

Auto-Balanced Ionization System

Model 360A 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 360A has designed versatile applications for semiconductor backend, printed circuit board assembly and general electronics applications. Model 360A 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 360A CoreStat Ionizing Blower

Specifications

Input Voltage	24V DC, 4 Watt (Maximum)
Ion Emission	Steady-State DC Technology
Ion Balance	< ±20V
Discharge Time	±1000V to ±100V less than 5 sec at 30cm ±1000V to ±100V less than 8 sec at 60cm
Aif Flow	27 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	80W x 110H x 64D mm without bracket 105W x 120H x 64D mm with bracket
Weight	335g (with bracket)
Warranty	2 year Limited

Facility Monitoring System Interface



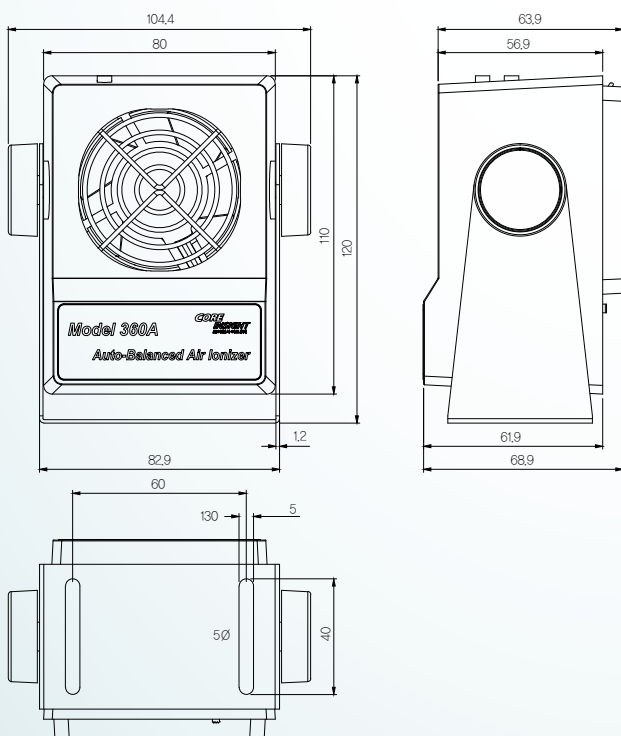
Pin No. Description

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 360A Discharge Time

