

# Auto-Balanced Ionization Systems

**Model 310A Ionizing Blower**



## ✓ FEATURES

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

## ✓ BENEFITS

- No Calibration Required
- 4-20mA Current Loop and Relay Output Monitoring
- Visual Alarm
- Audio Alarm
- Emitter Point Easy Clean and Replace
- Connect to Process Equipment
- 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 auto-balanced technology, Model 310A has designed versatile applications for semiconductor backend, printed circuit board assembly and general electronics applications. Model 310A 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(LED) & audio(buzzer) alarms when HV power fail.

# Model 310A CoreStat Ionizing Blower

## ▼ SPECIFICATIONS

Input Voltage	24V DC, 7.2W (Maximum)
Ion Emission	Steady-State DC Technology
Balance	< ±20V
Discharge	±1000V to ±100V less than 2 seconds at 30cm ±1000V to ±100V less than 5 seconds at 60cm
Air flow	100 CFM
Emitter Point	Tungsten 99.99%
Alarm Function	Visual(LED), Audio(Buzzer) HV Power fail
Output Monitoring	FMS Interface
Material	Ionizer body- ABS (Gray) Filter cover- ABS (Black) Bracket- Aluminum
Operating Environment	Temperature : 15~35℃, Humidity : 35~85% RH
Dimensions	125x135x69.5mm
(WxHxD)	(with bracket 152x154.5x69.5mm)
Weight	571g(with bracket)
Warranty	1year

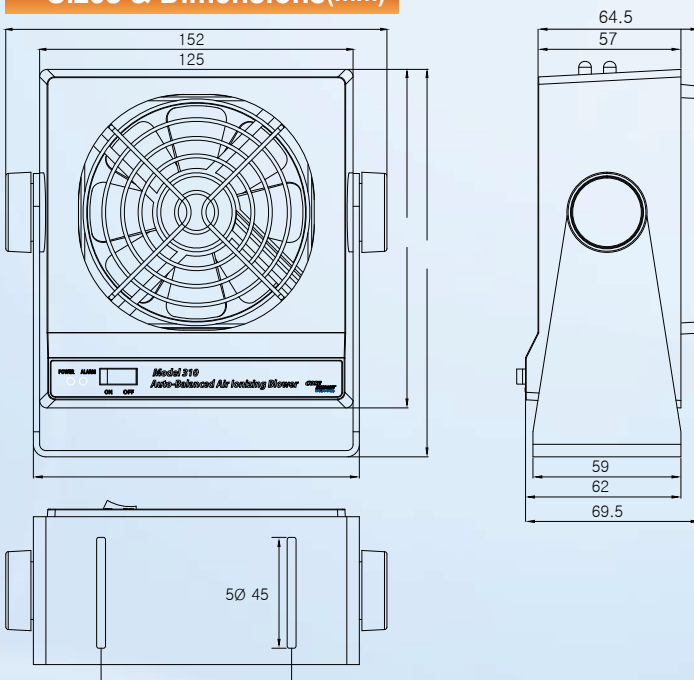
Facility Monitoring System Interface



Pin No.	Description
FMS 1	Alarm relay output
FMS 2	Relay common
FMS 3	Normal relay output
FMS 4	Current output for each operation
FMS 5	Current output reference ground

Facility Monitoring System Output Signals			
Condition	FMS 1 ~ 2	FMS 2 ~ 3	FMS 4~5
Normal state	Open	Closed	4 ~ 5mA
Alarm State	Closed	Open	17 ~ 20mA
No Power	Closed	Open	0mA

## ▼ Sizes & Dimensions(mm)



## ▼ Model 310A Discharge Time

