SO525
Soil Flux Processor

PICARRO

- Onboard data analytics to enhance your G2508 five species concentration analyzer
- Provides real-time soil flux data processing with three built-in flux algorithms or define your own
- Accelerate your science with this powerful and easy-to-use SW tool

The **SO525 Soil Flux Processor (SFP)** for Picarro's G2508 five species concentration analyzer provides onboard data analytics for real-time flux calculations. Use your G2508 analyzer to collect closed or open system concentration data and then use your SFP to calculate flux rates using pre-loaded algorithms or define your own.

Integrates with external temperature and pressure sensors via a user-provided data logger, for the most accurate soil flux calculations. Choose from three popular flux calculation algorithms or define your own.

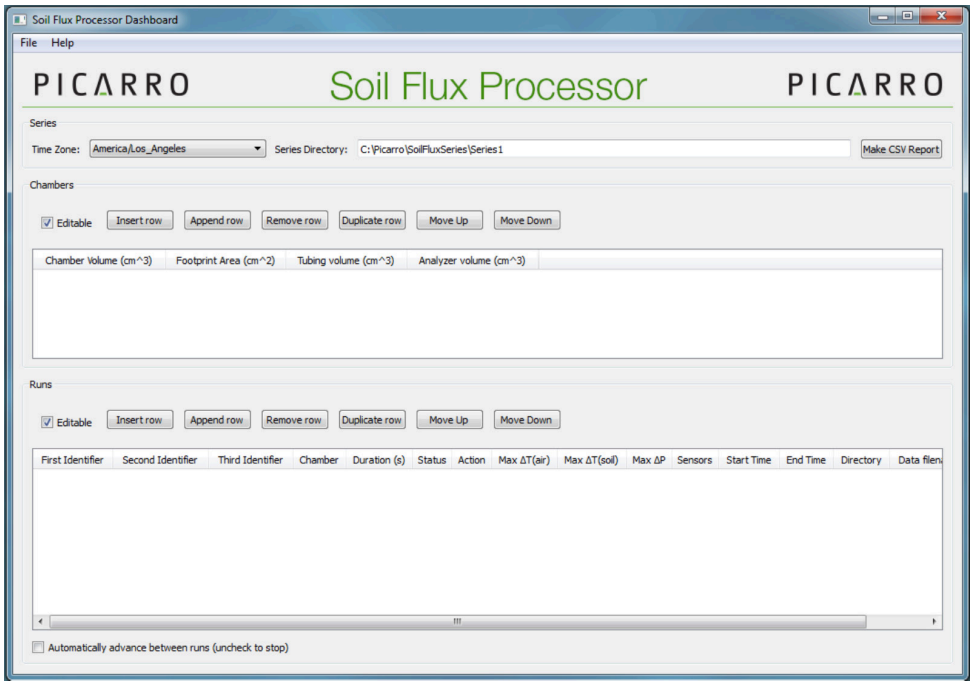

Figure 1 - Soil Flux Processing Dashboard

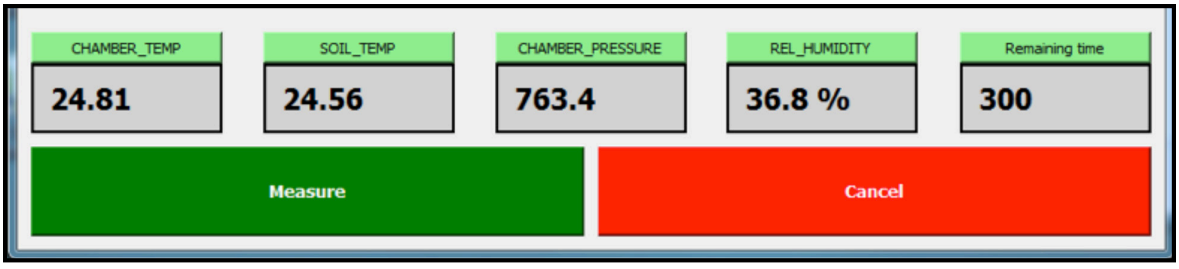

Figure 2 - Temperature and Pressure monitoring of chamber set up, using additional sensors (user-provided).

SO525 Soil Flux Processor Specifications	
Compatibility	Designed to enhance your Picarro G2508 5-species concentration analyzer. Not compatible with other Picarro analyzers.
Operating System	Requires a Picarro G2508 analyzer with Windows 7 OS. All Picarro G2508 analyzers now ship with Windows 7. Analyzers that shipped prior to April 2014 may require an OS update. Contact your Picarro representative for more details.
Recommended External Hardware (not provided by Picarro)	The SFP is capable of reading and displaying external temperature and pressure sensors data using a 3rd party data logger. Flux calculations are dependent on the actual temperature and pressure inside the soil chamber. For best results, Picarro recommends adding these components to input P & T data in the flux calculations. Picarro has tested the following sensors and data logger: • Watlow K-type Temperature probe • Omegadyne Pressure sensor • Campbell data logger CR1000 Contact your Picarro representative for more details.

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