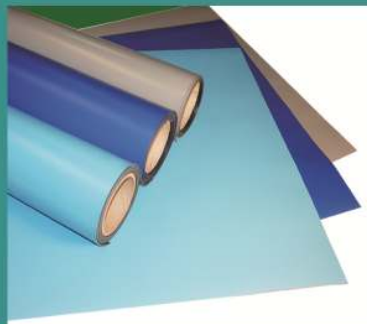




TRANSFORMING TECHNOLOGIES

OUTSTANDING ALTERNATIVES IN STATIC CONTROL



IONIZATION

MATTING

APPAREL

GROUNDING

TEST EQUIPMENT

STATIC CONTROL PRODUCT CATALOG

Knowledge, Value, Service...StaticCare™

www.transforming-technologies.com

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

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Hours:

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8:30am - 5:30pm

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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.

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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



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:

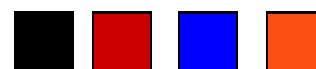
- Resistor: 1 Meg
- Strap: Stretch Velcro
- Rubber Exterior: <10⁵ohms
- Size: 1.25" Wide
- Ribbon: 18" Conductive Yarn
- Closure: Velcro



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
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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: <10⁵ohms
- 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: <10⁵ohms
- Size: 1.37" Wide
- Ribbon: 18" Conductive Yarn
- Closure: Velcro

Part Numbers

HG1390S	Hi-Vis Yellow, 1 Meg, Velcro
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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 adhesive.

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
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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
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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

Compatible with Resistance Monitors on page 7.



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
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SINGLE WIRE WRIST STRAPS



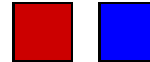
Features

Single Wire Wrist Strap sets are a versatile and effective method of grounding personnel that allows the skin to breathe. The band uses hypoallergenic 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 conductivity 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'

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



Specifications:

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

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
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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.

RESISTANCE RANGER CONSTANT MONITORS



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 workbenches 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				



Pre-cut mat kits

MT2500 Series Two Layer Rubber

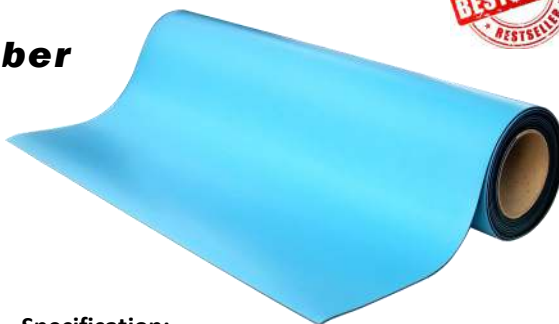
Manufactured from the same premium NBR rubber as the MT4500 series but 0.060" thick. Available in rolls or cut mats with grounding hardware installed.

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				

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.

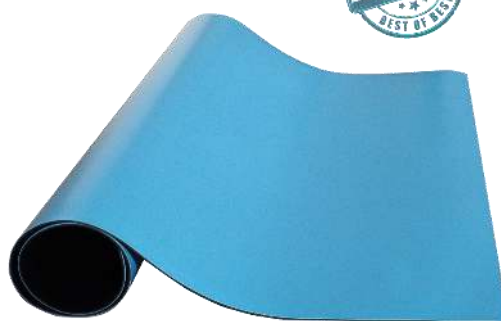
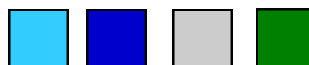
Size	Part No.	Part No.	Part No.	Part No.
Roll Sizes	24" x 40'	30" x 40'	36" x 40'	48" x 40'
Part Number	MTT2440B	MTT3040B	MTT3640B	MT4840B
Mats Kits	Comes cut to length with grounding hardware - Call For Other Sizes			
24" x 36"	24" x 48"	24" x 72"	36" x 48"	36" x 72"
MTT2436B	MTT2448B	MTT2472B	MTT3648B	MTT3672B
Replace "B" with "RB" for Royal Blue, "GY" For Gray, and GN for Green				



Specification:

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

Four Colors Available!



Three Colors Available!



Four Colors Available!

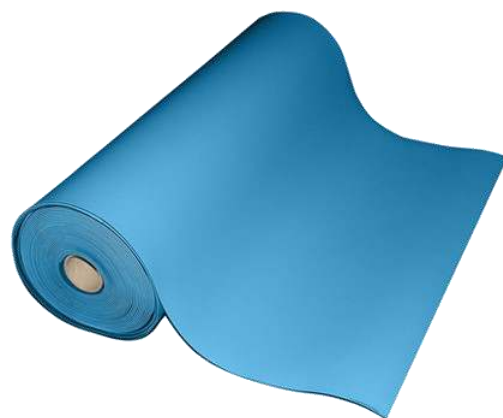


TABLE MATTING

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.	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				



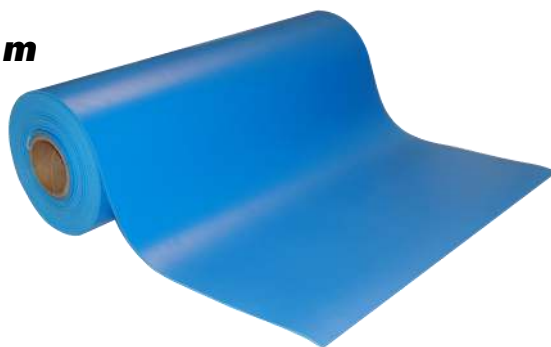
Specification:

- 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.	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				



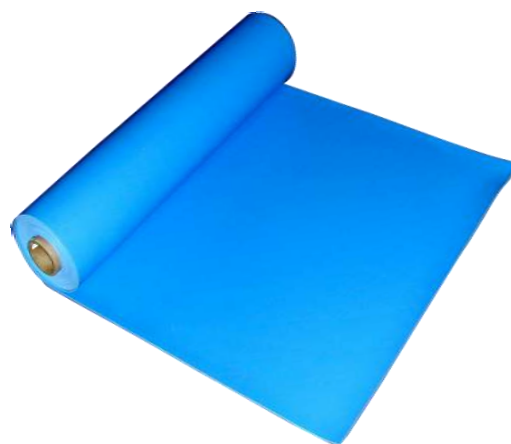
Specification:

- 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.	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

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: 5.68×10^7
- Very Soft



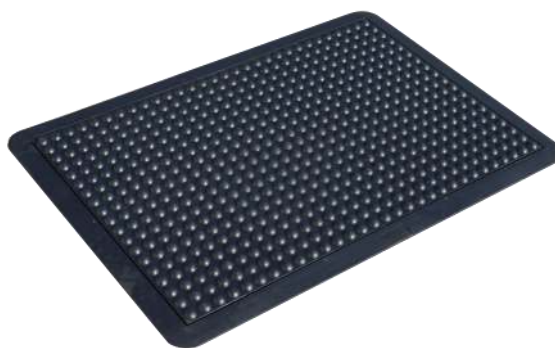
ComfortDOME™ Anti-Fatigue Mats

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



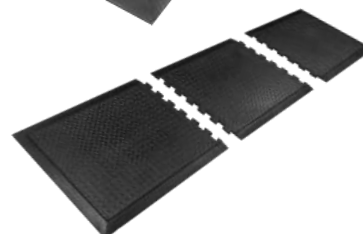
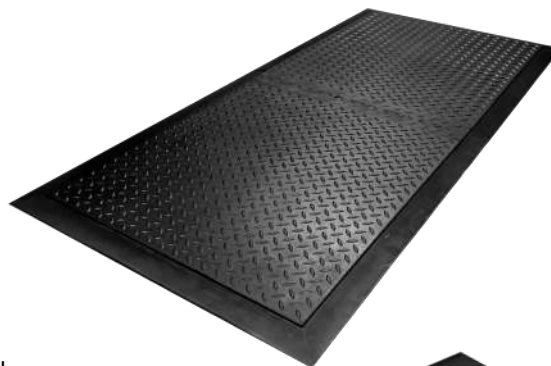
ComfortTREAD™ Anti-Fatigue Mats

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

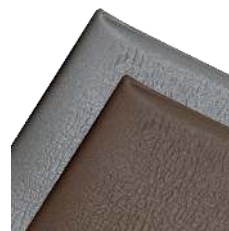
VinylSTAT™ Anti-Fatigue Mats

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



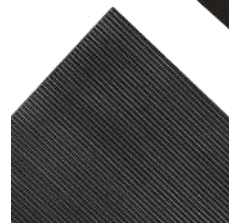
GrooveSTAT™ Conductive Floor Runners

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



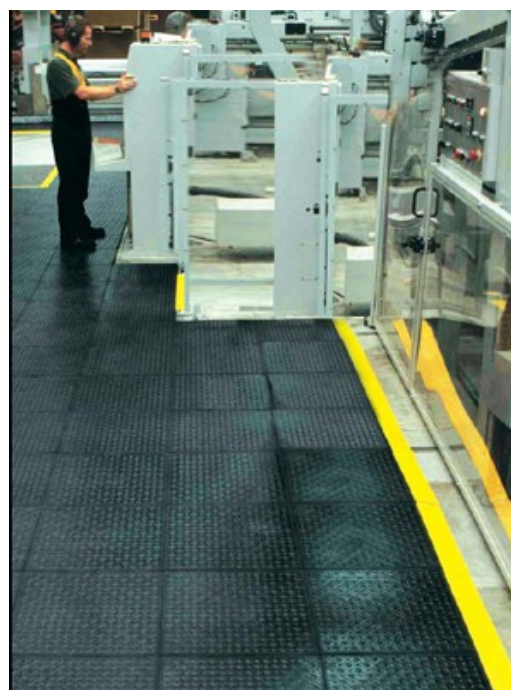
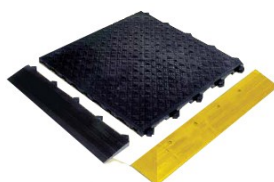
Industrial Floor Tiles

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

BFN AC Ionizers

BFN AC Ionizers Technology

The BFN series ionizers, with inherently stable AC technology, provides excellent balance and rapid charge decay for secure work-station 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 work-station 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: ± 10 volts



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



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: ± 10 volts

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: ± 10 volts

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: ± 25 volts

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 quiet 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: ± 10 volts

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: ± 10 Volts
- 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.



Patented Molded Emitter

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

IN5130 Overhead Ionizer

The IN5130 easily provides fast static charge decay over a standard work surface area. Its 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

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: ± 10 volts
- 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 (p/n FL0030)
- Footswitch or Photoelectric Eye Operation (p/n IN4000PE)
- Typical Balance: ± 10 volts

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



FL0030:

IN6430 Series Filter
 IN6430



SPBFN28, 29

BFN Series Filter
 BFN801, BFN802, BFN803

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

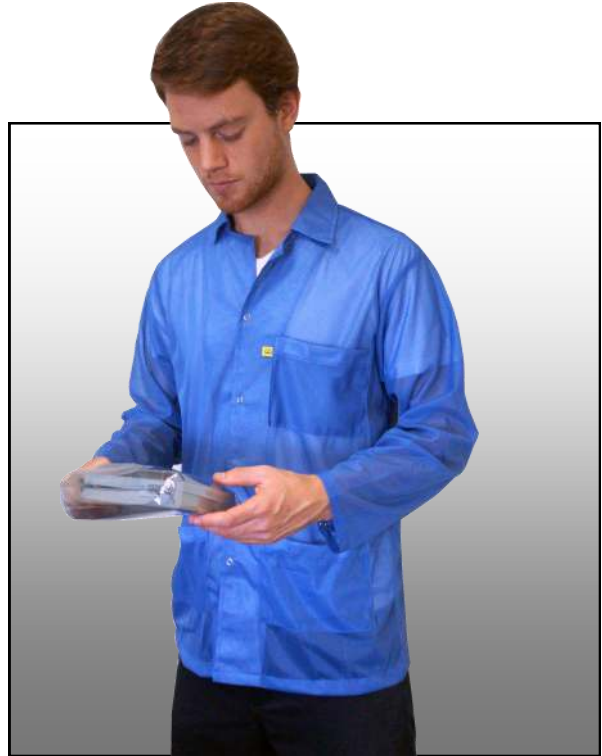
9010 ESD Jackets

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: <10⁶
- 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

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)

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.



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)

ESD JACKETS

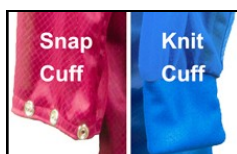
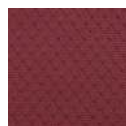
8812 Light Weight ESD Jackets

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: 6.98×10^5
- 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
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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

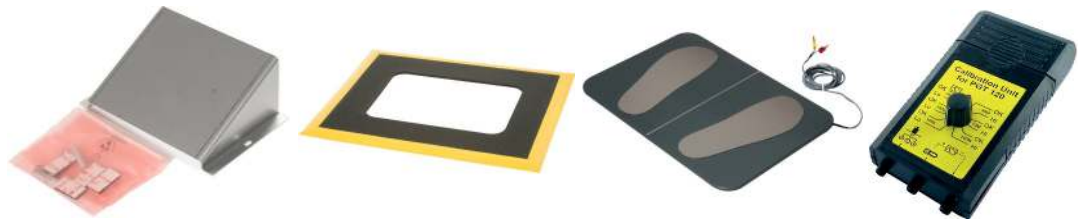


PGT120

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:

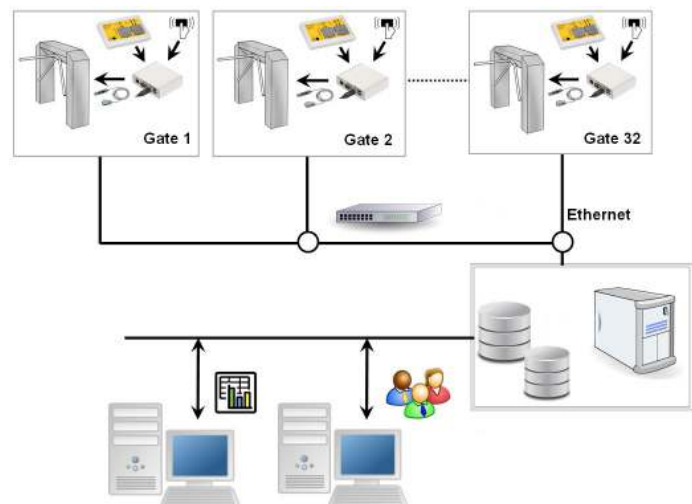
- | | |
|-----------------------------|---------------|
| • Value Footwear in Series: | Value in kOhm |
| • Value Wrist Strap System: | Value in kOhm |
| • Value of Left Foot: | Value in kOhm |
| • Value of Right Foot: | Value in kOhm |
| • Test OK: | OK |
| • Test Failed: | Error no. |



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)

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: $1 \text{ mA} \leq I \leq 1,3 \text{ mA}$
- 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: $1 \text{ mA} \leq I \leq 1,3 \text{ mA}$
- 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

RESISTANCE PROBES

5lb Disc Probes



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

Part Numbers

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

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 MetrISO B530 standard resistance meter or the MetrISO 3000 high resistance meter.

Applications:

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

7110.600.SET



7110.B530.SET



The ESD Audit Kits includes the following 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

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 $\pm 0 \sim \pm 1.49$ kV (Low)
 $\pm 1.0 \sim \pm 20.0$ kV (High)
Ion Balance Voltage: $0 \sim \pm 200$ 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.

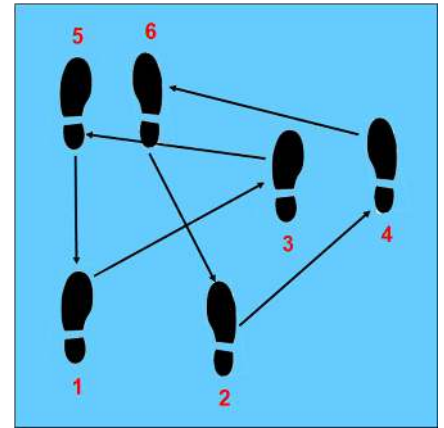
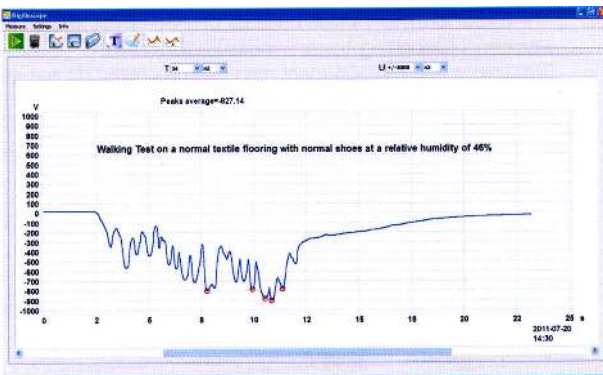


Figure 1. Walking Test Pattern

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: $\pm 5,000$ volts or ± 500 volts
- Accuracy: $\pm 5\%$ 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

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"



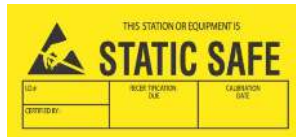
LB9050 5/8" x 2"



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

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

Part Numbers

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



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