



PS-9620

Portable soil N₂O/CO₂ Flux System

Main Features

- It can simultaneously measure the concentration of N₂O and CO₂ with super high precision
- The analyzer utilizes MID-Infrared laser spectroscopy technology with a ppt-level precision
- No computer is required; the cell phone APP can display and control the operation
- Simple operation, one click to obtain accurate measurement results
- The results are directly displayed and stored, without the need for post-data processing
- Lithium battery DC power supply, the device is lightweight and suitable for outdoor use
- Humanized shoulder strap design, easy to carry and operate, reducing the burden
- Provides continuous concentration and flux observation to meet research needs
- Energy consumption is 35w

Introduction

Soil is an important source of greenhouse gas emissions, and accurate measurement of soil gas fluxes is essential for understanding ecosystem processes, greenhouse gas emissions, and global climate change. The PS-9620 Portable Soil N₂O/CO₂ Flux System is designed for precise measurement of soil N₂O and CO₂ fluxes in the field. It provides reliable data support for research on carbon and nitrogen cycling, agricultural emissions, and climate-related studies, making it a valuable tool for greenhouse gas monitoring and environmental research.

Specification

Greenhouse Gas Analyzer

Precision(1 σ , 1s) :

CO₂ < 440 ppb

N₂O < 200 ppt

Measurement Range

CO₂ 10ppm - 100,000 ppm

N₂O 2 ppb - 500 ppm

Operation Condition

Operation Temperature 10°C - 35°C

PS-9620 Console

Data Storage SD Card

Interface RS-232 / SDI-12 / WIFI

SC-15 Soil Survey Chamber

Measuring Area 276.27 cm²

Volume of the chamber 3136.13 cm³

Cable Length 2 m

Power requirements < 12 W

Dimensions 25.5 x 25.5 x 40.6 cm

Weight 4.55 kg

Ordering Information

1. PS-9620: 1 analyzer console (including N₂O/CO₂/H₂O analyzer); 1 shoulder strap; 1 soil temperature and humidity sensor; 2 batteries; 2 chargers; 1 handheld controller
2. SC-15: Portable Automatic Soil Flux Chamber

Support: Provide technical support and service for life

Manufacturer: LICA, China

北京理加联合科技有限公司
Beijing LICA United Technology Limited

Web: www.li-ca.com

Email: sales.int@li-ca.com

Tel: +86-10-51292601

Add: Building No. 5, Guanghua Pioneer Park, 18 Anning Zhuang East Road, Haidian District, Beijing City, China 100085



理加联合

