

# Miniature Point-to-Point Resistance Probe

model **96164**

## Features:

- Measures resistance characteristics of irregular shaped objects such as DIP tubes and thermoformed plastic carriers.
- Constructed with two 0.125" (3.18mm) diameter spring contact, conductive rubber faced electrodes mounted 0.125" (3.18mm) between inside edges of electrodes to meet ANSI/ESD STM11.13
- Probe is lightweight and portable. Conductive elastomer provides outstanding surface contact.
- Connection is compatible with any resistance meter that utilizes standard banana plugs.
- Includes adapter for use with Monroe model 292

Connection to Monroe Model 291 is shown below.



**Warning:** During use, excitation voltage appears between the two spring contacts.  
**DO NOT TOUCH THE CONTACTS!**



## Test Method:

Attach probe to resistance meter. Connect the red wire to voltage source jack of the resistance meter, if identified. Connect the black wire of the input (sense) jack of the resistance meter, if identified. Connect the green wire to a shield ground if available and identified.

For use with Monroe model 292: connect red wire to 292 using adapter provided.

Apply pressure to probe such that springs are compressed but not bottomed out. Note reading.

**(Caution!!)** Do not apply side pressure to electrodes. If pins bend the probe will become nonfunctional.)

## Maintenance:

Contamination on conductive elastomer may cause inaccuracies when making low resistance

## **Miniature Point-to-Point Resistance Probe model 96164**

### **Specifications:**

#### **Physical Dimensions**

**Probe:** 7" length x 0.53" diameter  
(170 mm x 13.5 mm)

**Cable Length:** 3 feet

#### **Calibration:**

Monroe Electronics instruments are factory-calibrated prior to shipment. Recalibration should be performed annually, or more frequently if specified by contract or company policy. Your instrument should also be recalibrated any time it has been repaired or tampered with. We are happy to recalibrate your instrument for you at a reasonable cost, or provide information and procedures on calibration upon request.

#### **Warranty:**

Monroe Electronics, Inc., warrants that each instrument and sub-assembly manufactured by them shall be free from defects in material and workmanship for a period of one year after shipment from the factory. This warranty is applicable to the original purchaser only.

#### **The finest Electrostatic instrumentation and support:**

For more than a half-century, ever since we invented the feedback--nulled electrostatic voltmeter, Monroe has been the technology and quality leader in electrostatic detection and measurement instrumentation. Today we offer the world's most complete array of fieldmeters, voltmeters, and resistivity meters. Our customers include the leading makers of photocopiers and laser printers, converters and microelectronics worldwide.

We know you need quality support as well as quality products. We pride ourselves on providing our customers with the most knowledgeable applications and installation support — as well as superior customer service.

#### **How can we help?**

Contact your Monroe Electronics representative for price and delivery information on this and other ME products, to schedule a no-obligation demonstration at your convenience. For the name of your nearest dealer, or for technical or applications assistance, contact Monroe Electronics directly at the address and numbers below.

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