



## Small Cube

Design	4 independent compartments accessible via a common airlock Long-term experiments with a duration up to 6 months Laboratories for the preparation and analysis of organic specimens
Internal dimensions	2.8 m × 3 m × 2.8 m (L × W × H)
Parameters Control	Independent for each compartment
Combination of the Parameters	All environmental parameters can be simultaneously combined to simulate complex scenarios.

## Environment Control for Each Compartment

Maximum simulated altitude	4,000 m ±10 m (~ 13,000 ft)
Maximum Rate of Climb (ROC)	6 m/s (~ 1,180 ft/min)
Minimum Rate of Climb (ROC)	0.1 m/s (~ 20ft/min)
Temperature Range <small>According to IEC 60068-3-5</small>	-20...+50°C (± 1°C in time ± 2°C in space )
Temperature Rate of Change <small>According to IEC 60068-3-5</small>	± 0,5 °C/min (cooling & heating)
Relative Humidity <small>T &gt; 4°C and according to IEC 60068-3-6</small>	10...100% ± 3%
Humidity Rate of Change <small>T &gt; 4°C and according to IEC 60068-3-6</small>	0.4%/ min cooling; 0.8%/ min heating
Precipitation	Rain: 0-20 mm/h (Rainwater too)
Light	Full solar spectrum 280-900 nm, intensity 2,500 µmol/m²s
CO <sub>2</sub> Control	400-1,000 ppm

## Support Services Offered

- Data-acquisition system
- Data security management: the system guarantees the integrity of data and ensures that the data acquired are inaccessible to unauthorised parties
- Support during the whole testing chain: from experimental design to test execution and reporting