



PRF-912B Micro Probe

The Prostat PRF-912B Miniature E12 Micro Probe Set accurately measures surface resistance of small areas up to 1.0×10^{12} ohms. It consists of a PRF-912B Concentric Resistance Fixture, shielded cable equipped with BNC connectors, and a BNC to male banana instrument adapter. The optional PRV-913B Dual Verification Fixture is designed to confirm the proper operation of all of the Prostat Micro Probes Sets.

The PRF-912B is designed to work with a precision wide range resistance instrument, such as the Prostat PRS-801 Resistance System, or PRS-812 Resistance Meter. It can also be attached to the PSI-870 Indicator using an optional adapter lead for a quick indicator. It provides surface resistance measurements in ohms per ESD STM11.11 Surface Resistance test standard.

Specifications

Range:	0.9 – 1.0×10^{12} Ohms (1.0E+12)
ASTM D-257:	Correction from ohms to ohms/square Multiply by 10
Dimensions:	Length: 5.9" (150 mm) without probe cover. 6.5" (165 mm) with probe cover. Probe Diameter: 0.5" (12.7 mm). Probe Cover Outer Diameter: 0.63" (16 mm).
Probe Weight:	1.5 ounces (43 grams)
Finish:	Black anodized
Dielectric Material:	Teflon
Contact Size:	Inner (Center) Contact Probe: 0.1" (2.54 mm). Outer Contact Probes: Ten each 0.06" (1.59 mm) diameter at 0.258" (6.56 mm) bolt circle.
Min. Sample:	0.32" (8.2 mm) diameter

Probe Spring:	Force/Test 3.5 lbs (1.6 kg)
Probe Travel:	0.3" (7.8 mm)
Connection:	BNC with outer source and inner sense connections
Cable:	RG-174 coaxial cable equipped with insulated BNC couplers, and BNC/Banana adapter for connection to Prostat PRS-801 Resistance System.
Power:	Not applicable. Fixture powered by resistance instrument.

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Specifications subject to change without notice.
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