



SC-1 LEAF POROMETER

METER



SUPPORT

Have a question or problem? Our support team can help.

We manufacture, test, calibrate, and repair every instrument in house. Our scientists and technicians use the instruments every day in our product testing lab. No matter what your question is, we have someone who can help you answer it.

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SC-1 QUICK START

Preparation

Confirm that SC-1 components are intact. Connect the SC-1 sensor head to the SC-1 controller with the serial port and install the batteries into the SC-1 controller.

Fill the black desiccant chamber approximately 3/4 full with fresh desiccant. Orient the black desiccant chamber vertically so the desiccant does not spill into the cavity and carefully screw it into the aluminum block cavity.

CAUTION: Do not add desiccant to the aluminum block cavity and screw in the black desiccant chamber or the desiccant chamber and Teflon filter will be permanently damaged.

Confirm the weather will be clear of precipitation and wait for dew or other water to evaporate.

Equilibrate the SC-1 to the ambient temperature at the measurement site. This may take 10 min or longer, depending on the environment. Only verify and calibrate the sensor in field conditions.

Read the full [SC-1 User Manual](http://metergroup.com/sc1-support) at metergroup.com/sc1-support. All products have a 30-day satisfaction guarantee.

Calibration

METER recommends verification before every day of use or for every different set of environmental conditions. A video tutorial of the calibration process is presented at metergroup.com/environment/articles/quick-guide-calibrating-sc-1-porometer or detailed instructions are in the [SC-1 User Manual](#).

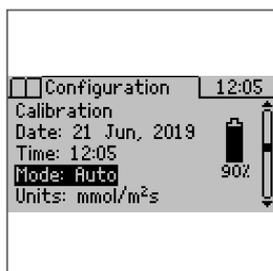
Measurement

1. Configure SC-1 Controller

Turn SC-1 on.

Use **MENU** to navigate to the Configuration tab.

Set the SC-1 date, time, mode, and units.

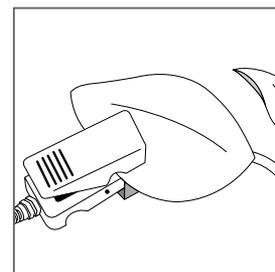


2. Orient Leaf

Choose to measure adaxial (the top of the leaf) or abaxial (the bottom of the leaf) conductance, depending on plant type and desired data.

Orient the leaf appropriately for the measurement. The desiccant chamber must always be oriented down.

NOTE: Nearly all measurements are made on the abaxial surface, as pictured.

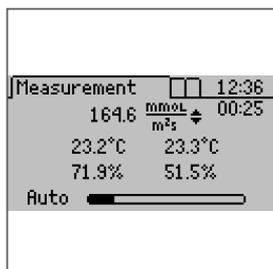


3. Place Sensor Head on Leaf

Squeeze the leaf clip, quickly slide the leaf inside, and allow the leaf clip to close gently.

The reading will begin after the leaf clip has been opened and closed. A progress bar and a countdown timer show measurement status.

Promptly remove the sensor after the measurement is finished to speed equilibration time between measurements.



4. Save Data

Choose to save, annotate, or discard the data

