eosAC

- EASY SETUP
- LGR & PICARRO COMPATIBLE
- FLUX ANALYSIS SOFTWARE
- COMPACT
- ROBUST CONSTRUCTION

Highlights

Long-Term Unattended Measurement

The chamber's rugged design allows for months of unattended field deployment. Between measurements, soil is exposed to weather, minimizing the effect of the chamber on soil flux.

Integrated Venting System

Pressure differentials between the chamber and surrounding soil can bias flux measurements. To eliminate these, the eosAC has a special venting system that minimizes the effects of gas concentration, temperature and wind on chamber pressure.

Easy Peripheral Measurements

Combining data sets from multiple sources can be cumbersome. The eosAC has three integrated peripheral ports, that automatically associate data from external sensors, such as temperature and moisture, with flux measurements.

Data Collection & Processing

The eosAnalyze-AC data processing software lets users quickly gather data, calculate fluxes, determine Keeling plot intercepts, and integrate peripheral measurements.
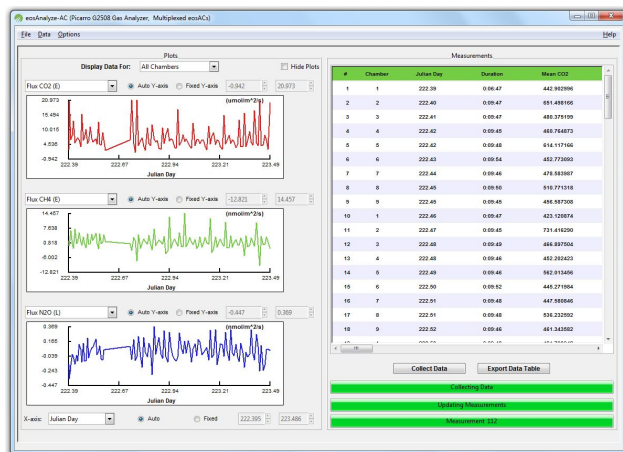
eosAnalyze-AC data processing software

Hardware	
Enclosure	Aluminum
Gas lines	PTFE
Auxiliary sensor ports	3

Dimensions	
Chamber volume	1969 cm^3 / 120 in^3
Chamber surface area	182.4 cm^2 / 28.3 in^2
Reach (analyzer to chamber)	30 m / 100 ft (Picarro) 15 m / 50 ft (LGR)
Collar diameter	15.2 cm / 6 in
Min. collar volume	469 cm^3 / 28.6 in^3
Height - fully open (approx)	40 cm / 15.7 in
Mass (approx)	5 kg / 11 lb

Power	
Operating voltage	12 V DC
Operating power - in motion	< 8 W
Operating power - idle	< 1 W

UK Distributor

Enviro Technology Services plc

eosense.com