



Long-term measurements of CO₂ isotopes in soil

Take your soil gas flux research to the next level with CO₂ isotope measurements. The 8250-02 Calibration Manifold enables researchers to maximize the breadth of their long-term soil gas flux system while reducing their time spent in the field.

The manifold works with the LI-7825 CO₂ Isotope/NH₃ Trace Gas Analyzer, expanding its capabilities from atmospheric to long-term measurements of soil gas flux. It also automatically adjusts the zero while on site, so researchers can achieve high-precision long-term measurements of CO₂ isotopes—along with other trace gases—with complete trust in their data.

To learn more about the Calibration Manifold, visit [licor.com/8250-02](https://www.licor.com/8250-02).

Key Features

- Measure the four most abundant CO₂ gas isotopologues in air
- Report $\delta^{13}\text{C}$, $\delta^{17}\text{O}$, and $\delta^{18}\text{O}$ with high precision and accuracy
- Automatically adjust the zero for the LI-7825 without leaving the field
- Receive power from and occupy a single port on the LI-8250 Multiplexer
- Transport and deploy easily with a compact, weather-resistant case

Specifications

Input Voltage Range: 10-30 VDC

Power Consumption:
≤6 Watts (Calibration Mode),
≤0.5 Watts (Standby Mode)

Flow Rate: 0.3 slpm (nominal)

Environmental Operating Temperature: -20 - 45°C

Operating RH: 0 to 95%, RH, non-condensing

Operating Pressure: 50-110 kPa

Input Port Pressure: 0.7 bar (10 psi) (recommended), <3.5 bar (< 50 psi) max

Weatherproof Rating: Tested to IEC IP55 standard

Physical Input Gas Ports: 4

Connectors: USB, Power, connectors for 1/8" OD tubing compression fittings (nominally 1/16" ID, type, M/F), S4J quick connects

Weight: TBD

Size: TBD

Gas Tank Usage: 6 months (based on 0.023 scm per day)

Specifications subject to change without notice