

NEW! LI-6878

LEAF TRACE GAS INTEGRATION SYSTEM

LI-COR®

DIVE BENEATH THE LEAF SURFACE

Reveal real time trace gas fluxes or mesophyll conductance at the leaf level.



HOW IT WORKS

The LI-6878 integrates an LI-6800 Portable Photosynthesis System with the LI-7810, LI-7820, and LI-7825 trace gas analyzers. It creates a single, unified system for leaf-level gas exchange, including trace gases and isotopic discrimination measurements.

With it, you can capture leaf-level CH_4 , N_2O , or CO_2 isotopes alongside standard photosynthetic parameters almost anywhere—in the lab, greenhouse, or field—thanks to its compact size.



KEY FEATURES

- Leaf-level CH_4 , N_2O , or CO_2 isotope measurements in real time
- Most compact system on the market, allowing for data collection anywhere
- Familiar workflow and setup for LI-6800 and trace gas analyzer users
- Built-in model for C_3 mesophyll conductance (g_m)



WHY IT MATTERS

Collecting leaf-level trace gas and isotope data used to mean an entire room of equipment, elaborate setups and plumbing, extensive post-processing, and a generous budget. The LI-6878 compresses that footprint and price tag into affordable instruments you can take where you need them. Take it to the greenhouse, lab, field, or anywhere else your plants grow.

The LI-6878 also delivers real-time computations for observed isotopic discrimination and a built-in model for C3 mesophyll conductance (g_m)—a first-of-its-kind capability. With the LI-6878, you can explore internal limitations to leaf photosynthetic efficiency, quantify plant-mediated greenhouse gas fluxes,, and so much more.



To learn more about the LI-6878 Leaf Trace Gas Integration System, visit: licor.com/LI-6878

SPECIFICATIONS

GENERAL

- Weight:** 2.285 kgs (Interface Box only)
- Operating Temperature Range:**
 - LI-6800: 0 to 50 °C
 - TGA: -25 °C to 45 °C (without solar load)
- Operating Humidity Range:**
 - LI-6800: 0 to 85%
 - TGA: 0 to 85% RH (non-condensing, without solar load)

Specifications subject to change without notice.

POWER CONSUMPTION

- Steady State:** 5.5 W while running drying pump and enabling measurement valve
- Calibration:** 1 W while enabling one calibration valve
- Maximum:** 8 W
- Power Supply:** Powered from LI-6800 Console Auxiliary Connector