

# Microconcentric Pen Probe

Part Number: 09-0103



*Finally, a miniature Concentric Ring Probe that is well-designed at an affordable price. It works with most popular megohm meters, electrometers or even multimeters (for conductive materials). The Pen Probe family has handsome features, ergonomic grip and replaceable tips for long lasting performance.*

## APPLICATIONS:

Surface Resistance measurements for small parts according to ANS/ESDA 11.11

Surface Resistance characteristics of small samples, small parts or those with fine features or irregular surfaces.

ESD laboratory measurements

Incoming Quality measurements

Production line audits

Field audits

Conductive rubber pads ensure good contact to hard surface of sample.

Spring loaded probes conform to surfaces of different smoothness and topographies.

## FEATURES:

- Light Weight Pen-shape Probe.
- Ergonomic Grip
- Lacquered Solid-Braass Barrel
- BNC Connector
- Teflon Dielectric Material
- Optional Spring Force Limiter
- ATE-Quality Pogo Pin Probes
- Replaceable Probe Pins and Contacts
- Conductive Rubber Contacts
- Meets ESDA 11.11 and ASTM-D-257

FEATURES:



**BNC connector for solid signal connection.**  
Removeable connection for easy storage.



**Six-foot (6') thin-line BNC-BNC coaxial cable for interference-free measurements.**  
Inner signal and outer ground shielded cable.



**BNC-Banana jack adapter used for most megohm meters and multimeters.**

SPECIFICATIONS:

<b>Physical Dimensions</b>	Length: 5.9" (150mm) without cover, 6.5" (165mm) with cover. Probe diameter: 0.5" (12.7mm); Cover diameter: 0.63" (16mm)
<b>Probe Weight</b>	3.0 oz. (85 grams)
<b>Body</b>	Brass, acrylic and Teflon
<b>Finish</b>	Blue Lacquer on Brass, Laser Marked
<b>Dielectric Material</b>	Teflon
<b>Contact Material</b>	Conductive Rubber Boots
<b>Pin Dimensions</b>	Inner pin: 0.1" (2.54mm) diameter Outer pins: Ten each 0.06" (1.59mm) diameter at 0.258" (6.56mm) bolt circle.
<b>Pin Properties</b>	Field-replacable, spring-loaded, pogo-pin type ATE quality probes. Beryllium Copper with minimum 60 microinch hard gold.
<b>Spring Force at Test</b>	3.5 lbs. (1.6 kgs.)
<b>Total Travel at Test</b>	0.3" (7.6mm)
<b>Min. Sample Size</b>	0.32" (8.2mm) diameter
<b>Connection</b>	BNC with inner source and outer sense connections
<b>Cables</b>	75 ohm thin-line coaxial cable BNC to BNC.
<b>Power</b>	Not applicable. The probes are used in conjunction with megohm meters, electrometers.  However, high voltage with limited current may be present on the source (outer) leads of the probes.
<b>Warranty</b>	Limited One Year