



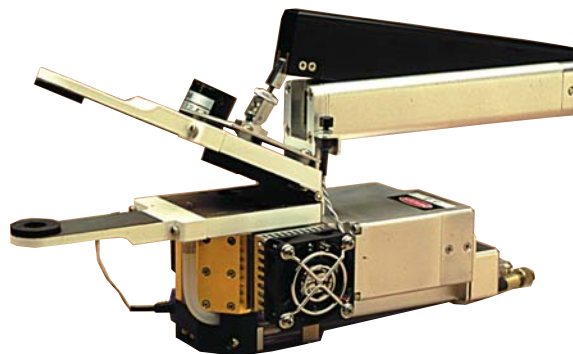
6400-15 Extended Reach 1 cm Chamber

LI-6400 Portable Photosynthesis System

Product Bulletin

Description

The 6400-15 Extended Reach 1 cm Chamber was designed for measurement of small leaves, particularly leaves such as Arabidopsis, which are difficult to clamp with conventional chambers. This chamber has clear apertures for natural illumination of the top and bottom of the leaf. The apertures are 1.0 cm in diameter and are positioned 8.5 cm away from the main body of the IRGA. This design allows researchers to access and measure small leaves that are tightly bunched together. Until now, these were difficult, if not impossible, to measure.



The chamber aperture is covered with a clear Propafilm® window. These windows offer excellent light transmission with very little thermal trapping and minimal water sorption. They are also easily replaceable and economically priced, so that properties can be maintained. Leaf temperature is computed using energy balance by thermocouple measurement of air exiting the chamber and radiation measurement with a standard quantum sensor.

The chamber is made of plated aluminum for low water sorption and a durable finish. The outside of the chamber is covered with a durable white paint for improved energy balance.

Ordering Information

• **6400-15 Extended Reach 1 cm Chamber.** Includes air temperature thermocouple, 10 sets of spare gaskets, Propafilm® and other miscellaneous consumables. Requires external quantum sensor (9901-013).

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