

3M™ Test Kit for Static Control Surfaces 701

The Test Kit 701 contains a lightweight, user-friendly megohmmeter plus the components needed to easily and accurately test mats and other surfaces. All of the items are packaged in a foam-lined carrying case.

The kit is compatible with EOS/ESD Standard S4.1, “Work surfaces – Resistive Characterization”; and ESD S7.1, “Floor Materials – Resistive Characterization of Materials.” The meter has separate scales and test settings for measuring surface-to-ground and surface-to-surface resistance at two prescribed test voltages (10V and 100V), system continuity, and the open circuit test voltage. The scales are both color-coded and numbered, and very easy to read.

Test Kit for Static Control Surfaces

Kit contains:

- 1 Megohmmeter (11 oz); 1.7 H x 3.3 W x 4.6 L in.
- 2 Test Weights (5 lbs. each)
- 2 Test Leads (10 ft. each)
- 1 Insulated Bulldog Clip
- 1 Alligator Clip
- 1 Continuity Test Plate
- 2 Batteries (3.6V and 1.5V)
- 1 User's Guide
- 1 Molded Carrying Case



Item	Typical Properties	
Kit	Weight	13 pounds (5.9 kg)
	Dimensions	4.2" H x 12.7" W x 10.25" L (10.7 cm H x 32.3 cm W x 26.0 cm L)
	Material	Blow-molded, high density polyethylene with foam inserts
	Color	Gray
Meter	Weight	11 ounces (0.31 kg)
	Dimensions	1.7" H x 3.3" W x 4.6" L (4.32 H cm x 8.38 W cm x 11.68 L cm)
	Resistance Ranges	
	Continuity test mode	0 - 10MΩ
	10V surface test mode	10 ⁵ - 10 ¹¹ Ω
Test Weights (each)	100V surface test mode	10 ⁵ - 10 ¹¹ Ω
	Weight	5 pounds (2.27 kg)
	Dimensions	Diameter – 2.7" (6.8 cm) Height – 5.1" (13.0 cm); includes handle and pad
	Pad Material	Conductive silicone rubber
	Pad Dimensions	Diameter – 2.5" (6.35 cm) Thickness – 0.25" (0.64 cm)
Leads (each)	Length	10 feet (3.05 m)
	Insulation	Silicone rubber
	Diameter	0.125" (0.32 cm)
Power Supply	Batteries (2)	3.6V and 1.5V (AA). One each

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78-9102-1668-4 JHA