



M2Moo

M2Moo Smart Ruminant & Activity Sensor is an advanced livestock monitoring solution designed for dairy and beef farms. Mounted on the ear or neck of the animal, the device continuously monitors activity, rumination and behavioral changes throughout the day. Using advanced behavioral analysis algorithms, the sensor supports heat detection, rumination monitoring and early health risk identification, helping farmers improve herd health, reproductive performance and operational efficiency. The device automatically collects behavioral data and transmits it through RF communication infrastructure for real-time monitoring and analysis. Its lightweight and compact design requires no external power connection, making it suitable for long-term field deployment under demanding farm conditions. With a replaceable battery designed to operate for approximately 18 months, M2Moo provides a reliable and low-maintenance solution for modern livestock management.

Real-Time Rumination & Activity Monitoring

Early Heat Detection & Health Risk Identification

Cloud-Based Data Collection and Analysis

Lightweight & Compact Design (32 g)

Up to 18 Months Battery Life

Technical Specifications

Product Name	M2Moo Smart Rumination & Activity Sensor
Application	Dairy and Beef Farms
Installation Method	Ear or Neck Mounted
Unit Weight	32 g (with battery & case)
Dimensions	1.8 × 3.3 × 3.3 cm
Battery Type	Manganese Dioxide Lithium Battery
Power Input	3.0 Volt, 45 mA Peak
Measurement Control	Single Chip Microcontroller
Measurement Resolution	1 Unit
Warning Method	RF Data Transmission Every Hour
Data Collection	Automatic Behavioral Data Collection
Data Communication	RF Communication & Gateway Infrastructure
Monitoring Functions	Activity Monitoring, Rumination Monitoring, Behavioral Analysis
Health Functions	Heat Detection & Early Health Risk Identification
Battery Life	Approximately 18 Months (depending on measurement and transmission frequency)
Battery Replacement	Replaceable Battery
External Power Requirement	Not Required
Recommended Storage Temperature	-10°C to +45°C
Operating Environment	Harsh Farm Conditions
Reporting	Cloud-Based Data Analysis & Reporting
Herd Management Integration	Supported
Warranty	2 Years