

# Net Canopy CO<sub>2</sub> Flux



\*Optional collars are available for the CPY-4 Canopy Assimilation Chamber from PP Systems.

## CPY-4 Canopy Assimilation Chamber

The CPY-4 Canopy Assimilation Chamber is ideal for measurement of net canopy CO<sub>2</sub> flux on low-lying vegetation and fruit. Constructed of rugged polycarbonate, the interior of the transparent chamber includes a user-adjustable PAR (Photosynthetically Active Radiation) sensor and an air temperature sensor near the soil surface. An air mixing fan and custom manifold system ensures uniform circulation within the chamber. An aluminum ring provides a good seal on the soil surface or on collars.\* The Water Vapor Equilibrator comes standard.



**Dimensions** 145 mm (H) x 146 mm (Dia)  
**Area** 167 cm<sup>2</sup>

**Cable Length** 1.5 m  
**Weight** 0.9 kg

**PAR Sensor** Fully cosine corrected  
**Range** 0 - 3000  $\mu\text{mol m}^{-2} \text{s}^{-1}$   
**Accuracy**  $\pm 5 \mu\text{mol m}^{-2} \text{s}^{-1}$   
**Precision** 1  $\mu\text{mol m}^{-2} \text{s}^{-1}$

**Temperature Sensor (Precision Thermistor)**  
**Range** 0 - 50 °C  
**Accuracy**  $\pm 0.5 \text{ }^\circ\text{C}$  at 25°C

*The CPY-4 Canopy Assimilation Chamber is compatible with the CIRAS-1 and CIRAS-2 Portable Photosynthesis Systems, and the EGM-1 through EGM-4 Portable CO<sub>2</sub> Gas Analyzer models.*

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