

# SC-1 Leaf Porometer



**The SC-1's** breakthrough steady-state technology makes accurate stomatal conductance measurements affordable and practical for everyday research.

## No Moving Parts

The SC-1's steady state design means that it has no moving parts. It leaves the environment alone, and instead determines stomatal conductance by measuring the actual vapor flux from the leaf through the stomates and out to the environment.

## Lightweight, Easy to Carry

The porometer weighs about 300 g. You don't have to haul it around the field with a neck strap; and if you get tired of carrying it, you can put it in your pocket.

## Save and Download Data

Readings can be displayed as either conductance or resistance and saved for downloading later (RS232 cable and download utility software included).



**Solutions for soil, plant & environmental monitoring**

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# SC-1 Leaf Porometer Specifications

<b>ACCURACY</b>	10% of measurement
<b>CONDUCTANCE RANGE</b>	0 to 1000 mmol m-2s-1
<b>OPERATING ENVIRONMENT</b>	5 to 40°C, 0 to 100% RH, with desiccant chamber
<b>POWER</b>	Four "AA" batteries
<b>BATTERY LIFE</b>	3 years (battery drain in sleep mode < 50 µA)
<b>MEASUREMENT UNITS</b>	mmol m-2s-1, m2/s mol-1, s/m
<b>DATA STORAGE</b>	4095 measurements in flash memory
<b>COMPUTER INTERFACE</b>	9 pin serial RS232 interface
<b>APERTURE DIAMETER</b>	6.35 mm
<b>SENSOR HEAD CABLE LENGTH</b>	1.2 m (4 ft)
<b>DESICCANT</b>	Indicating DrieRite, 10-20 mesh
<b>MEASUREMENT TIME</b>	30 s (in auto mode)



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