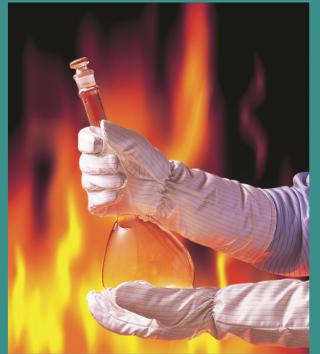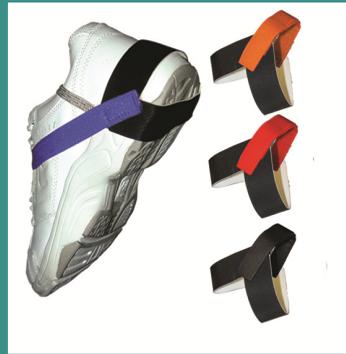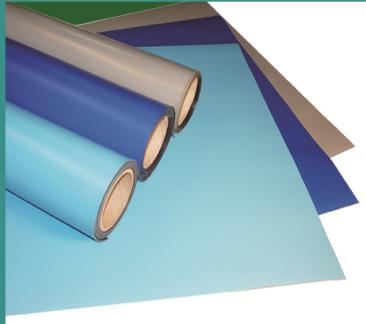# TRANSFORMING TECHNOLOGIES

*OUTSTANDING ALTERNATIVES IN STATIC CONTROL*



**IONIZATION    MATTING    APPAREL    GROUNDING   TEST EQUIPMENT**

## STATIC CONTROL PRODUCT CATALOG
*Knowledge, Value, Service...StaticCare™*

**www.transforming-technologies.com**

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## About Transforming Technologies

Transforming Technologies provides comprehensive knowledge of electrostatic issues, effective solution-oriented products and outstanding, friendly service. Since 1998, Transforming Technologies has provided critical solutions to the numerous manufacturing problems associated with static electricity. We provide a wide range of unique and outstanding products to detect, protect, eliminate and monitor electrostatic charges. Our products are key tools used by industries to assure an effective static control program.

### Contact Information

Phone:      419-841-9552
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Online:     www.transforming-technologies.com

### Hours:

Monday - Friday
8:30am - 5:30pm

### Address

Transforming Technologies, LLC
3719 King Road,
Toledo, Ohio 43617

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## Terms and Conditions:

**Terms:** Net 30 days are extended to customers with approved credit.
**Payment:** Transforming Technologies accepts Check, ACH or Wire Transfer, VISA, MasterCard and American Express.
**Taxes:** Applicable sales tax will be added to all orders. Customers who are exempt from sales tax will need to provide documentation.
**Warranties:** Transforming Technologies expressly warrants that for a period of one (1) year from the date of purchase, products will be free of defects in material (parts) and workmanship (labor). Within the warranty period, a unit will be tested, repaired or replaced at Transforming Technologies option, without charge. Call our Customer Service Department for a Return Material Authorization (RMA) and proper shipping instructions and address. Any unit under warranty can be shipped collect to the Transforming Technologies factory. Warranty replacements will take approximately two weeks. If your unit is out of warranty; call our Customer Service Department at 419-841-9552 for a Return Material Authorization (RMA) and proper shipping instructions and address. Transforming Technologies will quote repair charges necessary to bring your ESD unit up to factory standards.

**Limit of Liability**: In no event will Transforming Technologies, its representatives or resellers be responsible or liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, potential users shall determine the suitability of the product for their intended use, and users assume all risk and liability.
**F.O.B. Point**: Unless embodied in a written agreement signed by authorized officers of Transforming Technologies the F.O.B. point for all products purchased from Transforming Technologies will be the F.O.B. factory. Stock orders received by 2:30 pm EST will be shipped the same day if possible.
**Out of Warranty Repair**: Field repair or unauthorized tampering of Transforming Technologies products is not recommended and will nullify any and all warranties. All Transforming Technologies items to be repaired must be returned to the factory. Transforming Technologies will quote repair cost upon receipt and inspection of product. Repaired product will include a 60 day warranty. A Return Merchandise Authorization number (RMA#) must be obtained from Transforming Technologies for out of warranty repairs. The RMA number must appear on the outside of returned cartons, and Transforming Technologies has the right to refuse all return shipments which do not bear the RMA number or which are shipped freight collect. Customer is responsible for all freight and transportation charges.

# HEEL GROUNDERS

## Cup Style Heel Grounders

**BEST SELLER!**

### Features

Cup Style Heel Grounders are made with a symmetrical design that can be reversed when worn to reduce wear and tear. They feature a dual layer rubber with a non-marking inside and a conductive black outside. A 1meg resistor and a 18" conductive ribbon are standard.
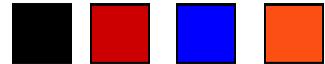
**Specifications:**
- Resistor: 1 Meg
- Strap: Stretch Velcro
- Rubber Exterior: <10^5ohms
- Size: 1.25" Wide
- Ribbon: 18" Conductive Yarn
- Closure: Velcro

| Part Numbers | |
|---|---|
| HG1360 | Cup, Stretch Velcro, Black |
| HG1360R | Cup, Stretch Velcro, Red |
| HG1360B | Cup, Stretch Velcro, Blue |
| HG1370 | Cup, Stretch Velcro, Orange |

**Four Colors Available!**

## Non-Marking Cup Style Heel Grounders

### Features

Non-Marking Cup Heel Grounders will not leave scuff marks or blemishes on your floor to help keep your controlled environment clean. The HG1360NM2 is constructed from a non-marking and highly dissipative three layer rubber and a stretch Velcro closure.

**Specifications:**
- Resistor: 1 Meg
- Color: Gray Rubber, Blue Elastic
- Rubber Exterior: <10 Meg
- Size: 1.5" wide
- Ribbon: 18" Conductive Yarn
- Closure: Stretch Velcro

| Part Numbers | |
|---|---|
| HG1360NM2 | Blue, 1 meg, Non-Marking |

## Sport Style Heel Grounders

### Features

Sport Style Heel Grounders are designed for active wearers and are ideal for boots and cross-training athletic shoes. A highly visible elastic back strap forms to the heel, ensuring proper fit. A Non-Marking version is available.

**Specifications:**
- Resistor: 1 Meg
- Color: Blue, Red Elastic
- Rubber Exterior: <10^5ohms
- Size: 1.37" Wide
- Ribbon: 18" Conductive Yarn
- Closure: Velcro, D-ring or Non-Marking

| Part Numbers | |
|---|---|
| HG1590 | Sport , 35mm, Velcro |
| HG1594 | Sport , 35mm, D-Ring |
| HG1590NM | Sport , 35mm,Non-Marking |

## Hi-Visibility Style Heel Grounders

### Features

The Hi-Visibility Heel Grounder is constructed from durable materials and features a hi-visibility yellow/green Velcro closure for easy identification in the work area.

**Specifications:**
- Resistor: 1 Meg
- Color: Hi-Vis Elastic
- Rubber Exterior: <10^5ohms
- Size: 1.37" Wide
- Ribbon: 18" Conductive Yarn
- Closure: Velcro

| Part Numbers | |
|---|---|
| HG1390S | Hi-Vis Yellow, 1 Meg, Velcro |

**PERSONAL GROUNDING**

# SOLE GROUNDERS

### Features
Full Coverage Sole Grounders are designed to provide maximum surface contact. The benefit of wearing a sole grounder is always maintaining contact with the floor surface whether on heel or toe. Comes in 1 meg or 2 meg versions.

**Specification:**
- Resistor: 1 Meg or 2 Meg
- Color: Black, Blue Strap
- Rubber Exterior: $<10^5$Ohms
- Size: Full Sole Coverage
- X-Small, Small, Med, Large
- Closure: Elastic

| Part Numbers | |
| --- | --- |
| HG6005 | 1 Meg, X-Small |
| HG6010 | 1 Meg, Small |
| HG6020 | 1 Meg, Med |
| HG6030 | 1 Meg, Large |
| HG6052 | 2 Meg, X-Small |
| HG6012 | 2 Meg, Small |
| HG6022 | 2 Meg, Med |
| HG6032 | 2 Meg, Large |

## Non-Marking Sole Grounders

**Specifications:**
- Non-Marking
- Color: Yellow Rubber, Blue Strap
- Rubber Exterior: $<10^{10}$ meg
- Size: Full Sole Coverage
- X-Small, Small, Med, Large

| Part Numbers | |
| --- | --- |
| HG9001 | Non-Marking, 1 Meg, X-Small |
| HG9002 | Non-Marking, 1 Meg, Small |
| HG9003 | Non-Marking, 1 Meg, Med |
| HG9004 | Non-Marking, 1 Meg, Large |

## Hi-Visibility Sole Grounder

**Specifications:**
- Hi-Visibility Yellow
- Non-Marking
- Color: Yellow Rubber, Yellow Strap
- Rubber Exterior: $<10^{10}$ meg
- Size: Full Sole Coverage
- X-Small, Small, Med, Large

| Part Numbers | |
| --- | --- |
| HG9010 | Non-Marking, 1 Meg, X-Small |
| HG9020 | Non-Marking, 1 Meg, Small |
| HG9030 | Non-Marking, 1 Meg, Med |
| HG9040 | Non-Marking, 1 Meg, Large |

## Disposable Heel Grounders
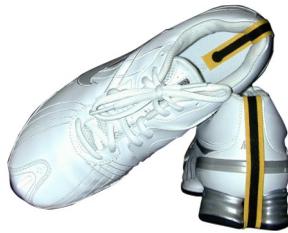
### Features
Disposable Heel Grounders are a single use, economical solution for temporary personnel who enter static controlled environments with ESD flooring. Secures to footwear with a non-damaging adhe-

**Specifications:**
- Material: Non-Woven Polyester with Carbon
- Color: Black, Yellow
- RTG: $> 1 \times 10^5$ - $< 3.5 \times 10^7$
- Adhesive Strip Secures Strap to Footwear

| Part Numbers | |
| --- | --- |
| HG4560 | Disposable, 12" |
| HG4560L | Disposable, 24" |

## Toe Grounders

### Features
Toe Grounders are perfect for a wide variety of heeled shoes. Constructed from durable materials and featuring a comfortable elastic closure, the HG2520 provides protection for staff on the move.

**Specifications:**
- Resistor: 1 Meg
- Color: Black Stretch Velcro
- Rubber Exterior: $<10^5$Ohms
- Size: 35mm Wide
- Closure: Elastic

| Part Numbers | |
| --- | --- |
| HG2520 | Toe Grounder, Black |

## Disposable Shoe Covers

### Features
The plain sole bottom shoe covers are made from two (2) pieces of heavy-weight polypropylene and work well when worn inside laundered boot covers.

**Specifications:**
- Material: 100% Virgin Polypropylene
- Weight 1.25oz (40 gm)
- Color: Blue
- Surface Resistance: $<10^6$Ohms
- Size: Universal

| Part Numbers | |
| --- | --- |
| SC1206C | Disposable Shoe Cover |

**PERSONAL GROUNDING**

# WRIST STRAPS

## Metal Dual Wire Wrist Strap Sets

### Features

Dual Wire Wrist Straps provide redundancy; even if one dual wire wrist strap conductor is severed, the operator has reliable path-to-ground with other wire. The expandable metal band features a single mono jack fastener capable of reading both sides of the wrist strap. Used with dual wire constant monitors.

**Specifications:**
- Expandable Speidel Metal Band: Small, Medium, Large
- Color: Black Band, Gray Cord
- Two Conductive Paths
- Compatible with Most Dual Wire Constant Monitors
- Right Angle Coil Cords Available

| Part Numbers | |
|---|---|
| WB5050(*) | Metal, 5', Size* |
| WB5100(*) | Metal, 10', Size* |
| WB5200(*) | Metal, 20', Size* |
| WB5050(*)R | Metal, 5', Rt. Angle, Size* |
| WB5100(*)R | Metal, 10', Rt. Angle, Size* |
| WB5200(*)R | Metal , 20', Rt. Angle, Size* |
| WB0050(*) | Metal Band Only, Size* |

*Size: (S) Small, (M) Medium or (L) Large for size

## Fabric Dual Wire Wrist Strap Sets

### Features

The one-size-fits-all WB7000 Dual Conductor Fabric Wrist Bands feature a silver plated, monofilament, continuous thread woven together with elastic nylon for full conductivity and comfort. Used with dual wire constant monitors.

**Specifications:**
- Comfortable Elastic Band
- Color: Blue Band, Gray Cord
- Two Conductive Paths
- Compatible with Most Dual Wire Constant Monitors

| Part Numbers | |
|---|---|
| WB7050 | 5', Turquoise |
| WB7100 | 10', Turquoise |
| WB7200 | 20', Turquoise |
| WB7050R | 5', Turquoise, Rt. Angle |
| WB7100R | 10', Turquoise, Rt. Angle |
| WB7200R | 20', Turquoise, Rt. Angle |
| WB0070 | Fabric Band Only |

## Dual Wire Wrist Strap Sets

### Features

The adjustable WB2500 series features two 4mm snaps and 180 degree conductive paths around the wrist, providing maximum skin contact. The double snap coil cords provide two conductive paths to ground. Used with dual wire constant monitors.

**Specifications:**
- Polyester with Silver-Plated Nylon Fabric Band
- Color: Maroon
- Two 4mm Snaps
- Dual Wire Coil Cord: 6' or 12'
- Compatible with Most Dual Wire Constant Monitors

| Part Numbers | |
|---|---|
| WB2580 | Dual Snap, 6', Maroon |
| WB2585 | Dual Snap, 12', Maroon |
| WB0025 | Band Only, Maroon |

## Disposable Wrist Bands

### Features:

Designed for inclusion with ESD sensitive devices such as computer components to provide protection at the customer's site. Made from a non-woven fabric impregnated with conductive polymer. Adhesive on a copper foil is used for easy contact to any electrical ground.

**Specifications:**
- Safe, Effective and Economical Ground Strap
- Non-Woven Fabric Impregnated with a Conductive Polymer
- Conductive Adhesive for Secure Connection to Ground

| Part Numbers | |
|---|---|
| WB5407 | Disposable Wrist Band |

**PERSONAL GROUNDING**

# SINGLE WIRE WRIST STRAPS

### Features
Single Wire Wrist Strap sets are a versatile and effective method of grounding personnel that allows the skin to breathe. The band uses hypo-allergenic silver-plated nylon thread for conductivity paired with 6' or 12' coil cords. The band is standard with a 4mm snap, but 7mm and 10mm are available.

**Specifications:**
- Hypoallergenic Fabric Band
- Resistor: 1 Meg
- Three Snap Sizes Available
- Available in Maroon in a 4mm Snap

## Two Colors and Three Snap Sizes Available!
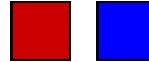
| Part Numbers | |
| --- | --- |
| WB1637 | Set, 6', 4mm Blue |
| WB1643 | Set, 12', 4mm Blue |
| WB1738 | Set, 6', 7mm Blue |
| WB1744 | Set, 12', 7mm Blue |
| WB1839 | Set, 6', 10mm Blue |
| WB1845 | Set, 12', 10mm Blue |
| WB2637 | Set, 6', 4mm Maroon |
| WB2643 | Set, 12', 4mm Maroon |
| WB0016 | Band Only, 4mm, Blue |
| WB0017 | Band Only, 7mm, Blue |
| WB0018 | Band Only, 10mm, Blue |
| WB0026 | Band Only, 4mm, Maroon |

## Metal Single Wire Wrist Strap Sets

### Features
Fully adjustable metal wrist strap sets are made from stainless steel and contain no carbon which makes it an ideal solution for cleanroom environments. High quality construction make metal wrist bands very durable.

**Specifications:**
- Adjustable Metal Band
- Resistor: 1 Meg
- Premium Coil Cord
- Cleanroom Compatible Stainless Steel Construction

| Part Numbers | |
| --- | --- |
| WB6037 | Set, 6', 4mm Metal Band |
| WB6043 | Set, 12', 4mm Metal Band |
| WB6014 | Band Only |

## Hinged Single Wire Wrist Strap Sets

### Features
High quality hypoallergenic fabric wrist band features an unique locking snap face clasp that eliminates excess wrist band material. Paired with a premium coil cord in 6' or 12' lengths.

**Specifications:**
- Hypoallergenic Fabric Band
- Resistor: 1 Meg
- Hinged Clasp Secures Excess Fabric Band
- Color: Blue Strap, Black Cord
- Premium Coil Cord

| Part Numbers | |
| --- | --- |
| WB8037 | Set, 6', 4mm Hinged Band |
| WB8043 | Set, 12', 4mm Hinged Band |
| WB8014 | Band Only |

## Anti-Allergy Single Wire Wrist Strap Sets

### Features
The ideal grounding device for people with allergies to common metals. It features hypoallergenic silver-plated nylon thread for con-ductivity and the back plate has a plastic cover so that metal does not come in contact with skin.

**Specifications:**
- Hypoallergenic Fabric Band
- Plastic Back Plate Covers All Metal
- 1 Meg Resistor
- Color: Maroon Band, Black Cord

| Part Numbers | |
| --- | --- |
| WB5637 | Set, 6', 4mm Machine Snap |
| WB5643 | Set, 12', 4mm Machine Snap |
| WB5026 | Band Only |

# SINGLE WIRE COIL CORDS

**Specifications:**
- Premium Flat Face Snap for Solid Connection
- Short Swivel Type Banana
- 2.5 mm Polyurethane Coil Insulation
- Lengths: 6', 12', and 20'

**Specifications:**
- Classic Molded Snap
- Swivel Type Banana Jack
- 2.5 mm Polyurethane Coil Insulation
- Snap Sizes: 4mm; 7mm; 10mm

### Part Numbers

| | |
|---|---|
| CC9037 | Coil Cord, 6', 1 Meg, 4mm |
| CC9043 | Coil Cord, 12', 1 Meg, 4mm |
| CC9037R | Coil Cord, 6', Rt. Angle, 1 Meg, 4mm |
| CC9043R | Coil Cord, 12', Rt. Angle, 1 Meg, 4mm |
| CC9020 | Coil Cord, 20', 1 Meg, 4mm |

### Part Numbers

| | |
|---|---|
| CC0037 | Coil Cord, 6', 1 Meg, 4mm |
| CC0038 | Coil Cord, 6', 1 Meg, 7mm |
| CC0039 | Coil Cord, 6', 1 Meg, 10mm |
| CC0043 | Coil Cord, 12', 1 Meg, 4mm |
| CC0044 | Coil Cord, 12', 1 Meg, 7mm |
| CC0045 | Coil Cord, 12', 1 Meg, 10mm |

# Dual Wire Coil Cords

**Specifications:**
- Double Insulated Jacket
- Stainless Steel Tip
- Tip Diameter: 3.0 mm
- Available in with a Right Angle Plug
- Compatible with Dual Conductor Constant Monitors

### Part Numbers

| | |
|---|---|
| CC3050 | 6', 1 Meg |
| CC3100 | 10', 1 Meg |
| CC3200 | 20', 1 Meg |
| CC3050R | 6', 1 Meg, Rt. Angle |
| CC3100R | 10', 1 Meg, Rt. Angle |
| CC3200R | 20', 1 Meg, Rt. Angle |

**Specifications:**
- Double Insulated Jacket
- Two 4mm Snaps
- Banana: 3.5mm Phono Plug
- Right Angle Plug
- Compatible with Dual Conductor Constant Monitors

### Part Numbers

| | |
|---|---|
| CC2080 | 6', 1 Meg, Rt. Angle |
| CC2085 | 12', 1 Meg, Rt. Angle |

# Dual Wire Coil Cords

**Specifications:**
- Parking Jack On Snap Head
- Two 4mm Snaps
- Banana: 3.5mm Phono Plug
- Compatible with Dual Conductor Constant Monitors

### Part Numbers

| | |
|---|---|
| CC2695P-5 | 5' Parking Jack, 4mm |
| CC2695P-10 | 10' Parking Jack, 4mm |
| CC2695P-20 | 20' Parking Jack, 4mm |

# Interconnect Coil Cords

**Specifications:**
- Two Banana Plugs
- 8 feet Long
- No Resistor

### Part Numbers

| | |
|---|---|
| CC3000NR | 8' No Resistor |

# CONSTANT MONITORS



## Dual Wire Constant Monitors

The Resistance Ranger Series is the most reliable workstation monitoring system available. The extremely sensitive monitors accurately measure the electrical resistance of an ESD wrist band and work surface and signals if the devices fail. Audible and visible alarms are triggered if the operator's resistance exceeds 35 meg ohm or if the work surface exceeds 100 meg ohm. The Ranger Series saves time by eliminating time consuming testing and logging of wrist straps and coil cords.



**For use with dual wire wrist straps on page 4.**

### RangerONE: CM1601

**Features:**
- Monitors: One Operator
- Ultra Low Body Voltage
- Audible and Visual Alarms

### RangerTWO: CM1602

**Features:**
- Monitors: One Operator and One Work Surface
- Ultra Low Body Voltage
- Audible and Visual Alarms

### RangerPRO: CM1600

**Features:**
- Monitors: Two Operators
  - Two Work Surfaces
  - Two Tool Grounds
- Ultra Low Body Voltage
- Output Signal for Alarm
- Fixed Alarm Limits

### RangerNET: CM2815

**Features:**
- Monitors: Two Operators
  - Two Work Surfaces
- Ultra Low Body Voltage
- Output Signal for Alarm
- Fixed Alarm Limits
- Network-Ready

### RangerBOSS: CM2800

**Features:**
- Monitors: Two Operators
  - Two Work Surfaces
  - Two Tool Grounds
  - Operator Voltage
- Ultra Low Body Voltage
- Output Signal for Alarm
- Programmable Alarm Limits
- Data Acquisition Software
- Network-Ready

## Single Wire Constant Monitors

**CM400 Series Single Wire Constant Ground Monitors**
Using specialized capacitive sensing technology, the CM400 Series single wire ground monitors continuously monitor the single wire wrist straps and bench. Instant, audible alarm, and LED lights indicate a ground failure. Compatible with most single wire wrist bands. No calibration required! **See page 5 for single wire wrist straps.**

### CM400

**Features:**
- Monitors: One Operator
- Audible and Visual Alarms

### CM410

**Features:**
- Monitors: One Operators
  - One Work Surfaces
- Audible and Visual Alarms

### CM420

**Features:**
- Monitors: One Operators
  - One Work Surfaces
- Audible and Visual Alarms

# TABLE MATTING

## MT4500 Series Premium Two Layer Rubber

A 0.080" thick heavy-duty rubber matting is designed to be used on work-benches and ESD-safe test stations. It is resistant to hot solder and chemical abrasion. Versatile product with superior flat laying properties.



| Size | Part No. | Part No. | Part No. | Part No. |
|------|----------|----------|----------|----------|
| Roll Sizes | 24" x 50' | 30" x 50' | 36" x 50' | 48" x 50' |
| Part Number | MT4524B | MT4530B | MT4536B | MT4548B |
| Mats Kits | Comes cut to length with grounding hardware - Call For Other Sizes | | | |
| 24" x 36" | 24" x 48" | 24" x 72" | 36" x 48" | 36" X 72" |
| MT2436B | MT2448B | MT2472B | MT3648B | MT3672B |
| Replace "B" with "RB" for Royal Blue, "GY" For Gray, and GN for Green | | | | |

**Specification:**
- Rolls or Mats Available in Four Colors
- Meets ESD Industry Standards
- Thickness: 0.080"
- Resistance: $10^6$-$10^8$ Ohms

**Four Colors Available!**



**Pre-cut mat kits**
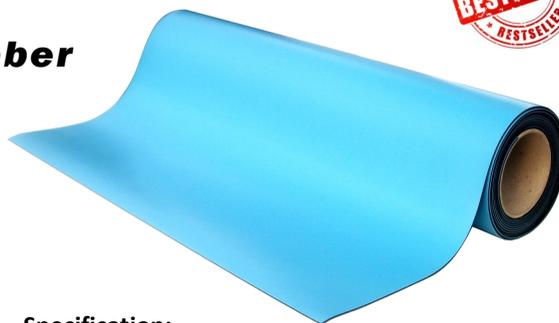
## MT2500 Series Two Layer Rubber

Manufactured from the same premium NBR rubber as the MT4500 series but 0.060" thick. Available in rolls or cut mats with grounding hardware installed.

| Size | Part No. | Part No. | Part No. | Part No. |
|------|----------|----------|----------|----------|
| Roll Sizes | 24" x 50' | 30" x 50' | 36" x 50' | 48" x 50' |
| Part Number | MT2524B | MT2530B | MT2536B | MT2548B |
| Mats Kits | Comes cut to length with grounding hardware - Call For Other Sizes | | | |
| 24" x 36" | 24" x 48" | 24" x 72" | 36" x 48" | 36" X 72" |
| MT2436B | MTLP2448B | MTLP2472B | MTLP3648B | MTLP3672B |
| Replace "B" with "RB" for Royal Blue, "GY" For Gray | | | | |



**Three Colors Available!**

## MT4000 Textured Two Layer Rubber

An exceptional 0.080" thick table mat with a non-skid textured surface. It is resistant to hot solder and chemical abrasion. Versatile product with superior flat laying properties.
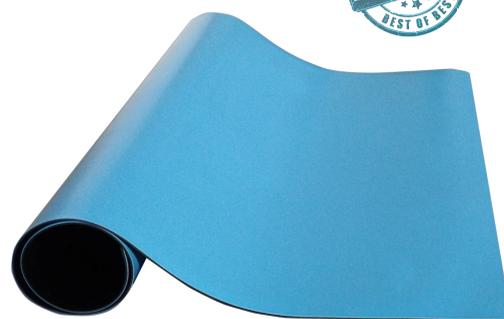
| Size | Part No. | Part No. | Part No. | Part No. |
|------|----------|----------|----------|----------|
| Roll Sizes | 24" x 40' | 30" x 40' | 36" x 40' | 48" x 40' |
| Part Number | MTT2440B | MTT3040B | MTT3640B | MT4840B |
| Mats Kits | Comes cut to length with grounding hardware - Call For Other Sizes | | | |
| 24" x 36" | 24" x 48" | 24" x 72" | 36" x 48" | 36" X 72" |
| MTT2436B | MTT2448B | MTT2472B | MTT3648B | MTT3672B |
| Replace "B" with "RB" for Royal Blue, "GY" For Gray, and GN for Green | | | | |



**Four Colors Available!**

# TABLE MATTING

## VinylSTAT™ A - Three Layer Vinyl

The ultimate in static dissipative flexible surfaces. A solid vinyl, homogeneous mat with a buried conductive layer gives VinylStat A superior physical and unsurpassed electrical qualities.

| Size | Part No. | Part No. | | |
|------|----------|----------|---|---|
| Full Rolls | 24" x 50' | 30" x 50' | 36" x 50' | 48" x 50' |
| Part Number | VMA2450B | VMA3050B | VMA3650B | VMA4850B |
| Mat Kits | Comes cut to length with grounding hardware - Call for other sizes | | | |
| 24" x 36" | 24" x 48" | 24" x 72" | 36" x 48" | 36" X 72" |
| VMA2436B | VMA2448B | VMA2472B | VMA3648B | VMA3672B |
| Replace "B" ,  and "GY" For Gray | | | | |
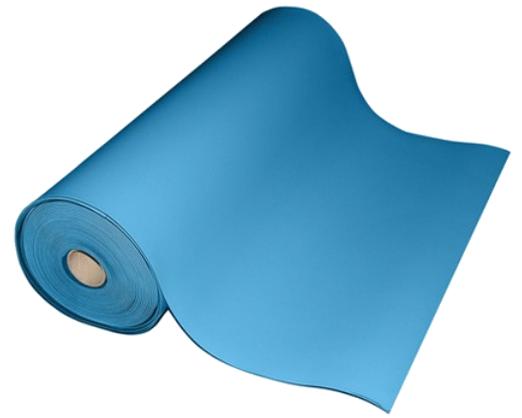
**Specification:**
- Three Layer Vinyl
- Resistance: $10^6$-$10^8$ ohms
- Meets ESD Industry Standards

## VinylSTAT™ B - Three Layer Vinyl with Foam

Provide a cushioned surface for ESD sensitive items with a  unique three layer design consisting of a conductive metalized fleece sandwiched between a solid, vinyl top surface and an ergonomic foam layer base.

| Size | Part No. | Part No. | | |
|------|----------|----------|---|---|
| Full Rolls | 24" x 50' | 30" x 50' | 36" x 50' | 48" x 50' |
| Part Number | VMB2450B | VMB3050B | VMB3650B | VMB4850B |
| Mat Kits | Comes cut to length with grounding hardware - Call for other sizes | | | |
| 24" x 36" | 24" x 48" | 24" x 72" | 36" x 48" | 36" X 72" |
| VMB2436B | VMB2448B | VMB2472B | VMB3648B | VMB3672B |
| Replace "B" ,  and "GY" For Gray | | | | |

**Specification:**
- Three Layer with Foam Backing
- Resistance: $10^6$-$10^8$ ohms
- Meets ESD Industry Standards

## VinylSTAT™ C  - Homogeneous Vinyl

A homogeneous polymer mix construction with unsurpassed electrical properties, gives VinylSTAT C a consistent, controlled static drain and physical properties with highest level of protection. Also available in a 0.0625" thickness (VinylSTAT D).

| Size | Part No. | Part No. | | |
|------|----------|----------|---|---|
| Full Rolls | 24" x 50' | 30" x 50' | 36" x 50' | 48" x 50' |
| Part Number | VMC2450B | VMC3050B | VMC3650B | VMC4850B |
| Mat Kits | Comes cut to length with grounding hardware - Call for other sizes | | | |
| 24" x 36" | 24" x 48" | 24" x 72" | 36" x 48" | 36" X 72" |
| VMC2436B | VMC2448B | VMC2472B | VMC3648B | VMC3672B |
| Replace "B" ,  and "GY" For Gray.  Replace "VMC" with "VMD" for 0.0625" thick | | | | |

**Specification:**
- Single Layer Homogeneous
- Resistance: $10^6$-$10^8$ ohms
- Gauge: VinylSTAT C: 0.093"
           VinylSTAT D: 0.0625"
- Meets ESD Industry Standards

MATTING

# FLOOR MATTING

## ComfortGEL™ Anti-Fatigue Mats

The extremely comfortable mat is developed to prevent worker fatigue where static control is an issue. Constructed from a 0.625" thick close cell rubberized gel foam that can be cleaned for controlled environments.

| Size | Part No. |
|------|----------|
| 20" x 3' | FM62036BK |
| 2' x 3' | FM62436BK |
| 3' x 5' | FM66036BK |

**Specification:**
- Emboss Pattern: Pebble
- Thickness: 0.625"
- Resistance: $5.68 \times 10^7$
- Very Soft

## ComfortDOME™ Anti-Fatigue Mats

Evenly spaced domes on the conductive surface provides superior anti-fatigue relief because they get softer when compressed, not harder like products made with foam. The domes recover/rebound more rapidly than most foam resulting in an energizing responsiveness not found in other mats. Available in single work area mats or in interlocking sections for long assembly lines.

| Size | Part No. |
|------|----------|
| **Standalone Mats with Beveled Edges** | |
| 2' x 3' | FM52X3 |
| 3' x 4' | FM53X4 |
| **Interlocking Floor Runners** | |
| 3' x 4' | FM53X4IC - Interlocking Piece |
| 3' x 4' | FM53X4EP - End Piece |

**Specification:**
- Emboss Pattern: Bubble Dome
- Thickness: 0.50"
- Resistance: $10^3$-$10^5$ ohms
- Energizing Responsiveness

## ComfortTREAD™ Anti-Fatigue Mats

Embossed with raised diamond-plate treads for superior traction and feature wide beveled borders to promote safety. A fully molded honeycombed cell design absorbs shock and cushions the feet. Available in interlocking sections which can be quickly dismantled to make moving and cleaning easy.

| Size | Part No. |
|------|----------|
| **Interlocking Floor Runners** | |
| 28" x 30" | FM9C - Interlocking Piece |
| 28" x 30" | FM9E - End Piece |

**Specification:**
- Emboss Pattern: Diamond
- Thickness: 0.50"
- Resistance: $10^3$-$10^5$ ohms
- Shock Absorbing
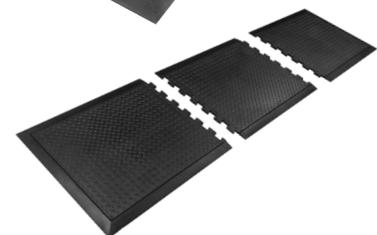
# FLOOR MATTING

## *VinylSTAT™ Anti-Fatigue Mats*

Made from expanded foam vinyl that reduces worker fatigue by providing a comfortable surface to stand on. They are available in single work area mats or runners for long assembly lines.

| Size | Part No. | Part No. |
|---|---|---|
| **Full Rolls** | **Gray** | **Brown** |
| **3' x 60'** | FM236720GY | FM236720BN |
| **4' x 60'** | FM248720GY | FM248720BN |
| **Cut Mats** | | |
| **2' x 3'** | FM22436GY | FM22436BN |
| **3' x 5'** | FM23660GY | FM23660BN |

**Specification:**
- Emboss: Tennis
- Thickness: 0.375"
- Resistance: $10^9$ - $9 \times 10^{10}$ ohms
- Spongy Foam
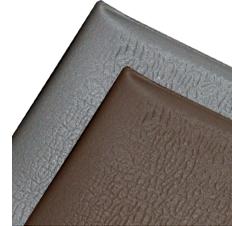
## *VinylSTAT™ ESD Chair Mats & Runners*

The perfect floor covering for rolling chairs when static protection is a priority. The ESD Chair Mats are made of solid conductive vinyl that protects carpets and floors from wear-and-tear. Available in rolls, workstation mats, and office-style desk mats.

| Size | Part No. | Size |
|---|---|---|
| **Full Rolls** | FM74X75 | **4' x 75'** |
| **Office Mat** | FM7CHAIR | **46" x 50"** |
| **Cut Mats** | FM72448 | **2' x 4'** |
| | FM73648 | **3' x 4'** |
| | FM74872 | **4' x 6'** |

**Specification:**
- Emboss: Light Pebble
- Thickness: 0.093"
- Resistance: $10^3$ – $10^5$
- Durable, Ridged Vinyl

## *GrooveSTAT™ Conductive Floor Runners*

A ribbed emboss pattern provides a non-slip surface that provides excellent traction and allows the mat to be easily cleaned. The matting is available in 4'x32' rolls and an assortment of lengths.

| Size | Part No. | Size |
|---|---|---|
| **Full Rolls** | **FM104X32** | **4' x 32'** |
| **Cut Mats** | **FM102448** | **2' x 4'** |
| | **FM103648** | **3' x 4'** |
| | **FM104872** | **4' x 6'** |

**Specification:**
- Emboss: V-groove
- Thickness: 0.125"
- Resistance: $10^3$ – $10^5$
- Non-Slip V-Groove Surface
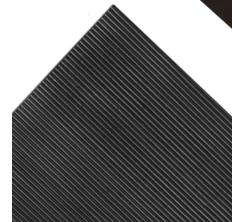
# FLOOR MATTING

## TileSTAT™ Anti-Fatigue Floor Tiles

Durable 3' x 3' interlocking mats fit together like a puzzle to create custom ESD workstations or complete room systems. Made with 3/4" thick conductive rubber which creates an anti-fatigue surface. The mats can be quickly dismantled to make moving and cleaning easy. Optional beveled borders can be added to the mats.



| Part No. | Type |
|----------|------|
| FM83X3 | ESD Interlocking Tile, 3'x3' |
| FM8RF | Yellow Border, Female |
| FM8RM | Yellow Border, Male |
| GK2000 | Floor Mat Grounding Kit |

**Specification:**
- Emboss: Light Pebble
- Size: 3' x 3' x 3/4"
- Resistance: $10^4$ to $10^6$
- Shock Absorbing Tile

## Industrial Floor Tiles

This ESD matting is capable of tolerating the heavy loads and harsh conditions associated with industrial environments. Safety ramp edging, in matching black or high visibility yellow, ensures a safer transition to and from the ESD work area. The interlocking design makes the flooring simple to install and easy to configure.

| Part No. | Type |
|----------|------|
| PV3010 | ESD Tile - 20"x20"x1" |
| PV3110 | Female Edge Yellow- 4" X 20" |
| PV3112 | Male Edge Yellow- 4" X 20" |
| PV3114 | Corner Female Edge Yellow- 4" X 20" |
| PV3116 | Corner Male Edge Yellow- 4" X 20" |
| PV3210 | Grounding Plate |

**Specification:**
- Emboss: Diamond Plate
- Size: 20" x 20" x 1"
- Resistance: $10^5$ to $10^8$
- Firm, Low Compression
- Tolerates Harsh Conditions
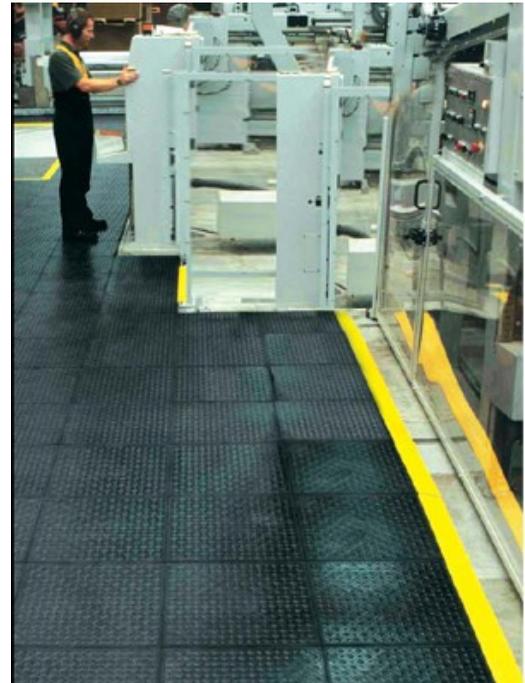
## Field Service Kit

Made from a rugged, three-layer ESD material that provides service personnel with a static free work area for handling sensitive devices in the field.

**Specification:**
- Color: Blue or Red
- Two 8" x 12" Pockets with snaps
- Adjustable WB1637 Fabric Wrist Band Set

| Part Numbers | |
|--------------|---|
| FSM2424R | Field Kit, Red |
| FSM2424B | Field Kit, Blue |

# GROUND CORDS

## Table Mat Ground Kit

**Features**
- Grounds ESD Table Mats
- 1 Cord & Universal Snap
- Length: 15'
- #10 Ring Terminal
- Snap Size: 10mm
- Resistor: 1meg

| Part Numbers | |
|---|---|
| GK1000 | Table Mat Ground Kit |

## Floor Mat Ground Kit

**Features**
- Grounds ESD Floor Mats
- 1 Cord & Universal Snap
- Length: 15'
- #10 Ring Terminal
- Snap Size: 10mm
- Resistor: 1meg

| Part Numbers | |
|---|---|
| GK2000 | Floor Mat Ground Kit |

## Low Profile Common Point Ground

**Features**
- Low Profile Head
- Two Banana Jacks
- Length: 15'
- Resistor: 1meg & 0 meg
- #10 Ring Terminal
- Snap Size: 10mm

| Part Numbers | |
|---|---|
| CP2522 | Male, 1meg |
| CP2524 | Female, 1meg |
| CP2522NR | Male, No Resistor |

## Floor Mat Ground

**Features**
- Low Profile Molded Head
- Length: 15'
- #10 Ring Terminal
- 10mm Stud or Socket
- Resistor: 1meg
- Snap Size: 10mm

| Part Numbers | |
|---|---|
| FM1515 | Male, 1meg |
| FM1517 | Female, 1meg |

## Common Point Ground

**Features**
- Two Banana Jacks
- Length: 15'
- #10 Ring Terminal
- Resistor: 1meg
- Snap Size: 10mm
- Bull Dog Clip Available

| Part Numbers | |
|---|---|
| CP1518 | Male, 1meg |
| CP1518DB | Male, Bull Dog Clip |

## Bench Mount Ground

**Features**
- Metal Bench Mount Ground
- Two Banana Jacks
- Two Parking Studs
- Length: 15'
- #10 Ring Terminal

| Part Numbers | |
|---|---|
| CP4070 | Metal Mount Ground |

## Quad Common Point Ground

**Features**
- Four Banana Jacks
- Length: 15'
- Resistor: 0 meg
- #10 Ring Terminal
- Snap Size: 10mm

| Part Numbers | |
|---|---|
| CP4822 | Male, No Resistor |

## Interconnect Cord

**Features**
- Connect Two Work Surfaces
- Low Profile Caps
- No Resistor
- Snap Size: 10mm

| Part Numbers | |
|---|---|
| FM2525NR | Interconnect Cord |

# *GROUND HARDWARE*

## Push and Clinch Snaps

**Features**
- Pronged 10mm Sockets
- Pronged 10mm Studs
- Easily Installs Onto Rubber or Vinyl Mats

| Part Numbers | |
| --- | --- |
| CS1010 | Clinch Snap, 10mm, Female |
| CS1020 | Clinch Snap, 10mm, Male |

## Universal Snap Kit

**Features**
- Installs a 10mm Snap Into Almost All Surfaces 10mm Socket & Stud
- Two Screw Lengths
- Base and Washer

| Part Numbers | |
| --- | --- |
| CS1090 | Universal Snap Kit |

## Rivet Ground Snaps

**Features**
- Fast and Easy Installation of Ground Point In Mats
- 10mm Socket or Stud
- 100 Snaps Per Bag

| Part Numbers | |
| --- | --- |
| CS0122-Stud | Snap, Male |
| CS0122-Socket | Snap, Female |

## Snap Screw Set

**Features**
- Provides a 10mm Stud
- Includes a Screw Base to Install in Work Surface

| Part Numbers | |
| --- | --- |
| CS0123 | Snap Screw Set, 10mm Stud |

## Ring Terminal Banana Jack

**Features**
- Ring Terminal Banana Jack Creates A Ground Point for Coil Cords Wrist Straps
- Accepts Standard Banana Plugs

| Part Numbers | |
| --- | --- |
| CS0126 | Ring Terminal Banana Jack |

## Snap Adapters

**Features**
- Converts 10mm Snaps To Male or Female
- Compatible with most Common Snaps

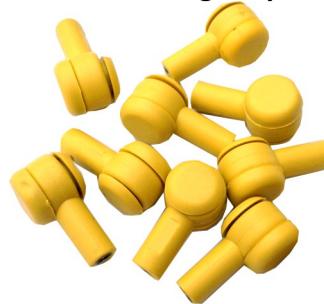| Part Numbers | |
| --- | --- |
| CS0128-Socket | Socket to Socket |
| CS0128-Stud | Stud to Stud |

## Ground Outlet Adapter

**Features**
- Easily Coverts Outlets to a Ground Point
- Fits Common Banana Plugs
- Color: Black

| Part Numbers | |
| --- | --- |
| AD22 | Ground Outlet Adapter |

## Molded Stacking Snap

**Features**
- Molded Stacking Snap allows Connection of Banana Plug
- Male and Female Snap
- Fits Most Banana Plugs

| Part Numbers | |
| --- | --- |
| CS0127 | Molded Stacking Snap |

# AC Ionizers

## BFN AC Ionizers Technology

The BFN series ionizers, with inherently stable AC technology, provides excellent balance and rapid charge decay for secure workstation protection. The BFN series use corona ionizing technology to produce a balanced output of positive and negative air ions. Typical ion balance of the BFN series is less than ±10 volts and decay times can be less than 2 seconds (1000v to 100v per ANSI/ESD STM3.1). The BFN series is available in four models and each is ruggedly built using a steel enclosure and quality components. Regular cleaning of the emitter points is made easy on the BFN series ionizers as they include integrated emitter point cleaners.

All BFN Model Ionizers Include:
- A Full 1 Year Warranty
- CE Certification
- Integrated Emitter Point Cleaners
- Titanium Alloy Emitter Points for Long Life
- Rugged Steel Enclosures

## BFN802 & BFN803 Overhead Ionizers

The BFN overhead ionizing blowers combine excellent ESD performance with user friendly features to create the premier overhead ESD workstation solution. The ionizers are equipped with energy efficient LED task lights to help alleviate eye strain and headaches - all while saving on energy costs. User friendly features such as integrated emitter point cleaners, removable front and rear fan guards, and safety switches provide for safe operation and easy maintenance access.

**Features:**
- Two and Three Fan Versions
- High Efficiency LED Lighting
- Overhead Installation Frees Up Workspace
- Integrated Emitter Cleaners
- Removable Finger Guards with Auto Shut-Off Sensor
- Typical Balance: +10volts

**BFN802 Specifications:**
Decay Time: <3 sec. @ 18"
Size: 6.75"H x 23"W x 3.35"D
Weight: 12.8lbs
Power: 120VAC, 60 Hz., 70W
       220VAC, 50 Hz.
Air Volume Output:
(Low)100 CFM - (High) 200 CFM
Effective Coverage: 2' x 3' area

**BFN803 Specifications:**
Decay Time: <3 sec. @ 18"
Size: 6.75"H x 38.78"W x 3.35"D
Weight: 18.7lbs
Power: 120VAC, 60 Hz., 70W
       220VAC, 50 Hz.
Air Volume Output:
(Low)150 CFM - (High)300 CFM
Effective Coverage: 2' x 4' area

**Transforming Technologies ESD Solutions**

IONIZERS

# BFN801 Bench Top Blower

Provides consistent static elimination for a standard table top work area. Designed to protect the most sensitive electronic devices, the BFN801 uses corona ionizing technology to continuously produce a balanced output of positive and negative air ions to neutralize static charges. Easy to maintain and service.

**Features:**
- Small Footprint Frees Valuable Work Space
- Built In Emitter Point Cleaners
- Rugged Steel Construction
- Typical Balance: ±10volts

**Specifications:**
Decay Time: <2 sec. @ 12"
Size: 10.25"H x 7"W x 3.75"D
Weight: 8.25lbs
Power: 120VAC, 60 Hz., 36W
     220VAC, 50 Hz.
Air Volume Output:
(Low) 50 CFM- (High) 100 CFM
Effective Coverage: 1' x 5' Area

# BFN8412 Extended Range Blower

The extended range ionizing blower is designed to cover a broad 3' x 6' area. The BFN8412 uses AC technology to continuously produce a balanced output of positive and negative air ions over a large area. An integrated heater warms the air for operator comfort. A built-in emitter point cleaner makes maintenance a breeze.

**Features:**
- Reliable AC Output
- Extended Performance Range
- Integrated Heater and Emitter Cleaner
- Removable Finger Guards with Auto Shut-Off Sensor
- Typical Balance: ±10volts

**Specifications:**
Decay Time: <1.5 sec. @ 12"
Size: 19.7"H x 7.28"W x 7.9"D
Weight: 15.2lbs
Power: 120VAC, 60 Hz., 350W(max)
     220VAC, 50 Hz.
Effective Coverage: 3' x 6' area

# StaticAIRE™ Still Air Ionizer

The StaticAIRE™ IN1000 Still Air Ionizer quickly and effectively eliminates static without using airflow. It's designed for use in a variety of localized applications where space is limited, and is ideal for installation inside equipment. The IN1000 is an ideal product for mini-environments, analytical laboratories and cleanrooms.

**Features:**
- Removes Static with No Air Flow
- Ideal Where Space Is Limited or Inside Equipment
- Easy Balance and Decay Adjustment
- Typical Balance: ±25volts

**Specifications:**
Decay Time: <15 sec. @ 12"
Size: 5.5"H x 5.0"W x 2.5"D
Weight: 2lbs
Power: 100-240VAC, 50/60 Hz.
Certifications: CE

# Ptec AC Ionizers

## Ptec™ Ionizer Technology

Ptec™ static elimination devices use a specialized piezo technology that offers exceptionally fast static decay capabilities with excellent balance stability, all in a small footprint.  Ptec™ ionizers produce a 68KHz AC output of approximately 2200V and a continuous stream of balanced air ions. Ptec™ ionizers save time and money because they require no calibration. Emitter life is increased and maintenance frequency is reduced due to 68KHz AC ion emission.

All Ptec™ Ionizers Include:

- A Full 1 Year Warranty
- CE Certification
- High Voltage Alarm
- Titanium Alloy Emitter Points for Long Life

## IN5110 Bench Top Blower

Small, stable and quite with unmatched performance, the IN5110 provides fast decay of static charges over a targeted workstation or area. A lightweight and compact design combined with an adjustable blowing angle makes the IN5110 a versatile bench top solution.  The ionizer features a removable fan guard for easy maintenance.

**Features:**

- Quickly Neutralizes Static Charges
- Stable Ptec™ AC Output
- Ionization Indicator and Alarm Light
- Variable Fan Speed Control
- Typical Balance: $\pm$10volts

**Specifications:**

Decay Time: <2 sec. @ 12"
Size: 7.5"H x 7.1"W x 2.7"D
Weight: 2.8lbs
Power: 24VDC, 12W, un-fused, 0.5A or 1.0A max
Air Volume Output: 115 CFM, High Speed

## IN5120 In-Tool Blower

Utilizing the small physical profile of the Ptec™  piezo technology, the IN5120 is small enough to fit inside many electronic manufacturing tools and powerful enough to provide reliable ESD protection.  The IN5120 is especially useful in space-constrained applications.

**Features:**

- Compact Size
- Stable Ptec™ AC Output
- Ionization Indicator and Alarm Light
- Typical Balance: $\pm$10Volts
- Easy to Install in Electronics Equipment

**Specifications:**

Decay Time: <3 sec. @ 12"
Size: 5.5"H x 5.5"W x 2.28"D
Weight: 1.4lbs
Power: 24VDC, 12W, un-fused, 0.5A or 1.0A max
Air Volume Output: 32 CFM, High Speed

## IN6430 Ionizing Gun



Integrates best-in-class AC performance with mechanical and ergonomic design features to create a superior and affordable package. We eliminate high voltage cables by locating the power supply in the ionizing gun handle. Our OSHA compliant emitter nozzle protects both the operator and ionizer.

**Features:**

- Fast Charge Decay
- Integrated Air/Power Cable
- Optional .01 Micron Filter
- Balanced to 0+30 Volts

**Specifications:**

Decay Time: <2 sec. @ 12"
Size: Hand Unit: 8.5"H x 4"W x 1"D
        Console: 3.5"H x 6.25"W x 1.5"D
Weight: 1.12lbs
Air/Gas Pressure: 20psi min, 75psi max
Power: 100-240 VDC, 50/60Hz., un-fused, 0.5A or  1.0A max

## IN1200 Series Ion Bars

With the combination of programmable AC technology and a unique design, the IN1200  provides uniform static elimination at high speeds. The remote controlled  IN1200 quickly and efficiently controls static in mini-environments, laminar flow hoods and wide-area workstation applications. It is a highly effective tool in electronics, plastics, chemicals, printing, textile, optical and other industries. Available in 22", 44" or 64" lengths.
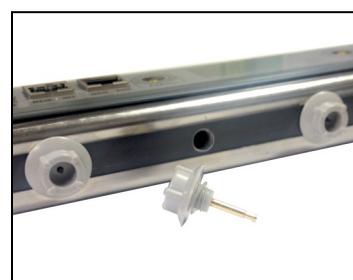
**Features:**

- Programmable AC Ionizing Technology
- Remote Control Operation
- Unique Aerodynamic Design
- Patented Molded Emitter
- LED Readout
- Available with Silicon Points

**Specifications:**

Decay Time: <2 sec. @ 12"
Length: L 22", 44" and 64"
Power: 120VAC, 60 Hz., 36W
            220VAC, 50 Hz.
Air Pressure:  70psi



Patented Molded Emitter

## IN5130 Overhead Ionizer



The IN5130 easily provides fast static charge decay over a standard work surface area.  It hanging installation saves valuable workspace. The IN5130 overhead ionizers are  designed to be daisy-chained for easy integration into the manufacturing environment.

**Features:**

- Stable Ptec™ AC Output
- Daisy-Chain Design
- Variable Fan Speed Control
- Balanced to 0+10 Volts

**Specifications:**

Decay Time: <6 sec. @ 24"
Size: 2.5"H x 39.4"W x 5.75"D
Weight: 11.0lbs
Power: 100-240 VAC, 36W, un-fused, 0.5A or  1.0A max
Air Volume: Output 300 cfm, High Speed

**IONIZERS**

# IN3425 Air Ionizing Nozzle

The small sized enables ionization in hard to reach areas.  It can be mounted inside machines, along assembly lines or other confined areas. The IN3425 works efficiently with clean, dry air and nitrogen. Available with a photoelectric switch for automatic operation.  Optional nozzle tips change the flow of ionized air for a truly customizable solution.

**Features:**
- Fast Charge Decay
- Optional Nozzle Tips
- Optional .01 Micron Filter
- Typical Balance: ±10volts
- Available with Photoelectric Switch (p/n IN3425PE)

**Specifications:**
Decay Time: <1 sec. @ 24"
Size: 2.0" x 7.1" x 2.7"
Weight: 1.0lbs
Air/Gas Pressure: 5psi min, 100psi max
Power: 24 VDC, 12W, un-fused, 0.5A or  1.0A max
Gas Tube: 1/4" OD

# IN4000 AirFlex Ionizing Nozzle

The flexible nozzle neck frees the operator's hands during assembly and manufacturing processes. A foot pedal or photoelectric eye controls both ionization and airflow, which reduces compressed air costs and extends the life of the ionizer.

**Features:**
- Fast Charge Decay
- Flexible Metal Neck
- Works with IN3425 Nozzle Tips
- Optional .01 Micron Filter (pn FL0030)
- Footswitch or Photoelectric Eye Operation (pn IN4000PE)
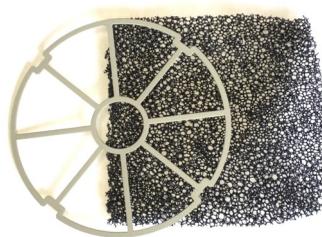- Typical Balance: ±10volts

**Specifications:**
- Decay Time: <2 sec. @ 24"
- Size: 12"H x 5.75"W x 7.25"D
- Weight: 28lbs
- Power: 100-240VCA, 50/60Hz, un-fused, 0.5A or  1.0A max
- Air/Gas Pressure: 10psi min, 100psi max
- Gas Tube: 1/4" OD

# Ionizers Accessories

## Ionizers Filters

**FL0020:**
IN4000 Series Filter
IN3525, IN3525PE
IN4000, IN4000PE

**SPBFN28, 29**
BFN Series Filter
BFN801, BFN802, BFN803

**FL0030:**
IN6430 Series Filter
IN6430

# Ionizers Nozzle Tips

Transforming Technologies' ionizing nozzles can handle unique and difficult point-of-use ionization applications with interchangeable nozzle tips. Compatible with IN3425, IN3425PE, IN4000, IN4000PE and IN6430

**Nozzle Tips:**
A: N0010: Standard 15°
B: N0020: Wide Angle
C: N0030: Luer Lock
D: N0040: Long Range
E: N0050: Bendable
F: N0060: Manifold

# ESD JACKETS

## 9010 ESD Jackets

Transforming Technologies 9010 ESD Jackets provide high quality ESD protection at great value with a light weight blend of 90% polyester and 10% conductive fiber fabric. The 9010 Series garments maintain consistent continuity readings for up to 100 wash cycles and are certified as a groundable garment, the highest ESD standard for garments. Features include a snap front closure, wrist-adjustment snaps, three roomy patch pockets, and lapel-style collars.

**Features**

- 90% polyester / 10% carbon
- Surface Resistivity: $<10^6$
- Garments are available in light blue, teal, maroon, white and black.
- Adjustable three snap cuff for proper fit.

### Five Colors Available!
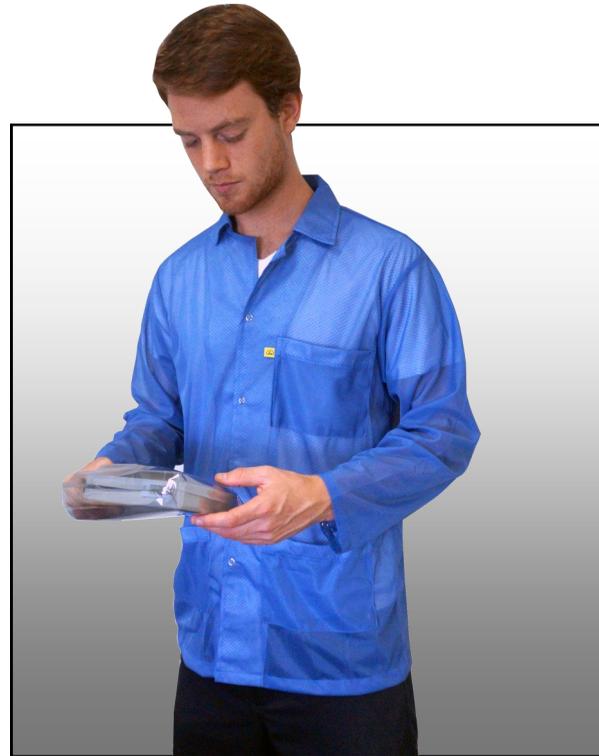
The 9010 Jackets' blend of polyester and cotton provides excellent ESD protection at great value.

**Lapel Collar
ESD Jacket
*90% Polyester,
10% Carbon***

- Lapel Collar
- Snap Closure
- Three Snap Cuff
- 3/4 length

## Custom Embroidery Services

We offer custom logos and name identification on all of our jackets. We can print your logo, your name, or just about anything you can think of with no minimum order quantities. The markings are soft and breathable and designed to withstand washing for the life of the jacket.

| Part Number | Snap Cuff |
|---|---|
| Light Blue | JKC90(SIZE*)SPLB |
| White | JKC90(SIZE*)SPWH |
| Teal | JKC90(SIZE*)SPTL |
| Black | JKC90(SIZE*)SPBL |
| Maroon | JKC90(SIZE*)SPMR |

*Use Numbers: SM(22) M(23) L(24)
XL(25) 2XL(26) 3XL(27) 4XL(28) 5XL(29)

# ESD JACKETS

## 5049 Cotton Poly ESD Jackets

The valuable combination of blending polyester and cotton makes 5049 garments more comfortable to wear than polyester garments. Superior workmanship provides reliable panel to panel continuity of the garment. The 5049 Series Garment maintains consistent continuity readings for up to 100 wash cycles.  Available in a waist length jacket or full length lab coat.

**Features**

- 66% polyester / 32% cotton / 2% carbon fabric blend for a comfortable feel
- Surface Resistivity:  $10^6$
- Garments are available in blue and white
- Adjustable snap cuff for proper fit
- ESD cuff with snap-to-ground feature is also available.

**Two Colors Available!**

The 5049 Jackets' blend of cotton and polyester makes for unmatched comfort. *Shown with knit cuffs.*

**Lapel Collar ESD Jacket**
*66% Polyester, 32% Cotton, 2% Carbon*

- Lapel Collar
- Snap Closure
- Snap or Knit Cuff
- Waist Length

| Part Number | Snap Cuff | Knit Cuff |
|---|---|---|
| Light Blue | JWC54(SIZE*)SPLB | JWC54(SIZE*)LB |
| White | JWC54(SIZE*)SPWH | JWC54(SIZE*)WH |

*Use Numbers: SM(02) M(03) L(04)
XL(05) 2XL(06) 3XL(07) 4XL(08) 5XL(09)

**Lapel Collar ESD Lab Coat**
*66% Polyester, 32% Cotton, 2% Carbon*

- Lapel Collar
- Snap Closure
- Snap or Knit Cuff
- Full Length

| Part Number | Snap Cuff | Knit Cuff |
|---|---|---|
| Light Blue | JLC54(SIZE*)SPLB | JLC54(SIZE*)LB |
| White | JLC54(SIZE*)SPWH | JLC54(SIZE*)WH |

*Use Numbers: SM(02) M(03) L(04)
XL(05) 2XL(06) 3XL(07) 4XL(08) 5XL(09)

APPAREL

# ESD JACKETS

## 8812 Light Weight ESD Jackets

Transforming Technologies' lightweight garment, the 8812 jacket is the ideal tool for protecting your most sensitive products while keeping cool and comfortable. The 8812 is fabricated from 88% lightweight polyester and 12% carbon fabric for unmatched operator comfort. Superior workmanship provides reliable panel-to-panel continuity that maintains consistent readings for up to 100 wash cycles.

**Features**

- 88% Polyester / 12% Carbon Fabric
- Surface Resistivity: $6.98 \times 10^5$
- Available in Blue, White, and Maroon
- Lapel Collar or V-neck
- Adjustable Snap Cuff for Proper Fit
- Hip-to-Cuff Grounding is also Available

### Three Colors Available!

The 8812 Series Jackets are light weight and breathable. *Shown with knit cuffs.*

**Lapel Collar ESD Jacket**
*88% Polyester, 12% Carbon*
- Lapel Collar
- Snap Front
- Snap or Knit Cuff
- 3/4 Length

| Part Number | Snap Cuff | Knit Cuff |
|---|---|---|
| Light Blue | JKC88(SIZE*)SPLB | JKC88(SIZE*)LB |
| White | JKC88(SIZE*)SPWH | JKC88(SIZE*)WH |
| Burgundy | JKC88(SIZE*)SPBG | JKC88(SIZE*)BG |

*Use Numbers: SM(02) M(03) L(04) XL(05) 2XL(06) 3XL(07) 4XL(08) 5XL(09)

**V-Neck ESD Jacket**
*88% Polyester, 12% Carbon*
- V-Neck Collar
- Snap Front
- Snap or Knit Cuff
- 3/4 Length

| Part Number | Snap Cuff | Knit Cuff |
|---|---|---|
| Light Blue | JKV88(SIZE*)SPLB | JKV88(SIZE*)LB |
| White | JKV88(SIZE*)SPWH | JKV88(SIZE*)WH |
| Burgundy | JKV88(SIZE*)SPBG | JKV88(SIZE*)BG |

*Use Numbers: SM(21) M(22) L(23) XL(24) 2XL(25) 3XL(26) 4XL(27) 5XL(28)

# ESD GLOVES

## High Temp ESD Hot Glove

Have static protection and heat protection in a clean room compatible glove. FG gloves use monofilament Nomex® woven fabric suffused with carbon fiber and enhance the heat protection with a 100% inner insulating tricot knit polyester fabric liner. Gloves resist up to 572° F (300°C). Available in 11" and 16" in Small, Medium, Large, XL and 2XL.



**11**

| Part Numbers | |
|---|---|
| FG2601 | Gloves 11" Small |
| FG2602 | Gloves 11" Med |
| FG2603 | Gloves 11" Large |
| FG2604 | Gloves 11" X-Large |
| FG2605 | Gloves 11" 2X-Large |



**16"**

| Part Numbers | |
|---|---|
| FG3901 | Gloves 16" Small |
| FG3902 | Gloves 16" Med |
| FG3903 | Gloves 16" Large |
| FG3904 | Gloves 16" X-Large |
| FG3905 | Gloves 16" 2X-Large |

## High Temp ESD Hot Sleeve



| Part Numbers | |
|---|---|
| FG6200 | ESD Hot Sleeve |

## Mid Temp ESD Hot Glove

GL9100 series ESD safe hot gloves use a polyester knit fabric suffused with carbon fiber for ESD protection. Gloves resist up to 302°F(150°C).



**14"**

| Part Numbers | |
|---|---|
| GL9101 | ESD Hot Gloves 14" Small |
| GL9102 | ESD Hot Gloves 14" Med |
| GL9103 | ESD Hot Gloves 14" Large |
| GL9104 | ESD Hot Gloves 14" X-Large |

## Inspection Gloves

ESD inspection gloves are designed to be worn when handling ESD susceptible items when cleanliness and tactile feel are important. The gloves are made with dissipative ($10^5$-$10^8$ ohms) conductive fibers to reduce charge generation. Available with polyurethane coated finger tips or palms, dotted palms or plain to minimize fingerprints and scratches on film or other products. Sizes: X-small, Small, Med, Large, X-Large and 2X-Large.

### Uncoated



| Part Numbers | |
|---|---|
| GL4501 | Plain, X-Small |
| GL4502 | Plain, Small |
| GL4503 | Plain, Med |
| GL4504 | Plain, Large |
| GL4505 | Plain, X-Large |
| GL4506 | Plain, 2X-Large |

### Coated Palm



| Part Numbers | |
|---|---|
| GL4501P | Palm Coat, X-Small |
| GL4502P | Palm Coat, Small |
| GL4503P | Palm Coat, Med |
| GL4504P | Palm Coat, Large |
| GL4505P | Palm Coat, X-Large |
| GL4506P | Palm Coat, 2X-Large |

### Coated Finger Tips



| Part Numbers | |
|---|---|
| GL4501T | Tip Coat, X-Small |
| GL4502T | Tip Coat, Small |
| GL4503T | Tip Coat, Med |
| GL4504T | Tip Coat, Large |
| GL4505T | Tip Coat, X-Large |
| GL4506T | Tip Coat, 2X-Large |

### Dotted Palms



| Part Numbers | |
|---|---|
| GL4501D | Dotted, X-Small |
| GL4502D | Dotted, Small |
| GL4503D | Dotted, Med |
| GL4504D | Dotted, Large |
| GL4505D | Dotted, X-Large |
| GL4506D | Dotted, 2X-Large |

# ESD TEST STATIONS

## PGT120

A quick and accurate wrist strap and footwear tester that indicates results with audible and visual signals. A relay with a dry contact provides the connection to a barrier system, such as a door. In combination with a barrier gate, the footwear measurement can be performed in series without pressing a button (hands-free mode).

**Features:**
- Independently Test Both Feet & Wrist Strap
- Adjustable Limits and Functions with DIP Switches
- Wrist Strap Range: 1Meg~35Meg Ohm (Default)
- Footwear Range: 1Meg~100Meg Ohm (Default)
- Dry Contact Connection to Barrier System
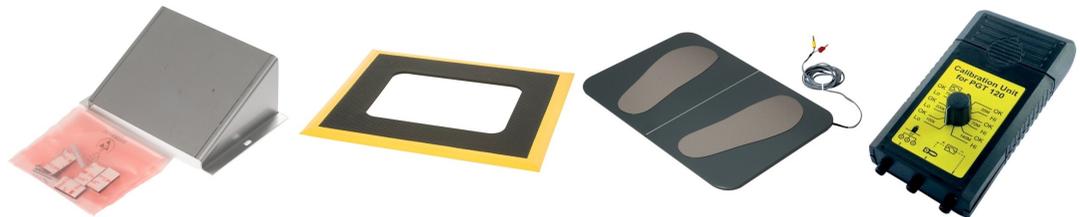
## PGT120.COM - Data Management with RS232 Interface

The PGT120.COM includes an additional RS232 interface to process measurement data and test results in a data base. A computer or a terminal can be connected to the serial RS232 interface. The following data is available in ASCII format:

- Value Footwear in Series:        Value in kOhm
- Value Wrist Strap System:        Value in kOhm
- Value of Left Foot:              Value in kOhm
- Value of Right Foot:             Value in kOhm
- Test OK:                         OK
- Test Failed:                     Error no.

## Data Terminal Integration

Pair the unit with the PGT120.COM Data Terminal and you receive real-time ESD testing with personnel identification, access control and central data maintenance. Also connect to a number of accessories such as a label printer, bar code scanner, RFID, database server and much more.

- Ready to integrate into existing infrastructure
- Multiple PGT120.COM stations can be networked
- Existing identity cards or time attendance cards can be re-used
- Open database interface
- Measurement data is ready to process after a few seconds
- Various databases can be used
- Combination with existing access systems is possible
- Secure network communication
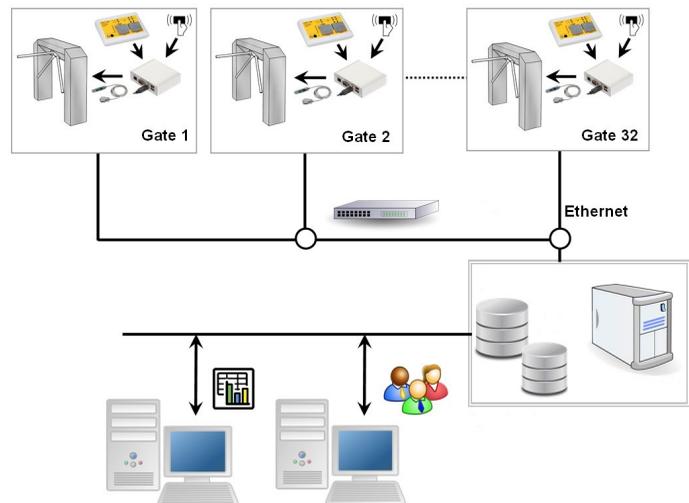
# GROUNDING TEST STATIONS

## PDT700K



Easy, accurate, and time saving one-touch digital ground tester. Simultaneously and independently test both feet and a wrist strap while filtering out human body noise. The proactive "Near-Fail" indicator alerts the user that the ESD grounding device under test is nearing failure levels.

**Features:**
- Near-Fail Alert
- 100% Independently Test Both Feet
- Human Body Noise Filtration
- Wrist Strap Test Limits: 1Meg~35Meg Ohm (Default)
- Footwear Circuit : 1Meg~100Meg Ohm (Default)

## PDT800K



Comprehensive, accurate tool to fully meet your daily ESD checking needs. Independently tests the left and right foot along with wrist band. Innovative LCD screen will instantly display the test result and the measured resistances. The proactive "Near-Fail" indicator alerts the user that the ESD grounding device under test

**Features:**
- Digital Readout
- Near-Fail Alert
- 100% Independently Tests Both Feet
- Human Body Noise Filtration
- Wrist Strap Test Limits: 1Meg~35Meg Ohm (Default)
- Footwear Circuit : 1Meg~100Meg Ohm (Default)

## GTS600K



Space saving, versatile combo grounding tester that allows for accurate and cost effective testing of ESD ground devices. A dual test circuits gives the option for both wrist strap and footwear testing and a positive rocker switch makes test mode selection easy.

**Features:**
- Positive Rocker Mode Selection Switch
- Wrist Strap Test Limits: 750K~10Meg Ohm (Default)
- Footwear Circuit : 750K~100Meg Ohm (Default)

## GTS600K



Deluxe three-state touch tester designed for fast and accurate testing of ESD ground devices. A unique dual test circuit eliminates the need for separate wrist-strap and foot grounder testers which saves money and space. Both feet can be tested at the same time.

**Features:**
- 100% Independently Tests Both Feet
- 9 Volt Test
- Molded Foot Plate
- Wrist Strap Test Limits: 750K~12Meg Ohm (Default)
- Footwear Circuit : 750K~120Meg Ohm (Default)

TEST AND MEASURMENT

**Transforming Technologies ESD Solutions**

# SURFACE RESISTANCE METERS

## METRISO® 3000 High Resistance Test Kit



The METRISO® 3000 is a digital high resistance tester capable of measuring point-to-point resistance and resistance-to-ground measurements with a large test range of 1 kOhm to 1,2 TOhm . The meter includes an integrated data logger with a USB communication port for data transmission, temperature and relative humidity sensor, PC software for Windows, two disk probes, a hand-held probe with connecting cable, and a conductive carrying case fitted with dissipative pink foam.

**Specifications:**
- Test Range: 1K Ohm -10T Ohm
- Test Voltage / Test Current: 1 mA $\leq$ I $\leq$ 1,3 mA
- Operation: Rechargeable Batteries
- Probes: Two 5lbs with Conductive Rubber
          One Hand-Held Probe
- Complies with ANSI20.20



**Features:**
- Measures Large Test Range
- Measures Temperature and Humidity
- Records Test Values & Creates Reports via USB PC Connection
- Conductive Carrying Case

## METRISO®B530 Surface Resistance Test Kit

A test kit for suitable for testing surface resistance ESD compliance testing. The Metriso® B530 test kit includes a digital high resistance test meter, two disc probes, an extension handle for floor measurements, a hand-held probe with connecting cable, and a conductive carrying case fitted with dissipative pink foam.



**Features:**
- Suitable for ESD Compliance Testing
- Two 5 Pound Disk Probes,
- One Flooring Extension Probe Handle
- Handheld Probe
- Carrying Case

**Specifications:**
- Test Voltage / Test Current: 1 mA $\leq$ I $\leq$ 1,3 mA
- High Ohmic range: DC 10V,100V, & 500V
- Test Range: 1-10kOhm, 1kOhm - 199kOhm
- Operation: Battery Operated
- Complies with ANSI20.20

# SURFACE RESISTANCE METERS

## Digital Surface Resistance Kit

### SRM500K

Accurately and quickly measures resistance between two points (RTT) and surface-to-ground resistance (RTG). Suitable for factory audits and test lab evaluations, the Ohm Metrics SRM500K also measures ambient temperature and humidity.

**Features:**
- Measures Temperature and Humidity
- Probes: Two 5 Pound Disk Probes
- Carrying Case
- Test voltage: 10V/100V
- Accuracy: + 5%

**Specifications:**
- 10v and 100v Voltage Selection
- Automatic Zeroing and Power Shut Off
- Two 5lb Disk Probes
- Built-in Probes on Back of Meter for Quick Tests

## Travel Resistance Test Kit

### SRM330

The ultimate travel kit for testing resistance. The battery powered SRM330 is equipped with built-in parallel probes for quick surface measurements and includes two lightweight "travel" probes that eliminate the cumbersome weight of standard kits.

**Features:**
- Lightweight Kit Make Travel Easy
- Probes: Two Travel Pressure Probes
- Carrying Case

## Portable Resistance Meter with Data Storage

### SRM200

A portable meter that records test data into memory that can be accessed a USD connection to a computer. Two external probes can be connected. Measures temperature and humidity as well.

**Features:**
- Small, Portable Size
- Read Test Values via USB connection
- Measures Temperature and Humidity
- Power: Replaceable 9V Battery
- Carrying Case
- Optional 5lb Weight Kit Available - SR0065

## Portable Resistance Meter

### SRM310

Portable meter for basic periodic RTT and RTG measurement of dissipative and conductive surfaces.  Built-in probes on the back of the meter and can paired with two external probes.

**Features:**
- Small, Portable Size
- Power: Replaceable 9V Battery
- Carrying Case
- Optional 5lb Weight Kit Available - SR0065

**Transforming Technologies ESD Solutions**

# *RESISTANCE PROBES*

## 5lb Disc Probes

Pair with a Surface Resistance Meter to RTG, RTT, and other resistance measurements.

**SR0065    5lb Probe**

## Two Sided Concentric Ring

One side is a concentric ring, the other is a 5lb disc probe. Performs many resistance measurements.

### Part Numbers

**890    Two Sided Probe**

## Temperature and Humidity  Sensor

Take temperature and humidity tests while performing resistance measurements.

### Part Numbers

**TF530    Temp/Humidity Sensor**

## Handheld Probe

Test body voltage measurements and overall system resistance.

### Part Numbers

**7220.45    Handheld Probe**

## Backrest Probe

Designed to evaluate ESD chair back rests. Fitted with conductive contact points and a 4mm banana socket.

### Part Numbers

**900    Backrest Probe**

## Clamp Probe

Designed to evaluate ESD garments.  A wide stainless steel surface ensure excellent contact during testing.

### Part Numbers

**CL48    Clamp Probe**

TEST AND MEASURMENT

# ESD AUDIT KIT

The ESD Audit Kit includes the relevant test instruments and equipment needed to perform ESD audits according to ANSI ESD20.20 and IEC 61340-5-1 and for qualification and verification of ESD control elements. Choose between the MetrisoB530 standard resistance meter or the
Metriso3000 high resistance meter.

**7110.600.SET**

**Applications:**
- Evaluate packaging materials
- Evaluate garments
- Measure flooring, work surfaces and furniture resistance
- Measure electrostatic fields
- Measure temperature and relative humidity
- Analyze ionizers performance

**7110.B530.SET**

## The ESD Audit Kits includes the flowing products:

| Part Number | Description | 7110.B530.SET | 7110.600.SET |
|---|---|---|---|
| 7110.600 | Aluminum Case | X | X |
| 7100.B530.G | Metriso® 530B High Resistance Meter with connecting cables | X | |
| 7100.3000.G | Metriso3000 High Resistance Meter with connecting cables | | X |
| 7100.3000.TF | Temperature and humidity sensor Metriso® 3000 | | X |
| 7100.TF530 | Handheld Temperature and humidity sensor | X | |
| 7220.45 | Handheld probe model 45 | X | X |
| 7220.840 | Two Point Probe | X | X |
| 7220.880 | Ring Probe | X | X |
| 7100.SRM110 | Surface Resistance Meter, Pocket Size | X | X |
| 7100.EFM54.CPS | Electrostatic Field Meter with Charge Plate Set | X | X |
| 7220.850 | 850 - Two Five Pound Probes | | X |
| 7220.870 | 870 - Two Five Pound Probes | X | |
| 7220.870.V.SET | Extension rod for Probe model 870 | X | |
| 2200.110 | Grounding plug | X | X |
| 7110.E8 | 8-socket grounding box | X | X |
| 7100.2000.TR50 | Floor Mat Cable Reel | X | X |
| 7100.PGT100.102 | Metal Plate with 4mm banana plug adapter | X | X |
| 7220.880.6 | Insulative Plate | X | X |
| 7220.880.9 | Probe made of stainless steel | X | X |
| 7220.880.L | Guard cord, blue | X | X |

**Transforming Technologies ESD Solutions**

# STATIC FIELD METERS
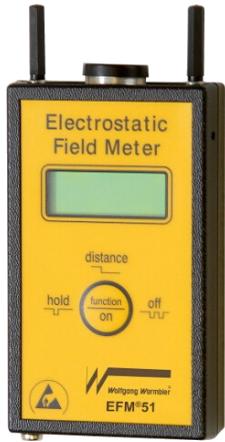
### EFM51

A convenient hand-held device to locate and measure static charges on surfaces. Its compact design and four button operation makes it easy to operate. Two LED guide ring lights help position the field meter at the right distance from a charged test object.   With accessories, you can also verify ionizers and  perform the Walking Test. See EFM51.WT on page 29 for more information.

**Features:**
- LCD Display
- Battery Operated
- Measurement Range:
  0 - 160 kV (Distance Mode)
  0 - 800 kV (Field Strength Mode)
- Measure Ionizer Decay and Balance (with EFM51 CPS.)
- Perform Walking Test (with EFM51.WT)

### EFM51.CPS

Charge Plate System for testing of an ionizers balance and decay with the EFM51.

### EFM115

A versatile static field meter used to locate and measure static charges and test the balance of air ionizers. Its compact design and four button operation makes it easy to operate.  An ionizer balance plate is built into the unit.

**Features:**
- Digital Display with Numerical Readout and Graphs
- Measurement Range:
  Static Voltage ± 0 ~ ± 1.49 kV (Low)
  ± 1.0 ~ ± 20.0 kV (High)
  Ion Balance Voltage: 0 ~ ± 200 V

### 282

A portable field meter used for detecting and measuring static potentials.  With the optional charger and plate (282.CPS), the 282 can be used to measure ionizer performance.

**Features:**
- Three Ring Projection
- Easy-to-Read Digital Display
- Measures Ionizer Performance with the 282.CPS

**282.CPS**

# CHARGE PLATE MONITORS

### 288B

Perform manual tests or program automated decay and balance tests. Offers on-board data storage to automate ionization system testing. Upload test set-ups and ionizer locations and download stored test results.

**Features:**
- Stores 1500 Tests, 500 Locations & 4 Protocols
- Manual and Automated Testing
- Fully Configurable Testing
- Software Included

### 287A

A low-cost and highly portable alternative to a charged plate monitor for periodic verification of ionizer performance. It permits ionizer testing at the work location without the need to remove the ionizer

**Features:**
- Test Balance and Decay
- Low Cost Vs. Performance Ratio
- Hand-held, Battery Operated
- Optional 6"x 6" Plate Attachment (287/22C)

# THE WALKING TEST

What is the Walking Test? When the primary method of grounding is footwear and an ESD floor, it is required to test the effectiveness of this system with the Walking Test according to ANSI/ESD S20.20.

For this flooring and footwear qualification test, you must measure the maximum voltages during the test and record them to a chart recorder or plotter. The voltage test consists of a walking pattern that was designed to simulate the actions of a person walking through the plant. The walking pattern is shown in Figure 1.
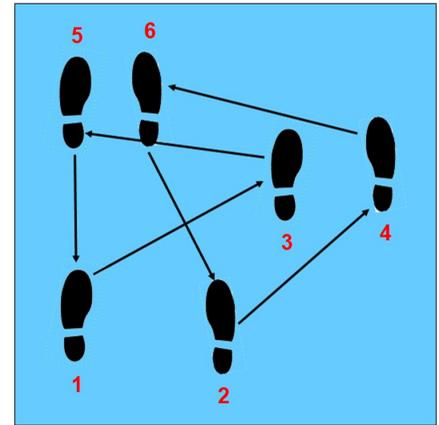


Figure 1.  Walking Test Pattern

## WT5000 Walking Test Graphing Kit

A complete system to measure the body voltage generated while walking, the result of which is graphed via a PC and shown with LED on the instrument. The graphing software can mark the five highest peaks automatically and calculates the average value which creates the graph needed to qualify an ESD flooring system.
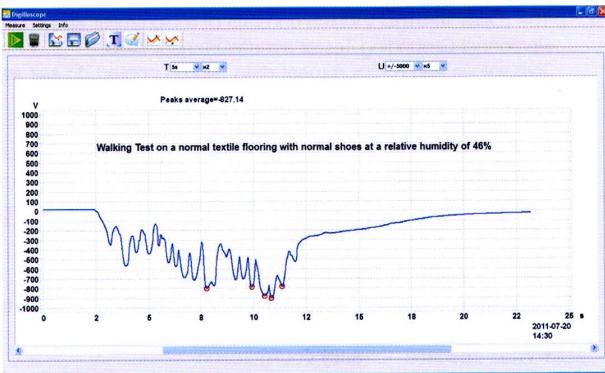




**Features:**
- Perform the Walking Test per  ANSI ESD S20.20
- Graphs Data via USB Connection to PC
- Handheld Electrode
- Carrying Case

**Specification:**
- Test range: ± 5,000 volts or ± 500 volts
- Accuracy: ± 5% of measured value
- Input resistance: > 1014 ohm
- Input capacitance: < 5 pFarad
- Output: Analog ± 5 volts for each test range
- Operation: Rechargeable batteries

## EFM51.WT Portable Walking Test Kit

A hand-held meter used to verify the performance of ESD floors in combination with a person. The meter captures the peak voltages while performing the walking test. The EFM51 meter also measures and detects electrostatic fields, surface potentials and discharge times (with optional charge plate accessory EFM51.CPS).





**Features:**
- Perform the Walking Test with Portable Field Meter
- Handheld Electrode
- Performs All Functions of a Static Field Meter
- Test Ionizer Performance with a Charge Plate Accessory
- Conductive Carrying Case

**Transforming Technologies ESD Solutions**

# ESD ACCESSORIES

## ESD Labels



**LB9010**   5/8" x 2"



**LB9020**   3/8" x 1-1/4"



**LB9030**   5/8" x 2"



**LB9040**   5/8" x 2"



**LB9050**   5/8" x 2"



**LB9060**   1" x 2-1/2"



**LB9201**   3" x 5"
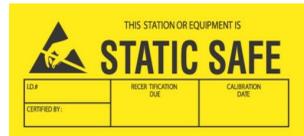


**LB9070**   1-3/4" x 3"



**MIL STD 129N/
Symbol**
**LB9083**   4" x 4"
**LB9082**   2" x 2"



**LB9100**   4" x 4"



**LB9081**   4" x 4"
**LB9080**   2" x 2"
**Removable Labels
Available**



**LB9160**   3-1/2" x



**LB9180**   1-3/4" x 2-



**LB9120**   1-3/4" x 2-
1/2"

## ESD Tapes

### Aisle Marking Tape



| Part Numbers | |
|---|---|
| AM2401 | Aisle Marking, 2" x 36 yd |
| AM3602 | Aisle Marking, 3" x 36 yd |

### Anti Static Tape



| Part Numbers | |
|---|---|
| CL1200 | Cellulose: 1/2" x 72 yd |
| CL1801 | Cellulose: 3/4" x 72 yd |
| CL2402 | Cellulose: 1" x 72 yd |
| CL4803 | Cellulose: 2" x 72 yd |

### Anti Static Tape, ESD Symbol



| Part Numbers | |
|---|---|
| CL1200-P | Cellulose, Print: 1/2" x 72 yd |
| CL1801-P | Cellulose, Print: 3/4" x 72 yd |
| CL2402-P | Cellulose, Print: 1" x 72 yd |
| CL4803-P | Cellulose, Print: 2" x 72 yd |

### Conductive Grid Tape



| Part Numbers | |
|---|---|
| CT1204 | Grid Tape, 1/2" x 36 meters |
| CT1805 | Grid Tape, 3/4" x 36 meters |
| CT2406 | Grid Tape, 1" x 36 meters |
| CT4807 | Grid Tape, 2" x 36 meters |

# *ESD ACCESSORIES*

## ESD Waste Baskets

**Features:**
- Conductive Carbon
- 7 Gallon Capacity
- ESD Symbol

### Part Numbers

WBAS28    ESD Waste Basket
WBASLP    Dissipative Trash Liner
WBASLB    Conductive Trash Liner

**Features:**
- Conductive Carbon
- 22 Gallon Capacity
- ESD Symbol

### Part Numbers

WBAS90    ESD Waste Basket

**Features:**
- Conductive Carbon
- 44 Gallon Capacity
- ESD Symbol

### Part Numbers

WBAS180    ESD Waste Basket

## Cleanroom Waste Basket

**Features:**
- Cleanroom Waste Basket
- Stainless Steel
- 7 Gallon Capacity

### Part Numbers

WBAS28MET    Cleanroom Waste Basket

## IDP-STAT ESD Badge Holder

**Features:**
- Permanently Dissipative Material
- Credit Card Size - Fits Most IDs, Business Cards
- ESD Symbol

IDENTIFICATION CARD
Name: Sally Williams
ID No: 1236626AB4
Issued: January 2011
Expires: December 2018
**WILLIAMS**
Coordinator, ESD Program

### Part Numbers

5221.3.IDP    ESD Badge Holder

## IDP-STAT ESD Sheet Protectors

**Features:**
- Dissipative
- Letter Size: 8.5" x 11"
- 2 mm Thickness
- Printed ESD Symbol

### Part Numbers

DC1185        Sheet Protectors
DC1185IDP    Perm. Dissipative

## ESD Pens

**Features:**
- Fine Point
- Black, Blue or Red Ink
- ESD Symbol

### Part Numbers

DC2000      ESD Pen, Black, Fine Point
DC2000R    ESD Pen, Red, Fine Point
DC2000BL  ESD Pen, Blue, Fine Point

## Static Safe Wiper

**Features:**
- No Abrasion
- Low Tribogeneration
- Size: 9" x 9"

### Part Numbers

WP6200    Pink Wiper, 9" x 9"

# ESD ACCESSORIES

## Tool Carriers

**Features:**
- Conductive Polypropylene
- Comfort Grip Handle
- Four Optional Insert Trays

| Part Numbers | |
| --- | --- |
| TC0839 | Tool Carrier, Conductive |
| TC0843 | Inserts, Conductive |

## ESD Microscope Cover

**Features:**
- Keep Microscope Optics Safe From Contamination
- Made from ESD Materials
- Won't Generate A Charge When Removed

| Part Numbers | |
| --- | --- |
| MC1221W | ESD Microscope Cover |

## ESD Workstation Cover

**Features:**
- Blue Dissipative Fabric
- 4mm Ground Snap
- ESD Symbol

| Part Numbers | |
| --- | --- |
| WC2436 | Size: 2' x 3' |
| WB4836 | Size: 3' x 4' |
| WB7236 | Size: 3' x 6' |

## ESD Dissipative Rubber Bands

**Features:**
- Dissipative Rubber
- Various Sizes Available

| Part Numbers | |
| --- | --- |
| TTRB1 | 6.25"x1/4" |
| TTRB2 | 4.75"x1/8" |
| TTRB3 | 6.25"x1/8" |
| TTRB4 | 4.00"x1/8" |
| TTRB5 | 4.75"x1/4" |
| TTRB6 | 3.00"x1/16" |
| TTRB7 | 4.75"x1/4" |
| TTRB8 | 7.50"x1/4" |
| TTRB10 | 4.50"x1/2" |

## ESD Socks

**Features:**
- Improves Contact With ESD Footwear
- Conductive Threads in Toe and Heel
- Ensures Electrical Connection To Ground

| Part Numbers | |
| --- | --- |
| SC0024 | Small, Pair |
| SC0026 | Medium, Pair |
| SC0028 | Large, Pair |

## ESD Conductive Rubber Bands

**Features:**
- Conductive Rubber
- Various Sizes Available

| Part Numbers | |
| --- | --- |
| TTCRB2 | 4.75"x1/8" |
| TTCRB3 | 6.25"x1/8" |
| TTCRB4 | 4.00"x1/8" |
| TTCRB5 | 4.00"x1/4 |
| TTCRB10 | 4.50"x1/2" |

## SMD Boxes

**Features:**
- Black or Transparent Lids
- Spring Loaded Lid
- Interlocking Tongue & Groove Connection
- 6 Drawer Compartment Box

| Black Lid | Transparent | Size |
| --- | --- | --- |
| SM0873 | SM0880 | 16 x 12 x 15 mm |
| SM0874 | SM0881 | 37 x 12 x 15 mm |
| SM0875 | SM0882 | 40 x 37 x 15 mm |
| SM0876 | SM0883 | 68 x 57 x 15 mm |
| SM0810 | Compartmented Box 6 drawers | |

## ESD Lotion

**Features:**
- Enhances Skin Contact with Grounding Straps
- Contaminate Free
- Contains Aloe & Moisturizers
- Clean Refreshing Scent

| Part Numbers | |
| --- | --- |
| HL0080 | ESD Lotion, 8oz |
| HL0020 | ESD Lotion, 2oz |

**Transforming Technologies ESD Solutions**

# TRANSFORMING TECHNOLOGIES
## OUTSTANDING ALTERNATIVES IN STATIC CONTROL

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