

The eosAC-LT/LO soil gas flux chamber's large footprint, proven design and automated measurement capabilities allow researchers to capture accurate measurements of NEE and trace gases. When coupled to one of the compatible analyzers, even the smallest changes in soil gas flux can be monitored.

- ✓ Field Ready Durable Design
- ✓ Large Chamber Footprint
- ✓ Opaque (-LO) or Transparent (-LT)
- ✓ Long-term, Continuous Measurements
- ✓ ABB-LGR, Gamset & Picarro Compatible
- ✓ Flux Analysis Software



Hardware

Enclosure	Aluminum/Acrylic
Gas Lines	PTFE
Auxiliary Sensor Ports	2

Dimensions

Chamber Volume	0.072 m ³ / 2.5 ft ²
Chamber Surface Area	0.21 m ² / 2.3 ft ²
Reach (chamber to analyzer)	30 m / 100 ft (Picarro) 30 m / 100 ft (Gaset) 30 m / 1000 ft (ABB-LGR)

Operating Environment

Temperature	0 to 50 C / -4 to 104 F
Humidity	0 to 100% RH non-condensing

Environmental Sensors

Air/Chamber Temperature	0 to +50°C
Barometric Pressure	300 to 1100 hPa

Auxiliary Sensors (Optional)

Soil Temperature	-40 to +60°C
Soil Moisture (VWC)	0.0 to 1.0 m ³ /m ³
PAR	0 to 4000 μmol m ⁻² s ⁻¹

Power

Operating voltage	12 V DC
Operating power (in motion)	< 17 W (1.4 A)
Operating power (closed/open)	< 1 W (0.1 A)

Other Features (Optional)

Exterior	Transparent/ Opaque
Collar	10 cm / 20 cm 3.9 in / 7.9 in
Base*	Stackable base to increase height

Note: All specifications are preliminary and subject to change without notice.