



## PRF-912B Micro Probe

The Prostat PRF-912B Miniature E12 Micro Probe Set accurately measures surface resistance of small areas up to  $1.0 \times 10^{12}$  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

<b>Range:</b>	0.9 – $1.0 \times 10^{12}$ Ohms (1.0E+12)
<b>ASTM D-257:</b>	Correction from ohms to ohms/square Multiply by 10
<b>Dimensions:</b>	<b>Length:</b> 5.9" (150 mm) without probe cover. 6.5" (165 mm) with probe cover. <b>Probe Diameter:</b> 0.5" (12.7 mm). <b>Probe Cover Outer Diameter:</b> 0.63" (16 mm).
<b>Probe Weight:</b>	1.5 ounces (43 grams)
<b>Finish:</b>	Black anodized
<b>Dielectric Material:</b>	Teflon
<b>Contact Size:</b>	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.
<b>Min. Sample:</b>	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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