Model 2300
AirStat® Digital Ceiling Emitter Ionizer

FEATURES

· Digital Technology
· Pulsed DC Ion Emission
· 3 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

APPLICATIONS

Core Insight's AirStat® Digital Control Model 2300 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 2300 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.
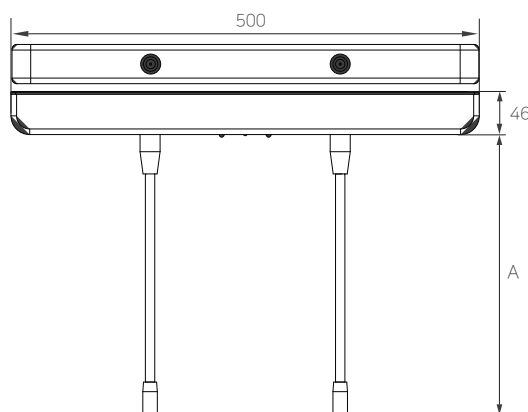
Model 2300 AirStat® Digital Ceiling Emitter Ionizer

Specifications

Input Voltage	24 VAC, 1.4 W Max.
Output Voltage	±10 kV DC, 100 V resolution adjustment
Ion Emission	Pulsed DC Technology
Display	3 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 ℃, nominal
	Humidity: 20 - 60% RH, non-condensing
Material	ABS plastic, Polycarbonate
Dimensions (mm)	500W x 46H x 42D
Weight	590g (without rods)
Warranty	2 year limited warranty
Certification	CE RoHS 2002/95/EC

Size & Dimensions (mm)

500
46
A

Lengths 'A' defined below

Rods Lengths (mm)

125	Model 2300-125-XX
300	Model 2300-300-XX
450	Model 2300-450-XX
600	Model 2300-600-XX
750	Model 2300-750-XX
900	Model 2300-900-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 and 40 emitters
Display	3 digit LED for 6320 and 6340
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
Model 6340	Capacity	Up to 40 units
	Dimensions (mm)	240W x 102H x 137D
	Weight	3.7kg

CORE INSIGHT 코어인사이트(주)