



- ▶ **Bolus**, equipped with an ISO-compliant passive RFID chip and an integrated temperature sensor (no battery).
- ▶ **Dual Fixed Reader** for collecting temperature data from the bolus.
- ▶ **System Software** - bolus information is gathered by the DFR and sent to a data gathering PC.

automatic cow ID and temperature monitoring

+ EARLY DETECTION OF SICKNESS, ESTRUS, CALVING AND HEAT STRESS

Provides permanent automatic livestock identification (RFID) and automatic temperature monitoring of each animal several times per day for improved herd health management, efficiency, and profitability.

The **battery-free rumen transponder bolus** is administered down the throat of the cow using a standard balling gun, and resides in the reticulum for the **life of the animal**. As cows pass the reader, a magnetic field induces a small electrical charge inside the bolus, sufficient to energize the transmitter. The bolus responds to this interrogation signal by transmitting its **globally unique identification number** and **temperature** on a coded radio-frequency. The reader decodes the received bolus signal and then routes the data to a remote computer. The reader can also trigger an **alarm indication** on **high-temperature readings** giving the farmer the opportunity to take immediate action. The computer places a time and date stamp on each reading and stores the data for future review and analysis.

Over the lifetime of the cow, the system will pay for itself many times over in the form of improved animal health, lower A.I. costs, higher production and reduced labor.

+ BENEFITS

- Lower operating costs, greater efficiency
- Improved detection of the estrus cycle
- Early detection of sickness
- Reduce treatment costs, somatic cell counts and mortality rates
- Fresh cow temperature monitoring
- Early detection of heat stress
- Calving detection
- Automatic herd checks and identification

maintenance-free | miniature | mobile | rugged

