

Plant Photosynthesis Meter

Introduction:

It can measure parameters such as gas CO₂ concentration, air temperature and humidity, leaf temperature, photosynthetically active radiation (photosynthetic photon flux density), gas flow rate, and atmospheric pressure. Additionally, it can be used independently as a CO₂ recorder. It is applicable to professional research in fields such as biology, agronomy, and microbiology, and is suitable for use in colleges and universities, research institutions, environmental protection enterprises, meteorological bureaus, and landscape architecture bureaus.



Features:

- * 7-inch high-sensitivity touch screen.
- * It can measure 16 parameters, including: carbon dioxide concentration, etc.
- * Automatic data storage: The instrument automatically saves measured data to prevent data loss caused by unexpected shutdown due to power depletion.
- * Tabular data export: Data can be exported to a computer in Excel format via a USB cable for secondary analysis.
- * Wireless transmission support: Data can be uploaded to a cloud platform.

Technical Parameters:

Model	PPM-3080D	
CO ₂	Measure Range	0~5000ppm
	Resolution	1ppm
	Accuracy	±3ppm
Leaf Temperature	Measure Range	-20~60°C
	Resolution	0.01°C
	Accuracy	±0.2°C
Leaf Chamber Temperature	Measure Range	-20~80°C
	Resolution	0.01°C
	Accuracy	±0.2°C
PARin(Optional)	Measure Range	0~3000μmol/m ² ·s
	Accuracy	±5μmol/m ² ·s
	Response Wavelength Range	320~730nm
PARout	Measure Range	0~3000μmol/m ² ·s
	Accuracy	±5μmol/m ² ·s
	Response Wavelength Range	320~730nm
Humidity	Measure Range	0~100%RH
	Resolution	0.01°C
	Accuracy	±0.5%
Leaf Chamber Size	Type I: 30*10mm	
	Type II: 30*20mm(Standard)	
	Type III: 30*30mm	
	Type IV: 30*20mm(LED red and blue light sources)	
Power Supply	13.8V 8.8AH rechargeable lithium battery	
Packing Size(W*D*H)	550*400*250mm	
Gross Weight	10kg	

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