

Why Choose Desco Testers?

The decision to purchase Desco ESD control products should be an easy one. A very large company's analysis is that when properly implemented, every dollar spent on the ESD control program will provide a financial return of ten dollars in savings, getting better quality with fewer reworks, rejections, and returns. That's a \$10 return for every \$1.00! That's a ROI of 1,000%!



To get that 10 to 1 financial return, your ESD control products must be working. A quick test with a charged plate analyzer will quickly demonstrate that wrist straps and foot grounders nearly instantaneously remove generated electrostatic charges to ground. However, there must be an electrical path to ground. ANSI/ESD S20.20 require that an organization verify the effectiveness of their ESD control program. To make sure the money you invest is providing a return, use Desco Combo Testers and require your workers to daily or twice daily test the integrity of their wrist straps and foot grounders. Or to save more money, use our Continuous Monitors to continuously verify the effectiveness of your ESD protected workstation and simultaneously satisfy ISO logging requirements.

ANSI/ESD S20.20

Per ANSI/ESD S20.20, test equipment is required to enact Compliance Verification Plan Requirement - "Test Equipment shall be selected to make measurements of appropriate properties of the technical requirements that are incorporated into the ESD program plan." Desco Testers and Monitors verify the proper functioning of items that provide ESD protection.

TESTER SELECTION CHART

This chart has been provided to help you determine the product that best fits your testing needs. If you have further questions, e-mail Desco's Customer Service Department at service@desco.com.

Model	Testing Capabilities	Type	Power Source
19210, 19211	wrist straps, work surface, outlet polarity	continuous monitor	120 volt, 220 volt
19208, 19209	wrist straps, work surface	continuous monitor	120 volt, 220 volt
19212, 19213	wrist straps, work surface	continuous monitor	120 volt, 220 volt
19220, 19221	wrist straps, work surface	continuous monitor	120 volt, 220 volt
19100	wrist straps	continuous monitor	Two AA batteries
98290, 98291	wrist straps, foot grounders	on-demand tester	120 Volt
19250, 19252, 19253	wrist straps, foot grounders,	on-demand tester	9 volt battery
98280	wrist straps, foot grounders, dissipative footwear	on-demand tester	120 Volt
19350, 19351	wrist straps	on-demand tester	120 volt, 220 volt
19635	surface resistivity, surface to ground resistance	on-demand tester	9 volt battery
19770, 19775, 19771	surface resistivity, surface to ground resistance	on-demand tester	120 volt, 220 volt, 120 volt
19445	surface voltage	on-demand tester	9 volt battery
19447, 50016	ionizer balance level	on-demand tester	9 volt battery
19450	ionization equipment	on-demand tester	120 volt
19000	complete survey	on-demand testers	various
98130	wrist straps, outlet polarity	on-demand tester	120 volt

New DESCO Products



Download **Drawing PM-119** for more information: www.desco.com

Statfree® Type i Fused Conductive Flooring System

11780	2' wide in 3' length increments up to 120 feet
11781	3' wide in 2' length increments up to 120 feet
11782	4' wide in 3' length increments up to 120 feet
11783	6' wide in 2' length increments up to 120 feet
11784	8' wide in 3' length increments up to 120 feet

Fused Type i combines the superior durability and patented ergonomic properties of Statfree® Type i Rubber Interlocking ESD mats with the flexibility of multiple widths and lengths. Select from over 200 sizes to configure your area without interlocks that tend to come apart. The various lengths and widths are made by chemically bonding the seams from both the top and the bottom, creating sections which are easy to install, providing attractive, durable, anti-fatigue and safe ESD protected flooring for any size area. The larger sections are then able to connect with other sections to create very specific floor plans. Once configured, the patented interlocking strip is designed to be cut away, leaving a clean, safe, and finished edge. This material is sold by the linear foot, in your choice of five widths.

RTT 10³ - 10⁵ ohms per ESD-S7.1 (exceeds ANSI/ESD S20.20 minimum recommended technical requirements)

Statfree® Type CV Conductive Vinyl Floor Material

15000	Roll, 48" x 40', 0.060" thick
15001	Roll, 48" x 100', 0.060" thick
15005	Roll, 48" x 40', 0.125" thick
15006	Mat Kit, 48" x 72", 0.125" thick (includes 14234 ground kit)

The Statfree® Type CV Conductive Vinyl Floor Mat is guaranteed to lay flat and is a superior matting material with electrical properties guaranteed for the life of the product. The 0.125" thick material is designed for use as either a floor mat or floor runner, and the 0.060" thick material is designed for lining shelves. It is ideal for higher traffic areas and is guaranteed to lay flat, allowing personnel, chairs, and carts to pass freely, increasing worker safety. The high performance materials used in the manufacturing of Statfree® Type CV create a highly durable, long lasting product that is reversible, resists acids and alkali solutions, and is humidity independent. Material is available in thicknesses of .060" and .125".

RTT 10³ - 10⁵ ohms per ESD-S7.1 & ESD-S4.1 (exceeds ANSI/ESD S20.20 minimum recommended technical requirements)



GREAT
where using
rolling chairs or
pallet jacks

Download **Drawing PM-118** for more information: www.desco.com



Download **Drawing 16480** for more information: www.desco.com

Statshield® ESD Workstation Pouch

16480	Workstation Pouch, 6" x 8"
16481	Workstation Pouch, 8" x 10"
16482	Workstation Pouch, 10" x 13"
16483	Workstation Pouch, 15" x 7"

Sizes shown are the size of the product that will fit inside the pouch.

The Statshield® ESD Workstation Pouch provides protective packaging, is a reusable form of RFI and ESD protection, and opens up flat to become an ESD worksurface complete with grounding strap to ground worker and worksurface. The pouch's ESD protective properties mean that it is low charging, dissipative, able to remove charges to ground, and limits discharge to contents.

Moisture Sensitive Caution Labels JEDEC JEP 113

06733 Moisture Sensitive Device Label, 3" x 3", 250 per roll

The Standard for Drying, Dry Packing, and Use of Moisture/ Reflow Sensitive Surface Mount Devices requires that this warning symbol and message be affixed to MBB or lowest level shipping container. The permanent adhesive labels are white with blue printing and designed for use on all Desco Statshield® Moisture Barrier Bags. The labels feature a strong, permanent adhesive that and are tamper evident. Labels are coated with a UV varnish for added durability. There are 250 labels per roll and are mounted on a 3" core for use in tape dispensers.

Download **Drawing 06733** for more information: www.desco.com



New DESCO Products



Reztore™ ESD Hand Lotion

81080 Reztore™ ESD Hand Lotion, 8 oz., Case of 12

Reztore™ ESD Hand Lotion is specially formulated for use in the electronic manufacturing environment. The moisturizing hand lotion will not insulate your skin. Its dissipative formulation creates a superior path to ground and helps lower skin electrical resistance & eliminates annoying & time consuming dry skin wrist strap testing failures. It's also non-contaminating, replacing regular hand lotions that can cause solderability problems and corrosion of integrated circuits and other electronic components. It also absorbs quickly, contains Vitamins A, D, and E, is enriched with aloe vera, and has a pleasant mild peach scent.

Per ESD Handbook TR20.20 paragraph 5.3.2.4.3 Test Procedure, "If the [wrist strap test] resistance is still too high, dry skin might be the problem. Dry skin conditions can be resolved by applying moisturizing lotion on the wrist and repeating the resistance test again. The moisturizing lotion should be one that is compatible with process requirements."

Surface Resistance: 10^6 Ohms

Download **Technical Bulletin TB-3012** for more information: www.desco.com

Reztore® Static-Wipes Personal Size

10601 Reztore™ Static Wipes, Case of 12

Reztore™ Static-Wipes is now available in a personal-size pop-up dispenser. The portable canister contains 60 wipes which are ideal safe and convenient cleaning wipes for field service kits, static dissipative mats, conductive mats, electronic instrumentation, office telephones, fax machines, medical equipment, computer monitors, and keyboards. The wipe's antistatic canister is safe for use and storage at the workstation and side grippers are easy to grip and use. The wipes are saturated with a static dissipative solution which cleans and restores ESD protected surfaces. Wipes do not contain silicone and will not degrade surface's ability to drain charges. The personal-size Reztore™ Static-Wipes have all the features of our larger size container. Frequent use eliminates static, keeps dust from collecting, and helps maintain a germ-free environment.

Download **Technical Bulletin TB-2051** for more information: www.desco.com



Reztore® 16 oz. Spray Bottle

10434 Reztore™ Surface & Mat Cleaner, 16 oz, case of 12

Reztore™ Antistatic Surface and Mat Cleaner is now available in a 16-oz. Spray Bottle. The bottle's ergonomic grip is comfortable and easy to hold. The smaller spray bottle is ideal for quick cleaning of conductive and dissipative mats, electronic instruments, medical equipment, office equipment, and computer monitors. The cleaner is composed of a static dissipative solution which cleans and restores ESD protected surfaces and eliminates possible source of ESD event. The cleaner does not contain silicone and will not degrade the surface's ability to drain charges. The 16-oz. Reztore™ Surface and Mat Cleaner has all the features of our larger size bottles. Frequent use eliminates static, keeps dust from collecting, and helps maintain a germ-free environment; compatible with most clean room specifications

Download **Technical Bulletin TB-2032** for more information: www.desco.com



Statguard® Conductive Acrylic Paint Light Grey

10410 5 Gallon, Light Grey

Statguard® Conductive Acrylic Paint is now available in light grey. The lighter color will brighten your factory area, and make it appear more spacious. This paint is an effective alternative to epoxy, conductive floor mats and tiles. It is easy to repair, touch up, and maintain, making it ideal for heavy traffic areas in factory and contract manufacturing facilities. Statguard® Conductive Acrylic Paint is a durable paint that is conductive in accordance with ANSI/ESD S20.20 as an ESD protective flooring. The paint adheres to floors, walls, or wood furniture, providing ESD control in places which are difficult to protect.

RTT 10^6 ohms per ESD-S7.1; conductive in accordance with ANSI/ESD S20.20 and Mil-HDBK-263-B

Download **Technical Bulletin TB-2080** for more information: www.desco.com



New
Light grey paint



Dark grey paint



Return Service Requested



Jewel™ Cords hit 40 million flex cycles! The best coil cords on the market today only average 1 million flex cycles. Desco Jewel™ Cords are the best in the world and guaranteed for life! Learn more about our Jewel™ Cords, visit our web site: www.desco.com/catalog/09120.htm

Request a no-charge ESD Survey - Just got to www.desco.com/requesd.asp

New DESCO Tester & Monitor

New Data Logger With Proximity Reader

Allows workers to identify themselves by just waving a HID proximity card



Responding to numerous customers requests, Desco introduces a new Data Logger Test Station with HID Proximity reader, item number 98291, which allows workers to identify themselves by just waving a HID proximity card. The Proximity Reader more quickly identifies the person being tested without wear to the card or Test Station. Data Logger Test Stations pay for themselves, simplifying record keeping of testing of Wrist Straps and Foot Grounders which is required by the ESD Association standards. Test results from all around a facility are easily organized to satisfy ISO and ESD control plan logging requirements. Desco 98290 Data Logger Test Station continues to identify workers for companies using magnetic stripe, barcode, or PIN numbers. Desco 98291 Data Logger Test Station with Proximity Reader is the new item number for companies that use HID proximity cards.

Item	Description
98291	Data Logger Test Station with Proximity Reader
98290	Data Logger Test Station with Scanner

For more information, Download Technical Bulletin TB-2098: www.desco.com

Multi-Mount Continuous Monitor

Designed for equipment or where worksurface monitoring not required



Leading companies use continuous monitors as a cost effective component in satisfying the paragraph 6.1.3 Compliance Verification Plan requirements of ANSI/ESD S20.20. The new Desco Multi-Mount Continuous Monitor continuously monitors the integrity of one operator (see other Desco continuous monitor models when worksurface monitoring is also required). The Monitor will provide virtually instantaneous notification of static control failures, eliminating the need of periodic testing and costly record keeping. Per ESD S1.1 "Daily (wrist strap) testing may be omitted if constant monitoring is used". This unit is highly cost effective, as it is designed to monitor any conventional single conductor wrist strap and ground cord system. **There are no additional wires to connect and its small package and mounting tab holes make it highly suitable to install on a work bench or machine.**

Item	Description
19220	Multi-Mount Continuous Monitor, 120V
19221	Multi-Mount Continuous Monitor, 220V

For more information, Download Technical Bulletin TB-3011: www.desco.com