

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

- Flux
- CO<sub>2</sub> concentration
- Temperature

Digital (RS-232 serial)

#### Performance

Flux range 0 to 20  $\mu\text{mol}/\text{m}^2/\text{s}$

Flux resolution < 0.2  $\mu\text{mol}/\text{m}^2/\text{s}$

#### 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 12 V DC

Operating power - peak <3.7 W

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