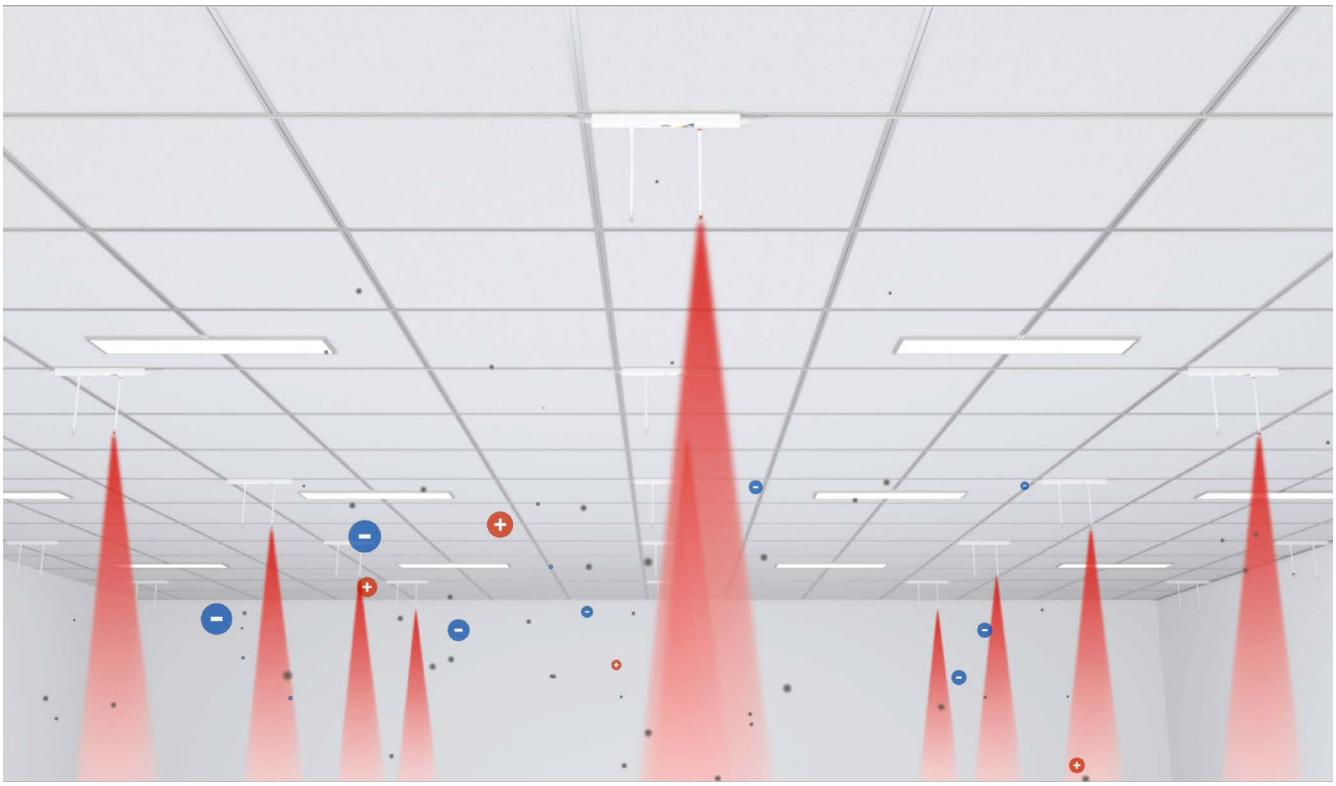
Model 5232ET	Titanium Emitter
Model 5233ES	Single Crystal Silicon Emitter
Model 5239J	Junction Box
Model 5711R	Remote Controller



Pulsed DC Ion Emission Technology







Room Ionization Operational Concept for Contamination Control