



SCAN ME  
TO LEARN MORE

# C-LOCK

Measure and Control Feed Intake and Emissions



## WHY GREENFEED

GreenFeed is the Gold Standard in measuring enteric emissions. Scientifically Validated the GreenFeed system has been utilized in major publications world-wide. Researchers have been able to push the boundaries of scientific advancement using GreenFeed.

The system can be used to measure metabolic gases from all types of cattle and other ruminant animal species. It will measure CO<sub>2</sub> flux accurately to a level of greater than 500 g/d and CH flux greater than about 3 g/d.

Gravimetrically-traceable calibration for CO<sub>2</sub>

The large animal system is designed to handle ruminants excluding unweaned calves The system could be used to measure metabolic gases from other large animal species.

In normal operating conditions, about 30-40 animals per day can be measured per GreenFeed.

## STANDARD FEATURES

- Sensors for CH<sub>4</sub> & CO<sub>2</sub>
- Waterproof stainless steel and polyethylene shell
- Online user interface to monitor data & app capability
- Secure long-term data storage and archiving
- Gravimetrically-traceable calibration for CO<sub>2</sub>
- Simple maintenance
- GreenFeed has two standard methods of connectivity to the Internet: Wi-Fi or Cellular Modem



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## STANDARD FEATURES

- Each unit is provided with the US standard tools for maintenance of your GreenFeed unit.
- One-year of monitoring, support and parts
- Auto-calibration system allows the user to remotely and automatically calibrate the methane and carbon dioxide concentration sensors.
- Pelletized feed should be used (< 7 mm in diameter)
- Mass scale is used for the CO<sub>2</sub> recovery testing. It is capable of weighing up to 5 kg at 0.1 g increments.



## SENSORS

CH<sub>4</sub>: Tunable Diode Laser, 0 – 4%, 0.3% accuracy in 400 g/d emissions range. Specific to CH<sub>4</sub>. 0.5 ppm resolution

CO<sub>2</sub> : Non-Dispersive-Infrared, 0 – 2%, 1% accuracy in 10,000 g/d emissions range

## AVAILABLE OPTIONS

- Oxygen Sensor
- Hydrogen Sensor- is used for methane inhibitor study
- Dual Hoppers
- Wind Sensor
- Bird Protection
- Cold Weather Kit
- HD Webcam