

## 3M™ Mini Air Ionizer 960

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

The Mini Air Ionizer 960 runs off of low-voltage 24 VAC power, that can be supplied by the 3M™ Transformer 960/980X (sold separately). Included with the Mini Air Ionizer 960 are a mounting bracket and a 3 foot telephone cable (with modular plugs) to connect up to 4 Mini Air Ionizers in series.

### 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



### Typical Properties

#### Mini Air Ionizer 960

Input Power	AC 24V , 5.5 watts
Size	4.5" (H) x 3.3" (W) x 2.0" (D) (including bracket)
Weight	0.75 lb.
*Offset Balance @ 1 ft.	$\pm 20V$
*On Center Decay @ 1 ft.	<7 seconds
Air Flow Velocity (@ 1" in front of grille)	250 ft./min.
Certifications	UL, C-UL, CE

\*Testing was performed with a charged plate monitor in accordance with ionization standard ANSI/ESD STM 3.1 - 2006.

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

Input	AC 120V, 50/60 Hz, 270 mA
Output	AC 24V, 1.0 A through RJ-11 socket
Dimensions	3.5" (H) x 2.6" (W) x 2.3" (D)
Weight	2.2 lbs.
Certifications	UL

NOTE: One transformer will supply power for up to four (4) 960 Mini Air Ionizers  
Transformer is not included with purchase of 3M™ Mini Air Ionizer 960.

## 3M™ Mini Air Ionizer 960

### Customer and Technical Service

**Within the U.S.:** Customer service and technical support can be obtained by calling the 3M Electronics Materials Solutions Division.

Customer Service Dept.: 866-722-3736

**Outside of the U.S.:** For customer service and technical support, please contact your local representative of the 3M Electronics Materials Solutions Division.

Unless otherwise noted, references to industry specifications are intended to indicate substantial compliance to the material elements of the specification. Such references should not be construed as a guarantee of compliance to all requirements in a given specification.

3M is a trademark of 3M Company. All other trademarks are owned by their respective companies.

### Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.



### Electronics Materials Solutions Division Static Control Products

926 JR Industrial Drive  
Sanford, NC 27332-9733  
Toll-Free: 866-722-3736  
International: 919-718-0000  
Email: 3mstaticinfo@mmm.com  
www.3mstatic.com

### Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for one year from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**

Unless otherwise noted, references to industry specifications are intended to indicate substantial compliance to the material elements of the specification. Such references should not be construed as a guarantee of compliance to all requirements in a given specification.