



A Complete In-field Solution for Soil CO₂ Isotope Measurements

Understanding soil carbon evolution is critical for addressing climate change, investigating the effects of land use change, and supporting sustainable agricultural practices. By measuring soil CO₂ isotopes, you can better understand the dynamics of soil processes and gain a more complete picture of your site's carbon cycle.

The LI-7825 CO₂ Isotope/NH₃ Trace Gas Analyzer, integrated with a LI-COR soil gas flux system, offers a streamlined solution to begin or expand your soil gas research with precise, field-based measurements.



To learn more about this solution, visit licor.com/soil-co2-isotopes.

Key Features

- Trace carbon sources in real time for carbon tracking and ecosystem studies
- Achieve continuous, automated, and accurate $\delta^{13}\text{C}$ measurements in the field
- Add up to 36 chambers, measure multiple trace gases, and optimize results with SoilFluxPro™ Software

Why Measure?

Every source of soil carbon—whether it's from decomposition, respiration, or weathering—has a unique CO₂ isotopic fingerprint. Tracking these sources allows you to:

- Qualify and quantify soil carbon dynamics in diverse ecosystems
- Monitor the impact of various treatments on soil health
- Verify the success of carbon capture and storage programs

Why LI-COR?

LI-COR soil CO₂ isotope systems use a novel, consumable-free water vapor equilibrator that improves measurement quality. This frees you from the frequent maintenance and high-power requirements of traditional systems, allowing you to collect dependable data with less work.

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