

Document Title: SC-1 Leaf Porometer, Quick Start		Part # Revision 10243	
		Release Date: 01/17/07	
Rev.	Description	Revision By	Date
-01	Address Change	Laura	1-17-07
-02	Update images and new sensor head features	DDH	12-14-11
Time - Date	Uploaded Quick Start to repository. Online at http://publications.decagon.com . Please ask archivist for previous versions or use Beanstalk application.	NJR	10/28/13

Decagon Production File Name:

http://manuals.decagon.com/10243_SC-1 Leaf Porometer_Print.pdf

Vendor Production File Name

http://manuals.decagon.com/10243_SC-1 Leaf Porometer_Web.pdf

Dimensions: 5.50 inch wide, 8.50 inch tall

Colors: Full Color

Material: Fiber Gray Card Stock (14595)

Finish: Laminate 6 x 9 (14581)

Adhesive: None

Serialization: None

Serial Number Example: NA

Serial Number Text: NA

Special Notes: Pages are duplexed front to Back
Illustration is Ref Only

****Not to scale ****

Leaf Porometer Quick-Start Guide

Read this before using your Leaf Porometer

Taking a Reading

1. Connect the sensor head to your Porometer via the serial port. Press the Power button on the keypad.

2. While on the Main screen, press Enter to begin the reading.

3. Place the sensor on the top or bottom of the leaf, as indicated by the pictures. *Make sure not to touch the leaf with the disk!*

Measuring top of leaf



Measuring bottom of leaf



2. A progress bar will appear, indicating that a reading is taking place.

MEASUREMENTS		SETTINGS	
96.9	mmol/m²/s	152.4	mmol/m²/s
23.8°C	23.8°C	25.1°C	25.1°C
70.9%	RH		
RTU			

3. Once the reading is complete, save the reading by selecting a save method and pressing Enter. Selecting "AutoSave" allows you to save the measurement you are using. Use the arrow keys to select a letter or number. Press Enter to move to the next character, or Escape to move to the previous one. Holding down the up or down arrow key will scroll through the alphabet quickly and will allow you to more easily choose a character. When you have finished, press Enter and you return to the Main screen.

PRINTING CONTROL	
152.4	mmol/m²/s
25.1°C	25.1°C

Modes

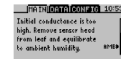
Use Auto or Manual mode to take readings, based on your leaf's stomatal conductance:

- Use Auto mode for conductances between 5 to 1000 mmol/m²/s
- Use Manual mode for conductances lower than 5 mmol/m²/s

Go to the Configuration menu to change the mode.

Troubleshooting

1. If the following screen appears when a sensor is placed on the leaf, open the sensor and shake it back and forth until the bar drops below the ambient number. Do not blow into the sensor; this can cause inaccurate readings when the measurement begins.



2. If you began a reading in Auto mode, and nothing happens, this means that your actual stomatal conductance is lower than 5 mmol/m²/s. This is the minimum limit for taking readings in Auto mode.

Cautions

- Avoid leaves that are wet or heavy with dew; correct this readings in rain.
- Don't touch the Teflon disk with your fingers, or get your fingers close it, during a reading; this will adversely affect your stomatal conductance reading.
- Never blow into the sensor.
- Clean the sensor periodically with a dry swab to keep it free of dirt and pollen that can build up during use and affect readings.
- Avoid chemical fumes, which can be extremely harmful to the sensor (i.e. alcohol, gasoline, foam). Consult the manual for more information.



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