

The eosFD is a revolutionary device that uses patented Forced Diffusion technology to measure soil CO<sub>2</sub> flux directly.

Featuring built-in data logging and impressively low power consumption, its standalone design delivers spatial freedom at any scale.

- ✓ Zero Spatial Constraints
- ✓ Low Power
- ✓ Light Weight
- ✓ High Temporal Resolution
- ✓ Weather Proof
- ✓ Patented Forced Diffusion Technology



Outputs	
Analog (3)	0 to 5 V DC
<ul style="list-style-type: none"> <li>• Flux</li> <li>• CO<sub>2</sub> concentration</li> <li>• Temperature</li> </ul>	
Digital (RS-232 serial)	
Performance	
Flux range	0 to 20 μmol/m <sup>2</sup> /s
Flux resolution	< 0.2 μmol/m <sup>2</sup> /s
Operating Environment	
Temperature	-20 to 40 C / -4 to 104 F
Humidity	0 to 100% RH non-condensing
Hardware	
Enclosure	Acetal
Connectors	12-pin environmentally sealed

Dimensions	
Diameter	10.2 cm / 4.0 in
Length	25 cm / 9.8 in
Collar diameter	7.6 cm / 3.0 in
Mass (approx.)	1600 g / 3.5 lb
Power	
Operating voltage	10.2 cm / 4.0 in
Operating power - peak	25 cm / 9.8 in
Operating power - avg (5 min / 1 hr)	< 1.6 / < 0.9 W
Data Logging	
Frequency	5 min to 24 h
Data capacity (# measurements)	65,000