

Making Measurements in High Humidity

The PROSTAT Resistance meters are very technical instruments with a wide range measurement capability. As with any sensitive electronic equipment, high humidity can have an effect on the instruments operation.

High Relative Humidity (above 50%) can cause deposits of moisture on instrument circuitry. This moisture could cause erratic operation when attempting to measure very high resistance (at or above 1.0×10^{11} Ohms). To minimize the affect of humidity, operate the PRS-801 Resistance System or PRS-812 Resistance Meter for several minutes (5 minutes or longer) to help dry out the circuit. To obtain more accurate high resistance measurements in high humidity situations, use the instruments manual mode. Measurements made in manual mode will minimize erratic readings and provide more stable measurements.



PRS-801 Resistance System Set



As always, if you have any questions regarding your PROSTAT instruments, their operation or making measurements, please contact us.