

SC-1 Leaf Porometer

Leaf Porometer – using the Desiccant

Each day before taking a measurement, check the desiccant in the screw-in cap. If the desiccant colour is pink it must be replaced with fresh material. **IMPORTANT** - Caution should be taken when refilling the desiccant cap to avoid overfilling. The edge of the cap must make good contact with the O-ring inside the chamber, as shown in the diagram below. If too much desiccant is placed in the cap it can create a minute air gap between the cap and O-ring, and interfere with the function of the humidity sensors inside the chamber. This is a common cause of incorrect readings, and in some cases an error message will be displayed. After refilling with desiccant, make sure the edge of the cap is completely clean of all desiccant particles before inserting it into the chamber body.

Note to reduce the time taken to equilibrate the chamber, always use the small white balls inside the chamber. After each measurement you will need to shake the chamber for up to 30 seconds to agitate the air inside. This is normal, as the desiccant needs time to absorb any humidity in the chamber.

A good indication of the performance of the desiccant is to observe the first measurement of the day. When the chamber has been closed up for a long period, such as an hour or more, the air inside should be completely dry. There should be no need to equilibrate the chamber prior to taking the first reading.

