DECAGON'S NEW steady-state Leaf Porometer is a light-weight, menu-driven instrument for measuring stomatal conductance. It does this by putting a leaf in series with two known conductance elements, and comparing the humidity measurements between them.

This new porometer has two modes, automatic or manual. The auto mode eliminates subjectivity of measurement by calculating the final conductance based on measurement of conductance over a set period of time. You can also make your own final determination of conductance by using it in the manual mode.

more ▶

Leaf Porometer model SC-1

- **Automatic Sampling Mode Removes User Subjectivity**
- **No Daily Calibration**
- **No Tubes, Pumps, Fans, Moving Parts Or Heavy Equipment**
- **Accurate Steady-state Measurement**
- **Very Simple, Easy-to-use Interface**
- **Includes Software Utility For Downloading Data**
- **Low Cost "AA" Alkaline-battery Powered**
- **Non-destructive**

► The Leaf Porometer has an easy-to-use menu-driven interface, allowing you to use and manage your data. You can also add notes and comments to your saved data for later data analysis. The Leaf Porometer includes a user-friendly software utility for downloading data to your computer.

SPECIFICATIONS

Conductance range
0 to 500 mmol m^{-2} s^{-1}

Operating Environment
5 to 40 °C, 10 to 90% RH, non-condensing

Power
4 AA alkaline cells

Battery life
More than 1 year

Data storage
4095 measurements in flash memory

Interface
9 pin serial RS232 interface

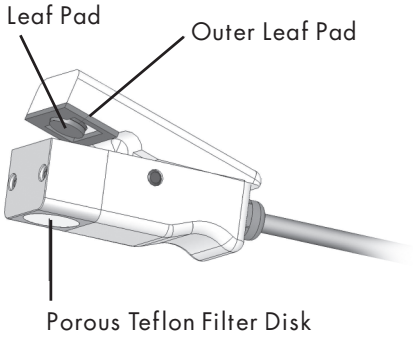
Measurement aperture
6.3 mm (0.25") diameter

Sensor head cable length
1.2m (4ft)

Manual and Auto Read mode options

Measurement time in Auto mode
30 seconds

Units
mmol $m^{-2}s^{-1}$, m^2s mol^{-1}, s/m



Applications

- Water use and water balance.
- Water stress measurements.
- Herbicide and pollutant uptake studies.
- Research on stomatal functions.
- Teaching and student labs.

■ Non-destructive sensor clip.

DECAGON DEVICES

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