Net Canopy CO_2 Flux

** Optional collars are available for the CPY-5 Canopy Assimilation Chamber from PP Systems International.*

CPY-5 Canopy Assimilation Chamber

The **CPY-5 Canopy Assimilation Chamber** is ideal for measurement of net canopy CO_2 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)	**Cable Length**	1.5 m
Area	167 cm^2	**Weight**	1.05 kg

PAR Sensor	Fully cosine corrected
Range	0 - 3000 µmol m^{-2} s^{-1}
Accuracy	± 5 µmol m^{-2} s^{-1}
Precision	1 µmol m^{-2} s^{-1}

Temperature Sensor (Precision Thermistor)	
Range	-5 °C to 50 °C
Accuracy	± 0.5 °C at 25°C

*The **CPY-5 Canopy Assimilation Chamber** is compatible with the CIRAS-4, CIRAS-3 and TARGAS-1 Portable Photosynthesis Systems, and the EGM-5 Portable CO_2 Gas Analyzer.*

CIRAS-4 CIRAS-3 TARGAS-1 EGM-5

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