

# 3M

## 960 Mini Air Ionizer



1

The 3M™ 960 Mini Air Ionizer is a small and versatile blower available for equipment or local area ionization. Its small size makes it ideal for use in those situations where space is at a minimum. Possible applications include in or around electronic product equipment, inside OEM equipment, or on ESD workstations.

The 960 Mini Air Ionizer generates a well-balanced flow of ionized air particles, which neutralizes any stray electrostatic buildup on a surface. Charges are dissipated in seconds and the possibility of a damaging electrostatic discharge (ESD) event is minimized. The 960 also maintains a reasonably balanced flow ( $\pm 20V$ ) of ionized air.

The 960 runs off of low-voltage 24 VAC power, that can be supplied by the 3M™ 960X/980X Wall Transformer (sold separately). Included with the 960 are a mounting bracket and a 3 foot telephone cable (with modular plugs) to connect the ionizer to the 960X/980X.

### Features & Benefits

- Steady-state DC ion emission for efficient ion delivery
- Intrinsically balanced - no adjustment necessary
- Small/compact design utilizes very little work bench space
- UL/C-UL/CE approved for global acceptance

### Applications

- At ESD workstation, pinpoint coverage at targeted area improves product yields and reliability
- Pinpoint coverage on electronic production equipment, inside OEM equipment, resolves contamination issues, material handling problems or microprocessor lock-up
- Pinpoint coverage on IC Testers, pick and place equipment, and tape and reel equipment reduces handling problems

### Customer and Technical Service

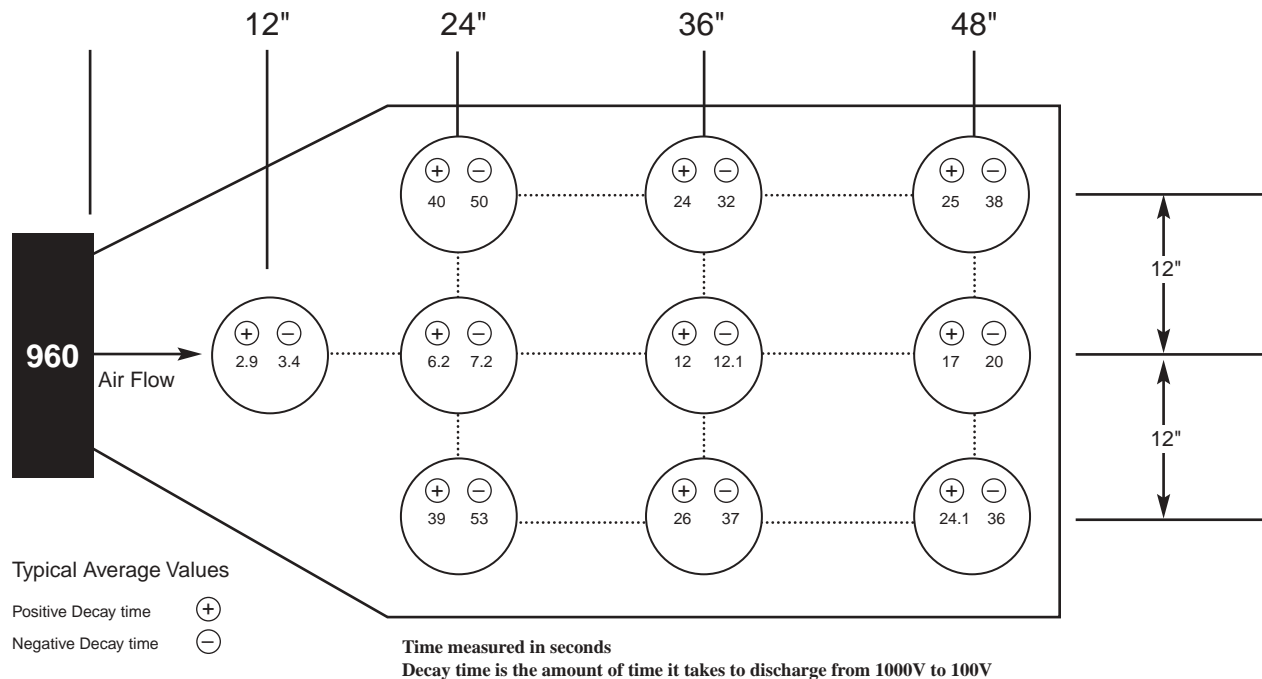
**Within the U.S.:** Customer service and technical support can be obtained by calling the 3M Electronic Handling & Protection Division.

Customer Service Dept.: (800) 328-1368

Technical Support Helpline: (512) 984-3200

**Outside of the U.S.:** For customer service and technical support, please contact your local representative of the 3M Electronic Handling & Protection Division.

# 3M™ 960 Mini Air Ionizer



## Typical Properties

### 960 Mini Air Ionizer

Input Power	AC 24V , 5.5 watts
Power Input Connection	RJ-11 socket
Size	4.5" (H) x 3.3" (W) x 2.0" (D) (including bracket)
Weight	0.75 lb.
*Offset Balance @ 1 ft.	± 20 V
<b>*On Center Discharge Times</b>	
@ 1 ft.	<4 seconds
@ 2 ft.	<10 seconds
@ 3 ft.	<18 seconds
@ 4 ft.	<28 seconds
Air Flow Velocity (@ 1" in front of grille)	300 ft./min.
Air Flow Volume	22 SCFM
Certifications	UL, C-UL, CE

\*Testing was performed with a charged plate monitor in accordance with ionization standard ANSI/ESD 53.1 - 1991.

### 960X/980X Wall Transformer (sold separately)

Input	AC 120V, 50/60 Hz, 270 mA
Output	AC 24V, 1.0 A through RJ-11 socket
Dimensions	3.2" (H) x 2.6" (W) x 1.9" (D)
Weight	16 oz.
Certifications	UL (CLASS 2)
Note:	One transformer will supply power for up to four (4) 960 Mini Air Ionizers

## Important Notice

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### Electronic Handling & Protection Division

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