

Bio-Capsule For Cow

IoT LoRaWAN Sensor



LoRaWAN Bio-capsule for Cow

Non-invasive, real-time cattle bolus and cow herd management system for optimum health, quality and cost savings



Description

The BC-100 is a LoRaWAN compliant rumen capsule designed to capture cattle activity, rumen temperature, and movement. The bolus' material is eco-friendly and causes no harm to the animal. Once inserted into a cattle, the bolus will remain in the rumen, all data is transmitted automatically first to the LoRaWAN Base Station and then to a cloud-based platform, which allows farmers, vets, and scientists to process the information and deal with unexpected issues anytime, anywhere. The earlier you detect health problems, the earlier you can react and reduce severe courses of diseases on your farm. Allow farmers to maximize the efficiency of farms

Features of HKT DC-10

- Automatic and reliable heat monitoring
- Improve conception rates and reduce empty pregnancy days
- Reminder about 15 hours before calving
- Pre-calving information prompts can fully help staff make preparation in advance
- Monitoring of drinking water frequency
- The strong correlation between water and feed intake means that any irregularity can be detected quickly
- Continuous body temperature measurement
- Can be viewed and traced at any time
- Early detection of health problems and individual health monitoring
- The unique combination of parameters such as body temperature, activity level, water drinking frequency, etc., can detect health abnormalities early
- Save time
- Save time for some routine tasks, such as regular temperature measurements

HKT provides customized services:

- ODM
- Pre-sales & After-sales Services
- Technology Support

Specification

Parameters	Description
Dimensions	103.58*φ28mm
Communication	Standard LoRaWAN Protocol
Data upload rate	Customize
Battery life	5 years+
Effective communication range	Up to 500 meters
Methane sensor monitoring	Support
IP Rate	IP68
Detect body temperature	Support
Gyroscope sensor monitoring	Support
Acceleration sensor monitoring	Support
Color	White

Application



Flexibility
Data can be shared with veterinarians, staff and consultants



Automatic pre-warning alerts
Send directly to your mobile device (Apple/Android phone)





Reduce workload
Comprehensive and accurate presentation of information so you can focus on important points



Service and support
Direct and fast access to our support



7x24 hours availability
Real-time access to your cow and herd data

- In the Task List you can see at a glance which cows need your attention and what actions need to be taken
- Reproduction status, an overview of the current reproductive status of the herd
- Health status with all cow information that needs attention