

EOS/ESD Assessment Kit Operation and Maintenance



Made in the
United States of America



Figure 1. SCS 770045 EOS/ESD Assessment Kit

Description

The SCS 770045 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:

- **Resistance Pro Meter Kit** 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.
- **Static Sensor with Air Ionizer Test Kit** to measure static fields and offset voltage (balance) and charge decay of ionization equipment.
- **ESD 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.

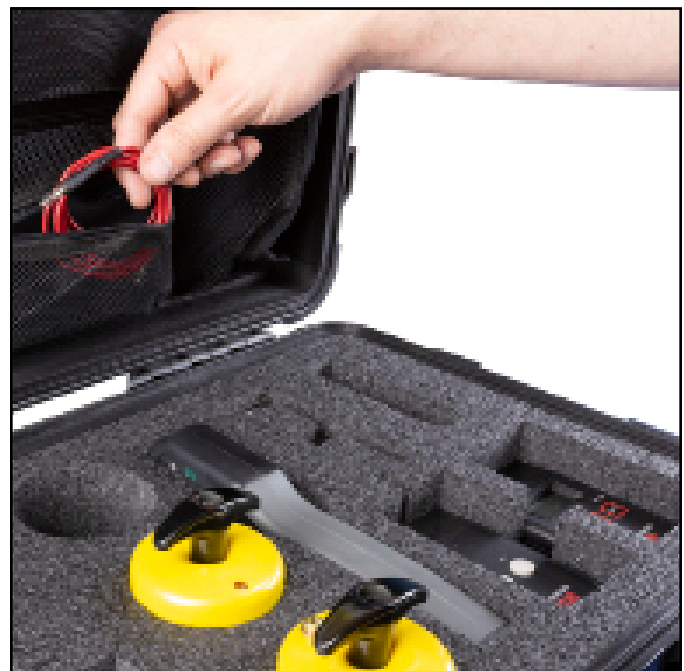


Figure 2. Using the EOS/ESD Assessment Kit's lid organizer

Packaging

Qty	Item	Description	User Guide
1	770760	Resistance Pro Meter Kit	TB-9091
1	770765	Handheld Electrode	TB-9091
1	CTM048-21	EM Eye - ESD Event Meter	TB-9023
1	CTM051	Ground Pro Meter	TB-9024
1	718	Static Sensor	TB-9016
1	718A	Air Ionizer Test Kit	TB-9016
1	-	ESD 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

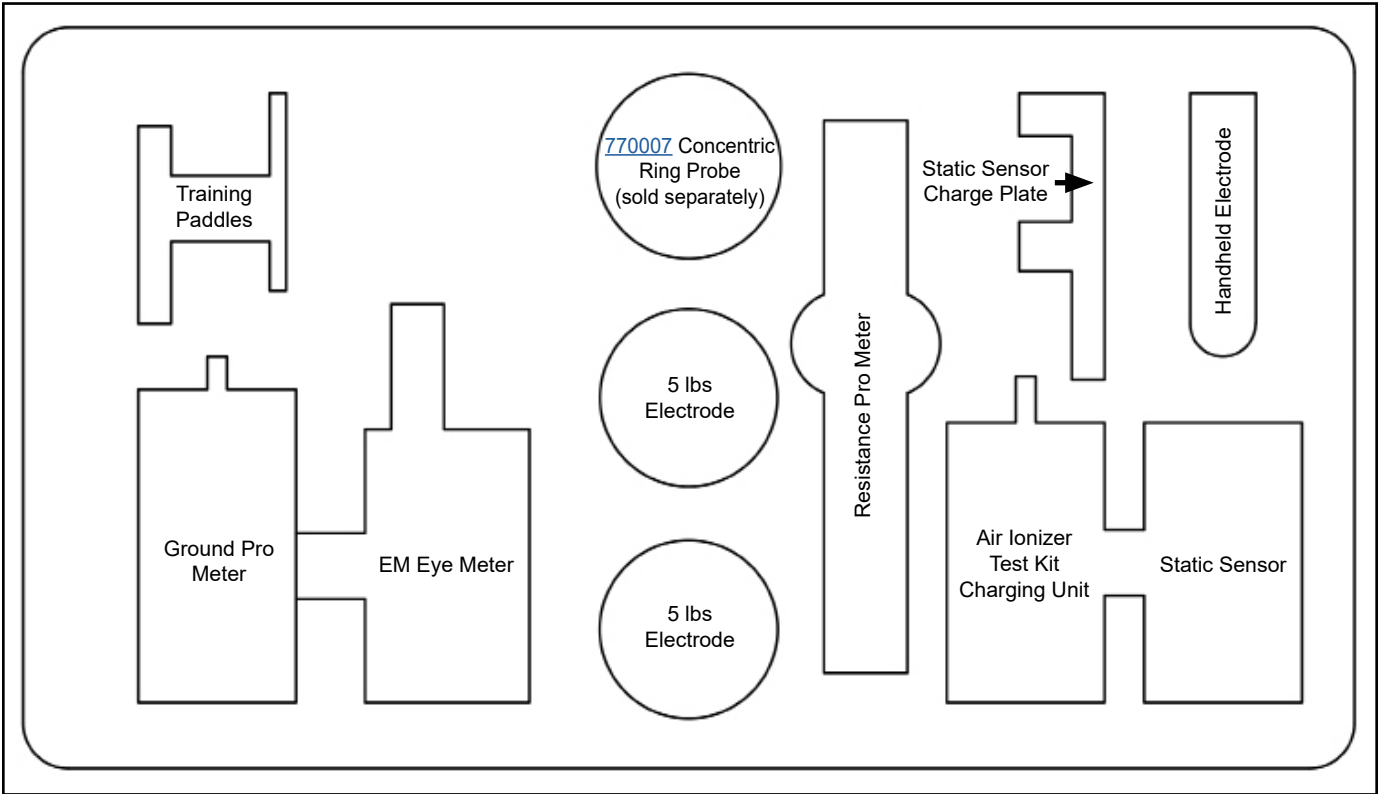


Figure 3. Item compartments