

# EOS/ESD Assessment Kit Operation and Maintenance



Made in the  
United States of America



Figure 1. Desco Europe 222683 EOS/ESD Assessment Kit, UK



Figure 2. Desco Europe 222684 EOS/ESD Assessment Kit, Europe

## Description

The Desco Europe 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 behaviour 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.
- **Ionisation Test Kit** to measure static fields and to measure offset voltage (balance) and charge decay of ionisation equipment.
- **Training Paddle Set** to demonstrate the creation of static charges and the functionality of ESD control products.

The EOS/ESD Assessment Kit is available in two models:

Item	Region
<a href="#">222683</a>	United Kingdom
<a href="#">222684</a>	Europe

Per IEC 61340-5-1 clause 5.2.4 Compliance verification plan: "A compliance verification plan shall be established to ensure the organization's fulfillment of the requirements of the plan. Process monitoring (measurements) shall be conducted in accordance with a compliance verification plan that identifies the technical requirements to be verified, the measurement limits and the frequency at which those verifications must occur. The compliance verification plan must document the test methods used for process monitoring and measurements. If the organization uses test methods that differ from the standards referenced in this standard, the organization must be able to show that the results achieved correlate with the referenced standards. Compliance verification records shall be established and maintained to provide evidence of conformity to the technical requirements. The test equipment selected shall be capable of making the measurements defined in the compliance verification plan."

This clearly states the necessity of having the means to perform regular self audits or compliance verification testing at your facility. This may be completed using the EOS/ESD Assessment Kit.

The ESD Standard IEC 61340-5-1 can be purchased from [www.bsigroup.com](http://www.bsigroup.com).



Figure 3. Using the ESD Survey Kit's lid organizer

## Packaging

### 222683 EOS/ESD ASSESSMENT KIT

Qty	Item	Description	Technical Bulletin
1	<a href="#">19290</a>	Digital Surface Resistance Meter Kit	<a href="#">TB-3076.E</a>
1	<a href="#">19295</a>	Handheld Electrode	<a href="#">TB-3076.E</a>
1	<a href="#">98134</a>	AC Outlet Analyser & Wrist Strap Tester, UK	<a href="#">TB-3094.E</a>
1	<a href="#">222645</a>	Low Resistance Tester	<a href="#">TB-7600</a>
1	<a href="#">19443</a>	Ionisation Test Kit	<a href="#">TB-3090</a>
1	<a href="#">770715</a>	EM Eye - ESD Event Meter	<a href="#">TB-9119</a>
1	<a href="#">CTM051</a>	Ground Pro Meter	<a href="#">TB-9024</a>
1	-	Training Paddle Set	-
1	-	Pelican 1510 Case	-

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1	<a href="#">98135</a>	AC Outlet Analyser & Wrist Strap Tester, Europe	<a href="#">TB-3094.E</a>
1	<a href="#">222645</a>	Low Resistance Tester	<a href="#">TB-7600</a>
1	<a href="#">19443</a>	Ionisation Test Kit	<a href="#">TB-3090</a>
1	<a href="#">770715</a>	EM Eye - ESD Event Meter	<a href="#">TB-9119</a>
1	<a href="#">CTM051</a>	Ground Pro Meter	<a href="#">TB-9024</a>
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](http://DescoEurope.com/Limited-Warranty.aspx)

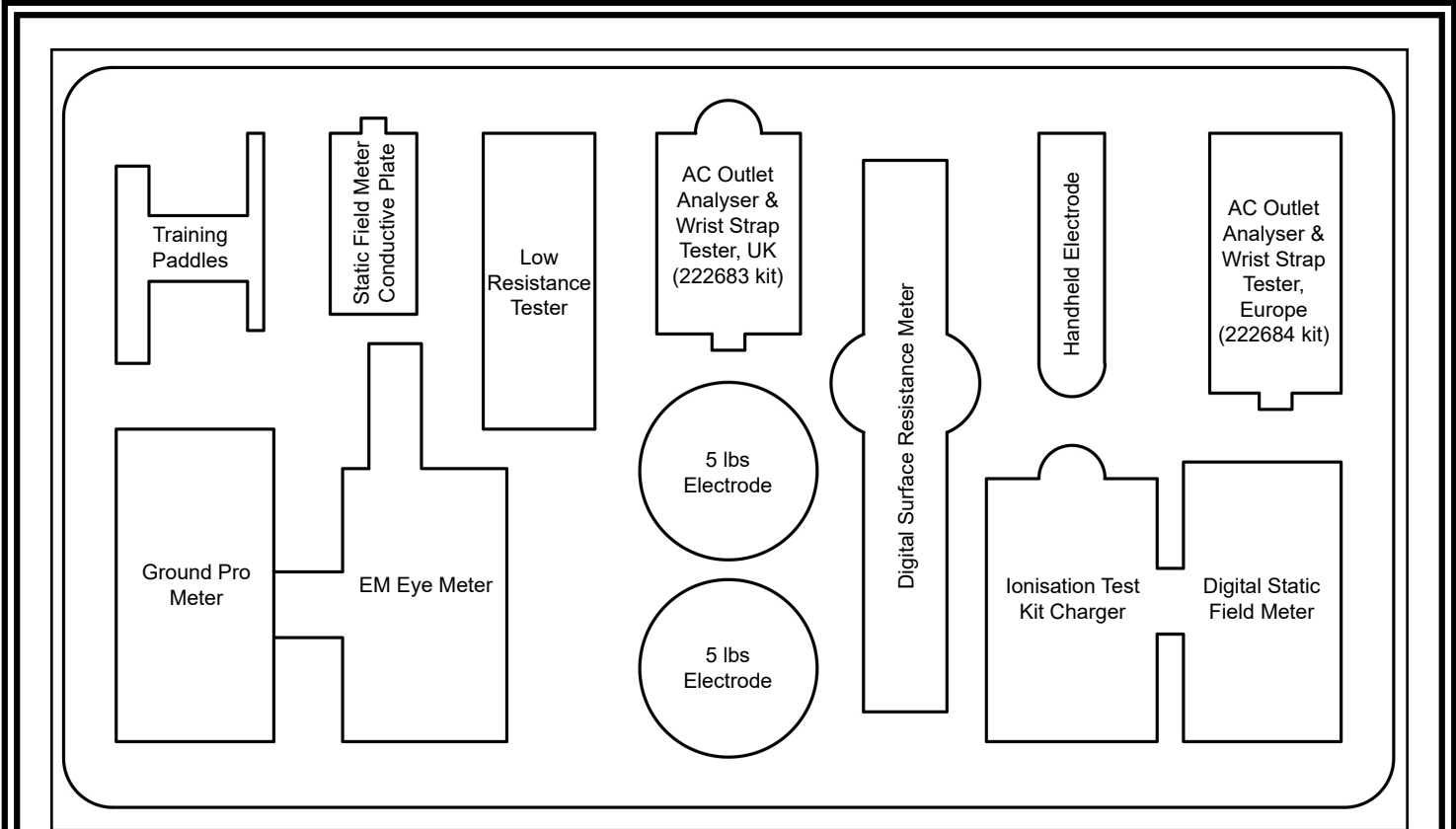


Figure 4. Item compartments