

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
- Seamless Integration with GHG Analyzers
- Flux Analysis Software



#### Hardware

Enclosure Aluminum/Acrylic

Gas Lines PTFE

Auxiliary Sensor Ports 2

#### Dimensions

Chamber Volume 0.072 m<sup>3</sup> / 2.5 ft<sup>3</sup>

Chamber Surface Area 0.21 m<sup>2</sup> / 2.3 ft<sup>2</sup>

Reach (chamber to analyzer) 30 m / 100 ft

#### Operating Environment

Temperature 0 to 50 C / -4 to 104 F

Humidity 0-100% RH  
non-condensing

#### Environmental Sensors

Air/Chamber Temperature 0 to 50 C / -4 to 104 F

Barometric Pressure 300 to 1100 hPa

#### Auxiliary Sensors (Optional)

Soil Temperature -40 to 60 C / -40 to 140 F

Soil Moisture (VWC) 0.0 to 1.0 m<sup>3</sup>/m<sup>3</sup>

PAR 0 to 4000 μmol m<sup>-2</sup> s<sup>-1</sup>

#### 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 or Opaque

Collar Height 10 cm / 3.9 in  
20 cm / 7.9 in

Base Extension 30 cm / 70 cm  
11.8 in / 27.6 in

Note: All specification subject to change without notice