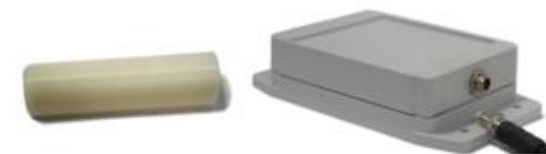




Integrated
Network Solutions



Livestock Monitoring & Health Management System

Tracking body temperature, activity and location with optional pH monitoring

INCREASE PROFITS BY MODERNIZING HERD MANAGEMENT

Real-time monitoring and early detection of potential health and feed related issues are key in ensuring the maximum productivity and profitability of cattle and other ruminant livestock. The USSP Livestock & Health Management Sensor Platform monitors the animal's temperature, activity and location, with the option of monitoring pH levels. Our Bolus Sensors are encased in FDA approved sensor materials and batteries last up to 10 years, ensuring continuous monitoring for the duration of the animal's lifetime.



PLUG & PLAY

Easy installation
with minimal
maintenance



AUTOMATIC ALERTS

Automatic alerts
sent for potential
issues



COST EFFECTIVE

Comparable to the
cost of today's active
RFID temperature
solutions



FDA APPROVED

FDA approved
sensor material for
animal contact

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BENEFITS

- Monitor activity levels based on the animal's normal day behavior to detect possible illness or other potential issues.
- Reduce costs and risks to your farm with early detection of feverish conditions including mastitis or other respiratory diseases or infections.
- Monitor for heat related stress so you can take immediate action.
- Identify ideal insemination times to improve pregnancy rates and lower costs by reducing the number of needed procedures.

Optional pH Bolus

- Feeding costs make-up over 50% of the costs of a typical dairy farm, monitoring pH levels enables feeding efficiency by lowering costs and increasing milk production.
- pH levels provide immediate feedback on any changes in feeding strategy while monitoring the health of the animal for conditions such as Subacute Rumen Acidosis and related conditions.



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KEY FEATURES

- Sensor Batteries have been tested to provide up to 10 years of power for the USSP Bolus Sensors.
- AES-256 encryption is used to protect sensor data from the point of capture until it is successfully received and decrypted.
- Readers automatically recognize active bolus sensors and receive updates from up to 450 feet away.
- 7/24 monitoring with customizable sensor transmissions schedules based on 5-minute increments.
- The sensor's internal memory stores data until a reader is within range to ensure no loss of data.
- Accuracy of temperature measurements is 0.1° F
- The Livestock Monitoring & Health Management Sensors Platform is interoperable and can seamlessly work with other technologies and protocols.



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COMPLIANCE

- **FDA Approved** sensor material
- **AES-256**: Implemented
- **SASE** (Secure Access Service Edge): Compliant
- **Root of Trust**: Compliant
- **Zero Trust**: Compliant
- **PSA**: USSP devices use Platform Security Architecture (PSA) Certified chips and related components
- **ISO 14971**: Compliant

