

ESD Survey Kit Operation and Maintenance



Made in the
United States of America



Figure 1. Desco [50568](#) ESD Survey Kit, North America, 120VAC



Figure 2. Desco [50569](#) ESD Survey Kit, Asia, 220VAC

Description

The Desco ESD Survey Kit is used for measuring, verifying, and qualifying products for used in the ESD Protected Area. The kit includes the following instruments:

- **Digital Surface Resistance Meter** to measure resistance point-to-point (Rtt) or surface to ground (Rtg) in accordance with ESD Association Standard ANSI/ESD S4.1.
- **AC Outlet Analyzer** to confirm that an outlet's wiring is correct and the path to earth ground via the equipment grounding conductor (the green wire) is intact.
- **Low Resistance Tester** to measure the resistance of grounding paths of banana jacks and other equipment.
- **Field Meter/Ionization Test Kit** to measure static fields and to measure offset voltage (balance) and charge decay of ionization equipment.
- **Human Body Model Test Fixture** to measure electrical charges generated on the human body while walking or moving across an insulative or conductive surface.
- **Training Paddle Set** to demonstrate the creation of static charges and the functionality of ESD control products.

The ESD Survey Kit is available in two models:

Item	Region	Voltage
50568	North America	120VAC
50569	Asia	220VAC

Per ANSI/ESD S20.20 section 6.1.3.1 Compliance Verification Plan Requirement “A Compliance Verification Plan shall be established to ensure the organization’s compliance with the requirements of the Plan. Formal audits or certifications shall be conducted in accordance with a Compliance Verification Plan that identifies the requirements to be verified, and the frequency at which those verifications must occur. Test equipment shall be selected to make measurements of appropriate properties of the technical requirements that are incorporated into the ESD program plan.”

6.1.3.2. Compliance Verification Plan Guidance “In addition to internal audits, external audits (Organization and supplier of ESDS items) should be performed to ensure compliance with planned requirements. Verifications should include routine checks of the Technical Requirements in the Plan. The frequency of verification checks should be based on the control item usage, its durability and associated risk of failure.”

This clearly states the necessity of having the means to perform regular surveys at your facility. The ESD Survey Kit will enable you to do this.

The ESD Program Standard ANSI/ESD S20.20-2007 can be downloaded here:

<http://www.esda.org/Documents.html>

Packaging

50568 ESD SURVEY KIT, NORTH AMERICA, 120VAC

Qty	Item	Description	Technical Bulletin
1	19787	Digital Surface Resistance Meter Kit	TB-3062
1	98132	AC Outlet Analyzer and Wrist Strap Tester, North America, 120VAC	TB-2099
1	19245	Low Resistance Tester	TB-3055
1	19493	Ionization Test Kit	TB-3041
1	19448	Human Body Model Test Fixture	TB-3040
1	-	Training Paddle Set	-
1	-	Heavy Duty Carrying Case	-

50569 ESD SURVEY KIT, ASIA, 220VAC

Qty	Item	Description	Technical Bulletin
1	19787	Digital Surface Resistance Meter Kit	TB-3062
1	98131	AC Outlet Analyzer and Wrist Strap Tester, Asia, 220VAC	TB-2099
1	19245	Low Resistance Tester	TB-3055
1	19493	Ionization Test Kit	TB-3041
1	19448	Human Body Model Test Fixture	TB-3040
1	-	Training Paddle Set	-
1	-	Heavy Duty Carrying Case	-



Figure 3. Extendable handle on the carrying case

Specifications

Weight	28 lbs (13 kg)
Dimensions	22.0" x 13.8" x 9.0" (56 cm x 35 cm x 23 cm)

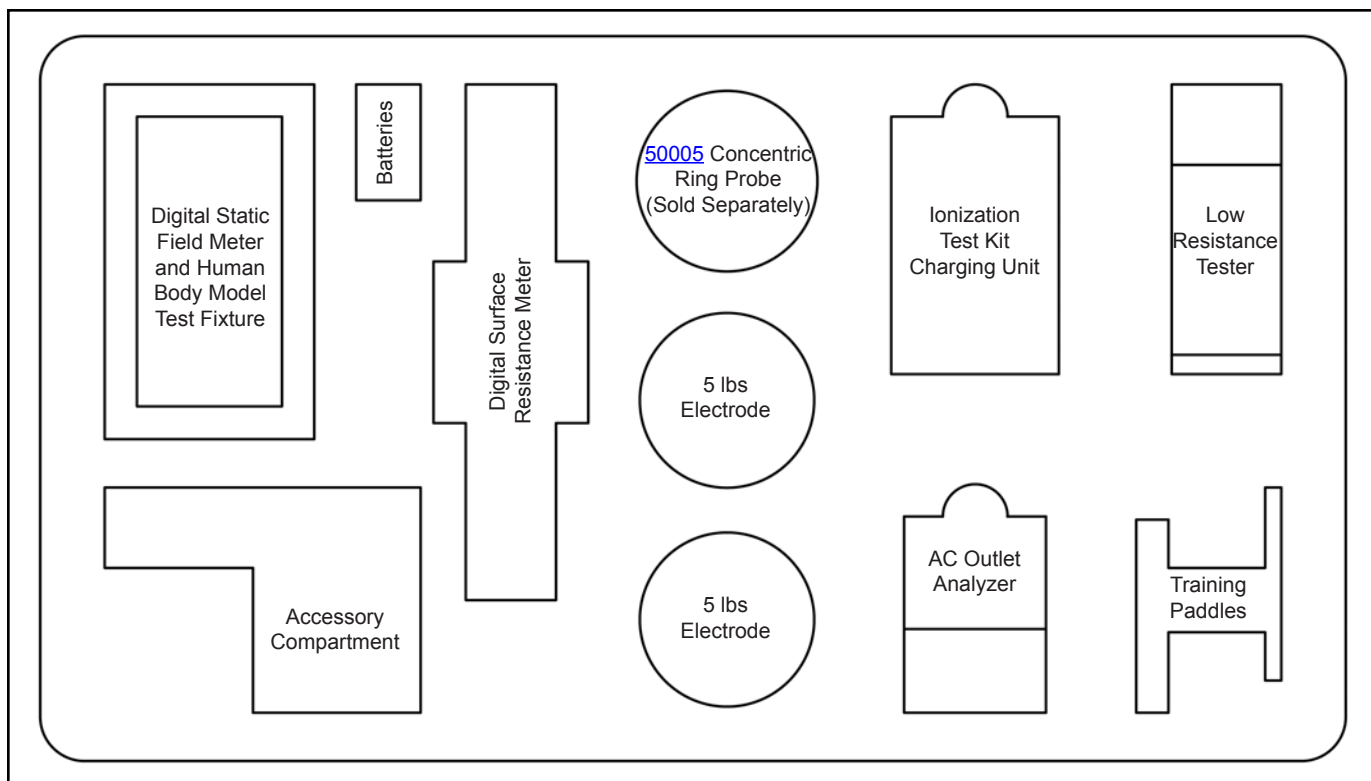


Figure 4. Item compartments

Limited Warranty

Desco expressly warrants that for a period of one (1) year from the date of purchase Desco ESD Survey Kits will be free of defects in material (parts) and workmanship (labor). Within the warranty period, a credit for purchase of replacement Desco ESD Survey Kits, or, at Desco's option, the ESD Survey Kit will be repaired or replaced free of charge. If product credit is issued, the amount will be calculated by multiplying the unused portion of the expected one year life times the original unit purchase price. Call our Customer Service Department at 909-627-8178 (Chino, CA) or 781-821-8370 (Canton, MA) for a Return Material Authorization (RMA) and proper shipping instructions and address. Please include a copy of your original packing slip, invoice, or other proof of date of purchase. Any unit under warranty should be shipped prepaid to the Desco factory. Warranty replacements will take approximately two weeks.

If your unit is out of warranty, call our Customer Service Department at 909-627-8178 (Chino, CA) or 781-821-8370 (Canton, MA) for a Return Material Authorization (RMA) and proper shipping instructions and address. Desco will quote repair charges necessary to bring your unit up to factory standards.

Warranty Exclusions

THE FOREGOING EXPRESS WARRANTY IS MADE IN LIEU OF ALL OTHER PRODUCT WARRANTIES, EXPRESSED AND IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH ARE SPECIFICALLY DISCLAIMED. The express warranty will not apply to defects or damage due to accidents, neglect, misuse, alterations, operator error, or failure to properly maintain, clean or repair products.

Limit of Liability

In no event will Desco or any seller 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, users shall determine the suitability of the product for their intended use, and users assume all risk and liability whatsoever in connection therewith.