

3M™ Test Kits for Static Control Surfaces

The 3M Test Kit 701 contains a lightweight, user-friendly megohmmeter plus all of the components needed to make testing mats and other surfaces simple and accurate. All of the items are packaged in a foam-lined carrying case.

The kit meets the intent of ANSI/ESD Standard 4.1, “Worksurfaces – Resistive Characterization,” ANSI/ESD Standard 7.1, “Floor Materials – Resistive Characterization of Materials,” and MIL-PRF-87893, “Workstation, Electrostatic Discharge (ESD) Control,” for auditing purposes. The meter has separate scales and test settings for measuring surface-to-ground and surface-to-surface resistance at two prescribed test voltages (10 V and 100 V), and system continuity. The easy-to-read scales are both color-coded and numbered.



3M™ Test Kit 701



Product Referral Generator

Floor Mats/Rolls	pg. 36
Dissipative Rubber Mats/Rolls	pg. 36
Static Conductive Floor Tile	pg. 112

Product No.	Description
701	<p>Test Kit for Static Control Surfaces (Certified and non-certified)</p> <p>Kit contains:</p> <ul style="list-style-type: none"> • 1 Megohmmeter 12 oz. (340 g) 1.8 H x 3.3 W x 4.6 in. L (4.57 x 8.38 x 11.68 cm) • 2 Test Weights, 5 lbs. (2.27 kg) each • 2 Test Leads, 10 ft. (3 m) each • 1 Insulated Bulldog Clip • 1 Alligator Clip • 1 Continuity Test Plate • 2 Batteries (22.5 V and 1.5 V) • 1 Operator's Manual • 1 Molded Carrying Case
701-L	Test Leads
701-M	Megohmmeter only
701-W	5 lb. (2.27 kg) Test Weight



Test Kit Properties

Product	Item	Typical Properties
Kit	Weight:	14 lb. (6.35 kg)
	Case Dimensions:	5.125 H x 10 W x 13.5 in. L (13.02 x 25.4 x 34.29 cm)
	Case Material:	Blow-molded, high density polyethylene with foam inserts
	Case Color:	Gray
Meter	Weight:	12 oz. (0.34 kg)
	Dimensions:	1.8 H x 3.3 W x 4.6 in. L (4.57 x 8.38 x 11.68 cm)
	Resistance Ranges:	
	Continuity Test Mode	0 – 10M ohm (internal R=500 K ohm)
10 V Surface Test Mode	10 ⁵ – 10 ¹¹ ohm (internal R=2 M ohm)	
100 V Surface Test Mode	10 ⁵ – 10 ¹¹ ohm (internal R=2 M ohm)	
Weights	2 Test Weights:	5 lb. (2.27 kg) each
	Dimensions:	Diameter – 2.5 in. (6.35 cm) Height – 5.06 in. (12.85 cm); includes handle and pad
	Pad Material:	Conductive silicone rubber
	Pad Dimensions:	Diameter – 2.5 in. (6.35 cm) Thickness – 0.25 in. (0.64 cm)
Leads	Length:	10 ft. (3.05 m)
	Wire Size:	18 gauge
	Insulation:	Silicone rubber
	Diameter:	0.125 in. (0.32 cm)
Power Supply	Batteries (2):	22.5 volt (Eveready™ #505 or equivalent) and 1.5 volt (AA).