



PS-9600 Portable Soil Greenhouse Gas Flux Measurement System

Features

- It can simultaneously measure CH₄, CO₂, and H₂O, with high precision.
- The analyzer utilizes CRDS laser spectroscopy technology with a ppb-level precision.
- No computer is required; the mobile 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 essential source of greenhouse gases. Accurately measuring soil greenhouse gas flux is a crucial technology for studying global atmospheric environment and ecosystem changes, and it is also a necessary means to achieve the "dual carbon" goal. The PS-9600 portable soil greenhouse gas flux measurement system can measure the flux of greenhouse gases such as soil CO₂ and CH₄, helping to achieve the goal of carbon neutrality.

Specification

Greenhouse Gas Analyzer

Precision(15, 10 sec / 100 sec) :

CH₄ : ≤1.2ppb / 0.6ppb

CO₂ : ≤200ppb / 150ppb

H₂O : ≤65ppm / 40ppm

Measurement Range :

CH₄ : 0-100ppm Linearity: R²≥0.9998

CO₂ : 0-10000ppm Linearity: R²≥0.9999

H₂O : 0-3% Linearity: R²≥0.999

Operation Condition :

Operation Temperature : -20°C-50°C

Size and Weight:

55.38*35.5*19 cm, 8kg

PS-9600 Console

Data Storage: SD Card

Interface: RS-232 / SDI-12 / WIFI

SC-12 Portable Soil Flux Chamber

Size: 275 (L) x 245 (W) x 445 (H) mm

Measurement Area: 276.27 (cm²)

Cable Length: 2m

Chamber Switching Speed: ≤10 s

Air Temperature and Humidity Sensor:

Measurement Range:-25°C - 85°C

Measurement Precision:±0.2°C

Weight: 4.05 kg

Ordering Guide:

1. PS-9600: Console (Including power adapter, SD card, two lithium batteries, charger, etc.)
2. SC-12: Portable Automatic Soil Flux Chamber