



PRF-911 Concentric Ring Set

Designed originally for flat (planar) packaging materials, this unique portable test fixture will measure surface resistance and volume resistivity of virtually any flat material in accordance with current industry specifications. The PRF-911 Concentric Ring is a miniature test fixture conceived specifically for use with the Prostat PRS-801 Resistance System. It will measure surface resistance per ESD STM11.11, and Volume Resistivity per ASTM D-257.

Its compact size allows the fixture to be inserted into small flexible containers, such as an ESD protective bag, without having to cut the package.

Specifications

Concentric Ring Loaded Dimensions:	Inner electrode disc (D ₁) outside diameter: 1.2" (3.05 cm) Spring counter pressure approximately 2 lbs., ±2 oz (0.82 kg, ±0.06 kg)
	Outer electrode ring (D ₂) inside diameter: 2.25" (5.72 cm) Width 0.125" (0.32 cm)
Alignment:	5.0x10 ⁵ ±1% Ohms @100 volts per S-11.11-1993 for Surface Measurements 5.0x10 ⁵ ±2% Ohms @10 volts 5.0x10 ⁵ ±1% Ohms @100 volts for Volume Resistivity Measurement 5.0x10 ⁵ ±2% Ohms @100 volts
Volume Resistivity Correction:	6.9 cm ² Total D ₁ Contact Area. Allows for D ₁ mounting screw head.
Fixture Weight:	1.8 lb (0.82 kg) without BNC/Banana adapter or connections.
Connections:	Fixture installed BNC for Inner Disc (D ₁) connection, and fixture assembly ground; dual BNC/Banana plug adapter supplied. Fixture installed standard banana receptacle for Outer Ring (D ₂) connection.

Dual Test Bed:

Diameter: 4.0" (10.16 cm). Lamination of 1/8 inch acrylic plastic and 1/4 inch stainless steel, or aluminum plate.

Power:

Not Applicable. The fixture and test bed are used in conjunction with the Prostat PRS-801 or PRS-812 Resistance Meters and test leads.

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