



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 1.0×10^{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

Range:	0.9 to greater than 1.0×10^{14} Ohms (1.0E+14)
ASTM D-257:	Correction from ohms to ohms/square Multiply by 10
Dimension:	Length: 6.3" (160 mm). Diameter: 0.5" (12.7 mm). High resistance cable connection end: 0.88" (22.5 mm) x 0.68" (17.3 mm)
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.
Cables:	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.
Connection:	Dual SMA with Source on the right and Sense of the left with ground.

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)
Probe Weight:	2.0 oz (57g)
Finish:	Black anodized
Dielectric Material:	Teflon
Power:	Not applicable. Fixture powered by resistance instrument.

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1072 Tower Lane, Bensenville, IL 60106 USA
Phone +1 (630) 238-8883 Fax +1 (630) 238-9717
Web access: <http://www.prostatcorp.com>

Specifications subject to change without notice.
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