

A-402 Set Universal Resistance Checker with 2 Resistance Probes

Measures Surface Resistance, Surface to Ground, and Point to Point Resistance



Features:

Surface Resistance checker with two surface resistivity probes

The probes allow for measurement of larger surfaces (e.g. lab-coats, etc.)



A-400 Checker features:

- Measures surface resistance, surface resistance to ground, and point to point resistance.
- Easy to use. It is supplied with 2 cables for point to point resistance checks.
- Extended 10e12 range of readings in ohms per square for surface resistivity measurements and in ohms for surface resistance to ground and point to point resistance.
- Portable and light. It uses 9-volt battery.

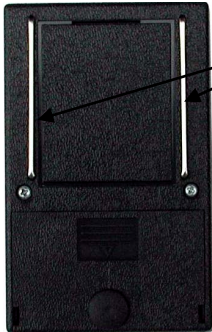


Package includes:

1. A-400 Universal Resistance Checker
2. Two lead wires for point to point measurements
3. A-SRP Set of two Resistance Probes, 5lb each.
4. Manual and Warranty Card
5. Certificate of Calibration
6. 9-volt battery

Three functions of A-400 Universal Resistance Checker

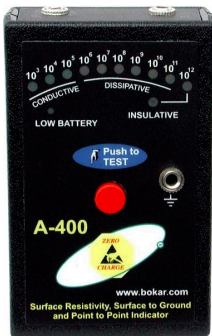
A: Surface Resistance check



Pair of electrodes to measure surface resistance

For Surface Resistivity Readings: Place the meter on the surface being tested and press the center button labeled TEST. If the LED labeled 10^6 illuminates, the test surface has a surface resistivity of 10^6 ohms per square or less. If the LED labeled “insulative” illuminates, the surface under test has surface resistivity greater than 10^{12} ohms per square. (Be sure the ground wire is not connected through the ground jack when surface resistivity is measured.)

B: Surface Resistance to Ground check

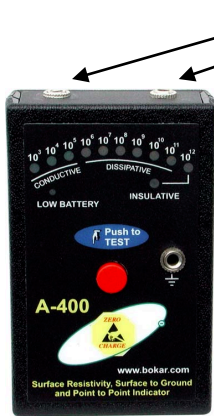


The ground jack used when measuring Surface to Ground Resistance

Place the meter on the surface being tested. Connect the meter to a known ground through the ground jack. Note: When the ground wire is connected through the ground jack, the meter will not measure surface resistivity.

Press the center button labeled Test and the LED will illuminate to indicate the resistance to ground. If the LED labeled insulative illuminates, the resistance to ground of the test surface is greater than 10^{12} ohms.

C: Point to Point Resistance check:



Jacks to connect the wires for point to point resistance check (Wires are supplied with the unit)

Place the meter on a flat surface. Connect the two test wires supplied with the meter to the jacks on top of the meter (the jacks are shown in the picture on the left). Connect the other side of the wires (crocodile clips) to the two points where resistance is to be checked.

Press the center button labeled Test and the LED illuminates to indicate the resistance between these two points. If the LED labeled “insulative” illuminates, the resistance between the two points is greater than 10^{12} ohms.

Technical specifications:

Range	Automatic form $10^3 \Omega/\text{Sq}$ to $10^{12} \Omega/\text{Sq}$ for Surface Resistance check and $10^3 \Omega$ to $10^{12} \Omega$ for Surface to Ground and Point to Point check
Display	LED's - one per decade.
Accuracy	$\pm 10\%$
Changeover Point	$\frac{1}{2}$ decade on a logarithmic scale ($3.16 \times 10n$)
Changeover Point Accuracy	$\pm \frac{1}{2}$ decade
Power	9-volt battery. Battery Life over 40 hours of continuous use
A-400 Dimensions	2.40" x 1.02" x 3.78" (61mm X 26mm X 96mm)
A-400 Weight	6 ounces (170g)
A-SRP Dimension	$\varnothing 2.56"$ x 4.8" height ($\varnothing 65\text{mm}$ x 122mm height)
A-SRP Set weight	10 lb, (2x 5 lb each) (4.52 kg, 2.26kg each)
Packaged weight	15 lb (6.8 kg)

NOTE

Bottom/Red Light on the tester indicates BATTERY LOW.
The test is not valid when this light is on.



- SMT:** www.Assembly-SMT.com www.SMT-tool.com www.X-Reflow306.com,
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