

Miniature Two-Point Probe PRF-922B



Accurately measures point-to-point resistance of small areas from 0.90×10^{12} ohms.

The PRF-922B Miniature Two Point probe accurately measures point-to-point resistance of small areas. Like Prostat's PRF-912B Miniature Concentric Ring, the PRF-922B is capable of measurements up to 1.0×10^{12} ohms. Built-in distance stops provide consistent electrode to sample pressure for developing repeatable measurements. Use the PRF-922B to measure small material samples, hard to assess molded areas, edges of parts, tray or tape cells and other very small objects and surfaces. The assembly is supplied with replaceable conductive electrode covers to enhance contact resistance on irregular surfaces and composition materials. Thus, measurements may be made with either the gold plated electrode contacts, or via conductive rubber covers.

The PRF-922B is designed to be used with a precision, wide range resistance instrument, such as the Prostat PRS-801B Resistance System, the PRS-812B Resistance Meter or the PAS-853B Wide Range Ohmmeter, and an insulated test bed. When used with the supplied conductive rubber boots, it provides point-to-point resistance measurements in accordance with ANSI/ESD STM11.13.





Data Sheet

Specifications

General Specifications	
Range	0.90 – 1.0x10 ¹² Ohms (1.0E+12) with conductive boots attached
Finish	Black anodized
Dielectric Material	Black Delrin
Contact Size	Electronic quality gold plated contact pins: 0.1" (2.54 mm) diameter Conductive synthetic rubber contact boots: 0.123" (3.12 mm) diameter Outer distance between the 2 contact pins: <ul style="list-style-type: none"> - without rubber boots attached: 0.325" (8.26mm) - with rubber boots attached: 0.355" (9.02mm) Outer diameter of the probe assembly: 0.49" (12.45mm)
Min. Sample	Planar material: 0.125" (3.175mm) wide having a length of 0.325" (8.26mm) Molded parts (3 dimensional): 0.491" (12.46mm) diameter
Probe Spring	Force/Test 1.5 lb (0.68 kg)
Probe Travel	0.25" (6.4 mm) Self-limited
Connection	BNC with outer source and inner sense connections
Power	Not applicable. Fixture powered by resistance instrument

Physical Specifications	
Length	6.75 inches (171mm) without probe covers 8.25 inches (210mm) with probe covers
Probe Diameter	0.49 inches (12.45mm)
Probe Cover Diameter	0.60 inches (15.25mm)
Weight	2.0 oz (58g)

PRF-900L Adapter Lead	
Length	5 feet (160 cm)
Connection to Microprobe	4mm BNC Female Connector
Connection to Resistance Meter	2 each Banana Plugs Distance Center to Center: 0.75" (19 mm)
Rated Values	600 V, CAT III / 1000 V, CAT II
Surface Treatment Electrical Contact	Au; Ni
Color	Cable: Black Banana Plugs: 1 Red, 1 Black
Approvals	RoHS, UL, CE, UKCA

PRF-MR10 Adapter Boots	
Material	Rubber
Resistance	Less than 2 ohms
Height	0.115 inches (2.92mm)



Diameter	0.123 inches (3.12mm)
Color	Black

Phone +1 (630) 238-8883 Fax +1 (630) 238-9717

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