

# Auto-Balanced Ionization Systems

## Model 310 Ionizing Blower



### ▼ FEATURES

- CoreStat® Self-Balanced Technology
- Steady-state DC Ion Emission
- Low Balance
- Facility Monitoring System(FMS) Interface
- Operational Failure Alarm
- HV Failure Alarm
- Small Size for In-Tool and Bench Top

### ▼ BENEFITS

- No Calibration Required
- Connect Directly from Process Equipment
- 4-20mA Current Loop and Relay Output Monitoring
- LED Visual Notification
- Versatile Applications

### ▼ APPLICATIONS

Tribocharging is a typical ESD source and induced field from insulators must be controlled in EPA(ESD protected area). Process required insulators are commonly used in many places and should be neutralize by ionization systems.

CoreStat® self-balanced technology, Model 310 has designed versatile applications for semiconductor backend, printed circuit board assembly and general electronics applications. Model 310 ionizing blower doesn't required regular based calibration and intrinsically maintain low offset voltage within a spec.

Facility monitoring system interface will allow real time ionizer status monitoring and give visual & audio alarms when malfunctions or power down.

# Model 310 CoreStat Ionizing Blower

## ▼ SPECIFICATIONS

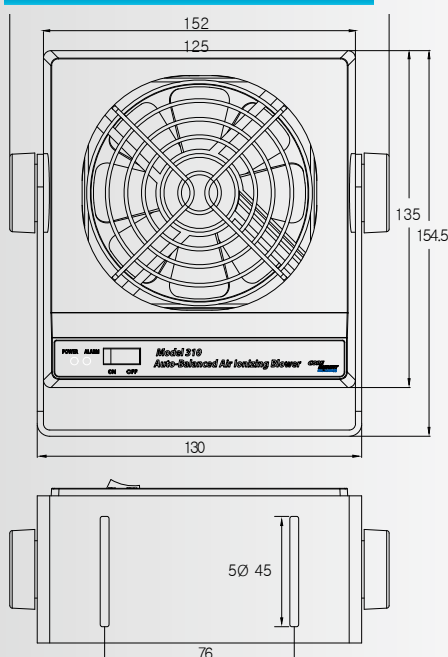
Input Voltage	24VDC, 6W (Max.)
Ion Emission	Steady-State DC Technology
Balance	< ±20V
Emitter Point	Tungsten 99.99%
LED	Power LED, Alarm LED
Alarm	Current output, HV output error
Airflow	59.91 CFM
Discharge	+/- 1000V to 100v less than 2.5 seconds at 1foot or 30cm +/- 1000V to 100v less than 5 seconds at 2foot or 60cm
Enclosure	ABS Case / Gray Color
Bracket	Aluminum
Warranty	1 year
Operating	15~35℃, 20~85% RH
Weight	507g
Dimensions	125 x 135 x 62 mm
(H x W x D)	(With standard 125 x 135 x 62 mm)

Facility Monitoring System Interface



Pin No.	Description	Facility Monitoring System Output Signals			
FMS 1	Alarm relay output	Condition	FMS 1 ~ 2	FMS 2 ~ 3	FMS 4
FMS 2	Relay common	Normal state	Open	Closed	4 ~ 5mA
FMS 3	Normal relay output	Alarm State	Closed	Open	17 ~ 20mA
FMS 4	Current output for each operation	No Power	Closed	Open	0mA
FMS 5	Current output reference ground				

## ▼ Sizes & Dimensions



## ▼ Model 310 Discharge Time

