



## Description:

The Full Coverage Foot Grounder provides contact with the ESD floor both under the foot's sole as well as the heel area providing a more reliable path-to-ground than regular heel or toe grounders. Many users are improving ESD control responding to handling increasingly sensitive ESD devices such as Human Body Model class 0 devices. These foot grounders are designed to provide maximum ESD protection and fit most standard footwear. Desco foot grounders have a protective lining that prevents "bleed off" or "rub off" of black carbon marks onto the operator's shoes. The foot grounder has a one megohm discrete resistor in line for safety and is UL listed.



The product is a suitable ESD Footwear component to meet EN 61340-5-1 Table 1 Note 2 recommendation "when the footwear / floor systems are used as the primary means of grounding personnel, the resistance of the combination is recommended to be between  $7,5 \times 10^5$  and  $3,5 \times 10^7$  ohms." Foot Grounders are a superior choice to expensive dissipative shoes which require a sweat-in period prior to use. They are less expensive, require simpler inventory of sizes, and have superior electricals.

Item #	Description	Shoe Size	
		Men	Women
249240	Medium	3 - 6.5	5 - 7.5
249245	Large	7 - 12.5	8 - 14

### Notes:

Per EN 61340-5-1 paragraph 5.5 EPA working practices "When the use of a wrist strap system is impractical, the [ESD] floor and [ESD] footwear shall be the primary means of ESD control."

Per User Guide EN 61340-5-2 Paragraph 5.2.8 Footwear, "Where personnel are mobile, in storing areas, operating large machinery, etc., it may be impractical or dangerous to have long cords attached to them. Most people do not stand solidly on both feet, it is important that paths to ground are made in the heel and toe area of both feet. Where toe and heel straps are used as ESID footwear, once these are worn outside the EPA, particularly on carpets, they are likely to accumulate fluff and become ineffective; this requires that they be checked or replaced on every visit to the EPA. When ESD footwear is used, it should be noted that ESD footwear alone cannot achieve protection, but needs to be used in conjunction with a suitable ESID floor."



ATTENTION: This product is not recommended for use on equipment with operating voltage exceeding 250 volts.

This product includes a one megohm current limiting resistor. DO NOT REMOVE. If it becomes damaged, replace Foot Grounder immediately. These products are not to be used in areas where the individual may come in contact with exposed electrical circuitry exceeding 250 volts.

CAUTION: These products are for ElectroStatic control. They will not reduce or increase your risk of receiving electrical shock when using or working on electrical equipment. Follow the same precautions you would use without foot grounders, including:

Make certain that equipment having a grounding type plug is properly grounded.

Make certain that you are not in contact with grounded objects other than through the ESD Series.

## Components:

- A. 0.060" thick, two layer laminated rubber heel/sole. The inner layer is non-marring, and the outer black layer is conductive Neoprene. The rubber is laminated, making it strong and resistant to tearing under normal indoor working conditions.
- B. 3/8" wide, 18" long conductive grounding tab. The blue nylon ribbon contains 8 electrically conductive carbon suffused fibers. It is reversible and may be positioned on either side when placed underneath the foot while inside the shoe.
- C. Front extension tab for ease of installation over the front of the shoe.
- D. Side extension tabs for ease of installation over the sides of the shoe.
- E. 1 megohm surface mount flex resistor in line with conductive grounding tab. listed for safety.



**Resistance Point to Point (RTT):**  
1 x 10E6 - 1 x 10E7 Ohms @ 100 volts

Made in America

# Vermason

## FULL COVERAGE FOOT GROUNDER

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**249240**

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