

Auto-Balanced Ionization System

Model 310B 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 310B has designed versatile applications for semiconductor backend, printed circuit board assembly and general electronics applications. Model 310B 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 310B CoreStat Ionizing Blower

▼ SPECIFICATIONS

Input Voltage	24V DC, 5.3 Watt (Maximum)
Ion Emission	Steady-State DC Technology
Ion Balance	< ±10V
Discharge Time	± 1000V to ±100V less than 3 sec at 30cm ± 1000V to ±100V less than 6 sec at 60cm
Aif Flow	60 CFM
Emitter Point	Tungsten 99.99%
Alarm Function	Visual (LED), Audio (Buzzer) when HV Power Fail
Output Monitoring	FMS Interface
Material	Enclosure - ABS (Gray), Filter Cover - ABS (Black) Bracket - Aluminum Powder Coating
Operating Environment	Temperature : 15 ~ 35°C Relative Humidity : 35 ~ 75% RH
Dimensions	125W x 135H x 70D mm without bracket 152W x 155H x 70D mm with bracket
Weight	571g (with bracket)
Warranty	2 year Limited

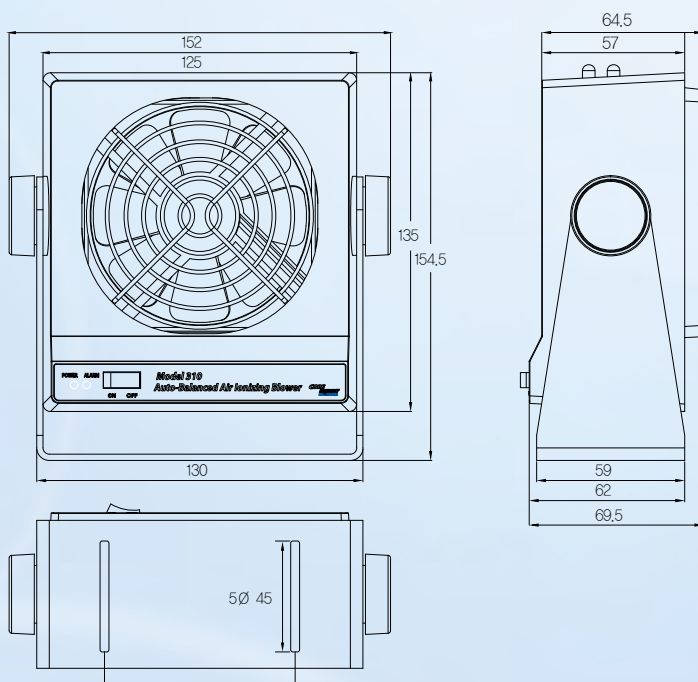
Facility Monitoring System Interface



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 310B Discharge Time

