植物光合和碳循环

调查和长期监测解决方案

PP SYSTEMS
ppsystems.com

Redefining the Boundaries of Life Science Research

EGM-5便携式CO_2气体分析仪

EGM-5便携式CO_2气体分析仪是测量土壤CO_2碳通量的首选仪器，当您的试验要求便携性，高水平的准确性和控制性，EGM-5满足您的所有这些需求。快速设置和直观的软件为实时监测、记录和记录环境传感器数据提供了高度用户友好的体验。

可选配套环可用于SRC-2土壤呼吸室（如图所示）和CPY-5群体同化室。

强大的电池技术

一个节能，可充电的锂离子电池允许长达16个小时的现场操作。

更灵活的触摸屏

大尺寸、高对比度触摸显示屏在最明亮的阳光下提供出色的可读性。

便携&可靠

紧凑轻便（1.5kg），在恶劣的野外环境条件下，坚固的铝外壳和减震聚氨酯基地提供绝对的可靠性。

内置式气体采样泵

标配微型、长寿命气体采样泵用于动态气体取样。

超低限度维护

自动调零&差分平衡技术不需返厂校准——节约您的时间和费用。

"After trying several different IRGAs, I quickly settled with EGMs. They offer highly accurate, real-time on-screen flux calculations, withstand harsh field conditions, and are very portable and affordable. I have now used EGM-4s & EGM-5s with SRC chambers in several countries."

— Louis-Pierre Comeau
Agriculture and Agri-Food Canada

可搭载各类型土壤呼吸室/同化室和环境参数探头：

Soil CO_2 Efflux

SRC-2土壤呼吸室
内置温度探头

Soil Temperature

STP-2土壤温度探头
通常与SRC-2土壤呼吸室搭配使用

Soil Moisture &
Soil Temperature

Stevens HydraProbe
土壤湿度&温度探头

Net Canopy CO_2 Flux

CPY-5群体同化室
内置空气温度和光强PAR探头

CFLUX-1全自动土壤CO_2通量监测系统

CFLUX-1全自动土壤CO_2通量系统是PP SYSTEMS土壤呼吸测定长期可靠测试技术的最新创新。CFLUX-1是一个专用的独立系统，用于长期部署和无人值守操作。 CFLUX-1全自动可编程，非常适合于空间和时间分析。

内置CO_2&H_2O气体分析仪

消除与腔室、分析器和多路复用设备之间的长距离相关的问题。依赖于精确的测量和快速的响应时间，而不管每个系统位于何处。

大体积半球形腔室（2500cm^3）

这个大的试验腔是为具有可重复放置的自动土壤测量而设计的，带有一个节能的电子执行器，以用户自定义时间间隔控制试验腔的打开和关闭。

土壤温度和土壤湿度

土壤湿度和土壤温度可以随流量数据一起测量和记录。（选配）

WiFi

从智能终端或计算机远程设置和监视系统。从世界任何地方用路由器监视器连接到本地计算机。

数据存储

可直接连接到USB闪存驱动器（记忆棒）或外部数据记录器的完整数据存储选项。

软件和数据分析

通过计算机或移动设备方便地查看传感器数据和信息。

Soil Moisture & Soil Temperature

Stevens HydraProbe
(Optional)

"I am into my second year with my CFLUX-1 systems and continue to be impressed with how low maintenance they are. They keep collecting great data with very minimal effort on my lab's part."

— Caitlin Hicks Pries
Dartmouth College

由于所有关键部件都内置在一个工作站中，因此系统在现场的放置位置没有限制。不需要多路复用分析器！

With all key components built into a single station, there is no limit to where systems can be placed in the field. No need for multiplexing chambers!

已经拥有我们的CIRAS-3或TARGAS-1便携式光合仪？

利用我们的同化室室和传感器扩展这些已经高度便携和多功能的仪器。检查下表的兼容性。

Chambers & Sensors	EGM-5	TARGAS-1	CIRAS-3
SRC-2土壤呼吸室	●	●	●
CPY-5群体同化室	●	●	●
STP-2土壤温度探头	●	●	
Stevens HydraProbe（土壤湿度和土壤温度探头）	●	●	

PP Systems has been in the soil and canopy CO_2 flux business since 1984. Trusted as the industry standard, our products are well proven, tested and widely published in scientific literature. The innovation and design built into our products is the result of many years of experience as well as working closely with experts in the field of soil and canopy flux measurement. When you compare technical specifications, performance, reliability, and reputation, you will not find better all-around, field-portable solutions for high-level research.

Accurate • Reliable • Field-Proven

PP SYSTEMS

If you would like to learn more about this application or speak with one of our experienced technical staff, please feel free to get in direct contact with us via any of the contact information listed below:

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