

EOS/ESD Assessment Kit Operation and Maintenance



Made in the
United States of America



Figure 1. Desco Europe EOS/ESD Assessment Kit

Description

The Desco Europe 222682 EOS/ESD Assessment Kit offers an effective way to detect ESD events, troubleshoot, and verify that the ESD control processes are working properly. The devices included in the kit identify EOS (electrical overstress) and ESD (electrostatic) generators. 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.
- **Handheld Electrode** to measure Floor Materials and Footwear - Resistance Measurement in Combination with a Person (ANSI/ESD STM97.1).
- **EM Eye - ESD Event Meter** to detect, count and measure ESD events that can damage ESD items and cause tool lock-ups, erratic behavior and parametric errors.
- **Ground Pro Meter** to confirm that an AC electrical outlet's wiring is correct and the path to equipment ground conductor (the green wire) is intact and to measure ground impedance in accordance with ANSI/ESD S6.1 and ANSI/ESD S20.20 required limits.
- **AC Outlet Analyser & Wrist Strap Tester** to verify the path-to-ground integrity of electrical outlets and wrist straps.
- **Low Resistance Tester** to measure the resistance of grounding paths of banana jacks and other equipment.

- **Ionization Test Kit** to measure static fields and to measure offset voltage (balance) and charge decay of ionization equipment.
- **Training Paddle Set** to demonstrate the creation of static charges and the functionality of ESD control products.

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 can be downloaded here:

<https://www.esda.org/standards/esda-documents/>



Figure 2. Using the ESD Survey Kit's lid organizer

Packaging

Qty	Item	Description	Technical Bulletin
1	19290	Digital Surface Resistance Meter Kit	TB-3076.E
1	19295	Handheld Electrode	TB-3076.E
1	CTM048-21	EM Eye - ESD Event Meter	TB-9023
1	CTM051	Ground Pro Meter	TB-9024
1	224713	AC Outlet Analyser & Wrist Strap Tester	TB-7509
1	222645	Low Resistance Tester	TB-7600
1	19443	Ionisation Test Kit	TB-3090
1	-	Training Paddle Set	-
1	-	Pelican 1510 Case	-

Specifications

Dimensions	22.0" x 13.8" x 9.0" (559 mm x 351 mm x 229 mm)
Weight	13.0 lbs (5.9 kg)
Country of Origin	United States of America

Limited Warranty, Warranty Exclusions, Limit of Liability and RMA Request Instructions

See the Desco Europe Warranty - DescoEurope.com/Limited-Warranty.aspx

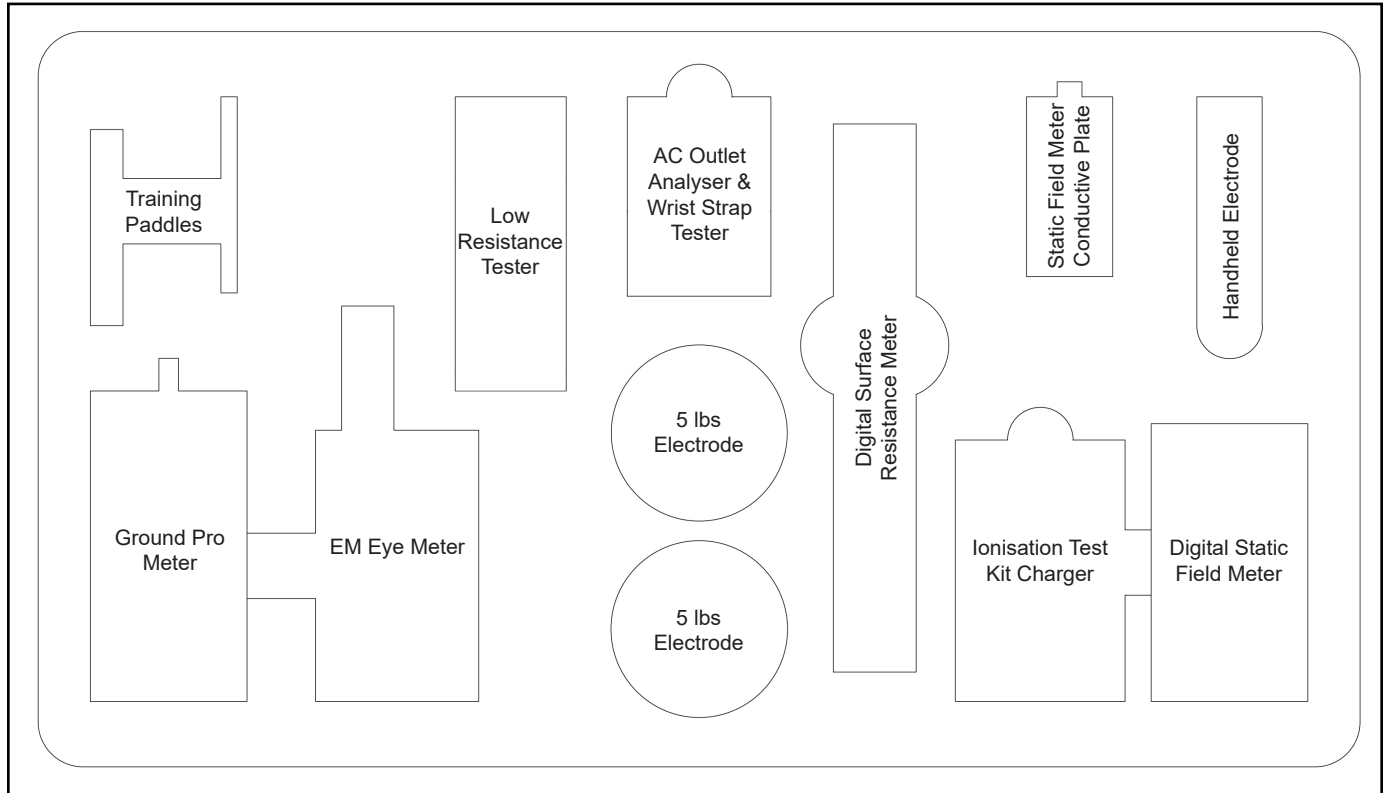


Figure 3. Item compartments