



Ground Zero Electrostatics PRF-922 Miniature Two-Point Probe

PRF-922 Miniature Two-Point Probe

This Two Point Probe accurately measures point-to-point surface resistance of small areas



Item Number
PRF-914

Contents

- ☼ PRF-922 Miniature Two-Point Probe
- ☼ Shielded Cable with BNC Connectors
- ☼ BNC to Male Banana Adapter Probe cover
BNC Connection cover
- ☼ 1 set Conductive Rubber Ring Adapters
- ☼ 1 each Spare Center Electrode Contact
- ☼ 2 each Spare Outer Contact Pins

Options:

- ☼ PRV-913 Two-Point Micro Probe Verification
Fixture

Packaging

Weight: 1 lbs (0.5 kg)
Length: 8.25 Inches (21 cm)
Width: 7.5 Inches (19 cm)
Height: 3.5 Inches (8.5 cm)

The PRF-922 Miniature Two Point probe (E12 Micro Probe) accurately measures point-to-point surface resistance of small areas. Like Prostat's PRF-912 Miniature Concentric Ring, the PRF-922 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-922 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-922 is designed to be used with a precision, wide range resistance instrument, such as the PROSTAT® PRS-801 Resistance System, and an insulated test bed. It provides point-to-point surface resistance measurements in ohms.

Specifications

Range:

0.9 – 1.0×10^{12} Ohms ($1.0E+12$)

Dimensions:

Length: 7.0 inches (178 mm) without probe cover. 7.70 inches (195mm) with probe cover. Probe diameter 0.5 inches (12.7mm). Probe cover outer diameter 0.63 inches (16mm).

Probe Weight:

2.0 ounces (58 grams)

Finish:

Black

Dielectric Material:

Black Delran

Contact Size:

Electronic quality gold plated contact probes: 0.1-inch (2.54mm) diameter.
Conductive synthetic rubber contact boots: 0.125-inch (3.18mm) diameter.
Probes center-to-center spacing: 0.250 inch (6.35mm)

Min. Sample:

0.32 inches (8.2mm) diameter

Probe Spring:

Force/Test 1.5 pounds (0.68 kg)

Probe Travel:

0.25 inches (6.4mm) Self-limited.

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 Instrument

Power:

Not applicable. Fixture powered by resistance instrument.

