Cylinder Probes
Installation, Operation and Maintenance

Made in the United Kingdom

Figure 1. 222009 Probe Kit

Description

The Cylindrical Probe is to be used in conjunction with a resistance meter to measure resistance to ground, point-to-point resistance and volume resistance in accordance with EN 61340-5. The probe has non-marking highly conductive pads. A cap is supplied with the probes that protects the pad when not in use. The insulating jacket and shape aid grip - insulation resistance is approximately 1 x 10^6 ohms.

Packaging

Remove the test unit from the carton and inspect for shipping damages.

222008 Cylinder Probe

1 Cylinder Probe

222009 Cylinder Probe Set

2 Cylinder Probes
1 Carry Case

Instructions for Use

Resistance to ground

Test resistance to ground to ensure that the conductive surfaces in the EPA are correctly grounded.

1. One cylindrical probe is required for this measurement.
2. Connect the probe to a megohm meter and place it on the surface to test.
3. Connect the other ohmmeter lead to earth or to an ESD ground point.
4. Measure the resistance at 100 V test voltage.

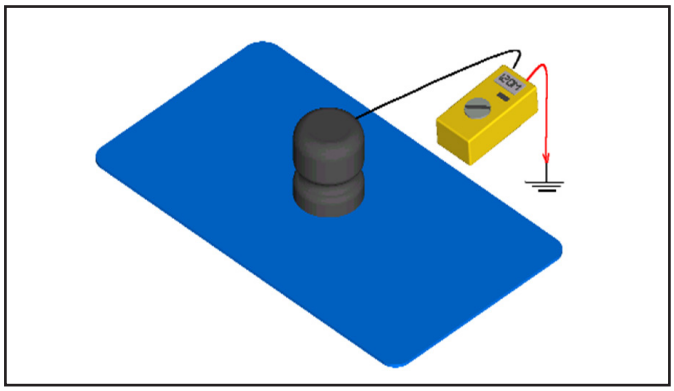

Figure 2. Resistance to ground test

Point-to-point resistance

Measure point-to-point resistance to check material properties.

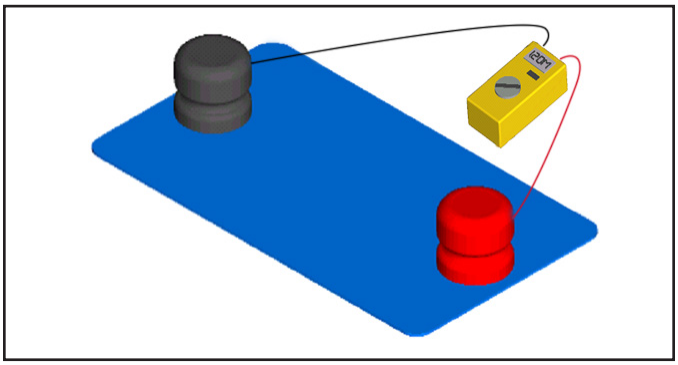

Figure 3. Point-to-point resistance test

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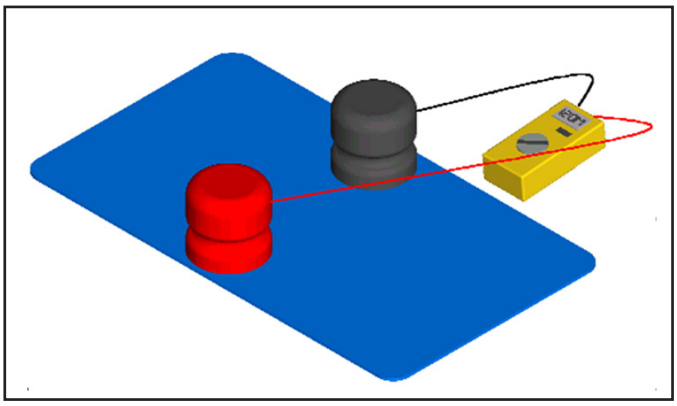

Figure 4. Point-to-point resistance test

1. Two cylindrical probes are required for this measurement.
2. Connect the probes to a megohm meter.
3. Place the material to be tested on an insulative surface such as clean glass and place the probes on the material.
4. Measure the resistance at 100 V test voltage.
5. Move the probes so as to measure in a cross direction and repeat the test.

Volume resistance

Measure volume resistance to check material properties

1. Two cylindrical probes are required for this measurement.
2. Connect the probes to an ohmmeter.
3. Sandwich the test material between the two probes; the lower probe should be upside down so that its conductive rubber surface contacts the material to test. The two probes should be placed in line as precisely as possible.
4. Measure the resistance at 100 V test voltage.

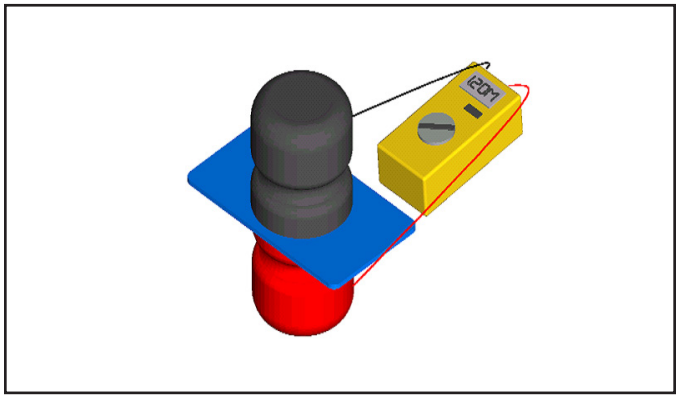

Figure 5. Volume resistance test

Specifications

Weight	2.3 kg
Dimensions	67 mm x 87 mm ± 4 mm
Diameter of contact surface	63 mm
Probe internal resistance	< 200 ohms at low test voltage

Limited Warranty, Warranty Exclusions, Limit of Liability and RMA Request Instructions

See the Desco Europe Warranty - DescoEurope.com/Limited-Warranty.aspx

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