



scientific equipment for climate research, industrial measurements and air quality analysis

INTRO



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PICARRO











When and why?

- Established in 2021
- Previously worked at Picarro (7 years)
- Provide full solution on product and service level

Where?

- United Kingdom & Ireland (collaboration with Amiston for Picarro products)
- BeNeLux (Belgium, The Netherlands and Luxembourg)
- Nordics (Norway, Sweden, Finland, Denmark)



emsense

gas monitoring instruments & automatic soil flux chambers

PRODUCTS SOLD





Recirculating multiplexer

Soil CO₂ Flux Sensor







eosAC AUTOMATED SOIL FLUX CHAMBER



Key features

- Designed for long-term, continuous deployment
- Low power, automated opening and closing
- Easy integration with ABB-LGR, Gasmet and Picarro gas analyzers
- Up to 16 chambers can be connected to an analyzer via the eosMX
- Multiplexer not required for single chamber set up
- Data processing & flux calculation software included









eosAC-LT/LO AUTO. SOIL FLUX CHAMBER

ensense THEDUTCH SCIENTIST

Key features

- Designed for long-term, continuous deployment
- Large chamber footprint (diameter 52 cm)
- Transparent or opaque versions available
- Auxiliary sensor options
- Easy integration with ABB-LGR, Gasmet and Picarro gas analyzers
- Up to 16 chambers can be connected to an analyzer via the eosMX
- Data processing & flux calculation software included









SNEAK PREVIEW









eosFD SOIL CO₂ FLUX SENSOR





Key features

- Forced Diffusion technology to measure soil gas flux directly with no external moving parts
- zero spatial constraints; deploy an array that spans meters to kilometers of spatial coverage
- high temporal resolution
- weather proof with built-in datalogger (frequency: 5 min. to 24 hours)
- light weight (1.6 kg) and low power consumption (peak<3.7 W; average <1.6 W)











APPLICATIONS (I)



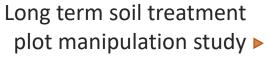




■ Greenhouse gas emissions from agriculture plots



■ Net Ecosystem Exchange (NEE) and soil respiration





APPLICATIONS (II)



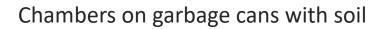


Emissions from vegetation



Chambers on crates with long collars measuring flooded agriculture soils









KEY DIFFERENTIATORS



- Flexible chamber designs
 - transparent and opaque options
 - chamber footprint size options
 - chamber height extension options
- Compatible with leading gas analyzers
- Data processing software included





