INNOVATIVE

Model 2400
AirStat™ Digital Ceiling Emitter Ionizer

FEATURES

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

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.

BENEFITS

- Fast Discharge Time
- ON & OFF Time Operation
- Highly Reliable Quality
- Output Parameter Display
- Large Capacity
**Model 2400 AirStat™ Digital Ceiling Emitter Ionizer**

### Specifications

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

### Size & Dimensions (mm)

Lengths ‘A’ defined below

### Rods Lengths (mm)

- 125: Model 2400-125-XX
- 300: Model 2400-300-XX
- 450: Model 2400-450-XX
- 600: Model 2400-600-XX
- 750: Model 2400-750-XX
- 900: Model 2400-900-XX

XX : user select emitter point materials

### Related Products

- **Model 5232ET**: Titanium emitter
- **Model 5233ES**: Single Crystal Silicon emitter
- **Model 5239J**: Junction Box
- **Model 5711R**: Remote Controller

### Model 6300 Series Controller Specifications

- **Input Voltage**: 100 - 240 VAC
- **Output Voltage**: 24 VAC
- **Output Signal**: RS-485 signal to facility monitoring or modbus
- **Capacity**: 20, 40 and 120 emitters
- **Display**: 3 digit LED for 6320 and 6340, 4 digit LED for 6380
- **Control**: Global and individual ON/OFF time adjustment
- **Alarm**: Visual & Audio alarm operates voltage feedback monitoring, cleaning cycle, power, sync and polling failures
- **Warranty**: 2 year limited warranty

#### Model 6320
- **Capacity**: Up to 20 units
- **Dimensions (mm)**: 240W x 102H x 137D
- **Weight**: 3.7kg

#### Model 6340
- **Capacity**: Up to 40 units
- **Dimensions (mm)**: 375W x 121.5H x 137D
- **Weight**: 6.8kg

#### Model 6380
- **Capacity**: Up to 120 units
- **Dimensions (mm)**: 375W x 121.5H x 137D
- **Weight**: 6.8kg

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