



Resistance System, and an insulated test bed.

## PRF-914B High Resistance Micro Probe

The Prostat PRF-914B Miniature E14 Probe Set accurately measures surface resistance of small areas up to  $1.0 \times 10^{14}$  ohms. It consists of a PRF-914B Concentric Resistance Fixture, dual shielded cables equipped with SMA and 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-914B is designed to work with a precision wide range resistance instrument, such as the PROSTAT PRS-801

## Specifications

<b>Range:</b>	0.9 to greater than $1.0 \times 10^{14}$ Ohms (1.0E+14)
<b>ASTM D-257:</b>	Correction from ohms to ohms/square Multiply by 10
<b>Dimension:</b>	<b>Length:</b> 6.3" (160 mm). <b>Diameter:</b> 0.5" (12.7 mm). <b>High resistance cable connection end:</b> 0.88" (22.5 mm) x 0.68" (17.3 mm)
<b>Contact Size:</b>	<b>Inner (Center) Contact Probe:</b> 0.1" (2.54 mm). <b>Outer Contact Probes:</b> Ten each 0.06" (1.59 mm) diameter at 0.258" (6.56 mm) bolt circle.
<b>Cables:</b>	Dual RG-174 coaxial cables equipped with SMA connectors. Instrument Adapter for connection to Prostat PRS-801 Resistance System equipped with BNC male terminals to fit cable BNC female fittings.
<b>Connection:</b>	Dual SMA with Source on the right and Sense of the left with ground.

<b>Min. Sample:</b>	0.32" (8.2 mm) diameter
<b>Probe Spring:</b>	Force/Test 3.5 lbs (1.6 kg)
<b>Probe Travel:</b>	0.3" (7.8 mm)
<b>Probe Weight:</b>	2.0 oz (57g)
<b>Finish:</b>	Black anodized
<b>Dielectric Material:</b>	Teflon
<b>Power:</b>	Not applicable. Fixture powered by resistance instrument.

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