

HERDSTRONG™

TruCore™ Precision Monitoring

TruCore™ Automatic Alerts (4Q 2020)

Early Illness Detection
Calving
Heat Detection



**AUTOMATIC PRECISION
TEMPERATURE & ACTIVITY MONITORING**
自动监测奶牛核心体温和活动量

**Disease Calving Heat Stress Reproduction Nutrition
Cooling System Effectiveness Biosecurity
Rumination Secure Identification**



THESE PRESTIGIOUS UNIVERSITIES & RESEARCH ORGANIZATIONS ARE USING
HERDSTRONG™ PRODUCTS AROUND THE WORLD



ADVANCED TECHNOLOGY

Award Winning TruCore™ Software

Advanced algorithms: Machine learning / AI, circadian baseline, water drinking events
Visual Representation: Graphically view information and alerts for each animal
User generated follow-ups automatically alert user to upcoming events
Languages (English, French, Italian, Chinese, Russian, coming in 2020: Spanish, Portuguese)

HerdStrong Precision Monitoring Capabilities (4Q 2020)

Industry leading early illness detection	Alerts 3 to 5 days prior to clinical symptoms
Calving detection	Graphical display of drinking events
Breeding: Advanced Heat Detection	Herd management database
Rumination (in development)	Automatic alerts sent to mobile devices
Integrate herd mgt. software data (custom)	Data logging – last 96 readings
User App (Apple iOS/Android, info on demand)	Used by researchers worldwide

HerdStrong Smart Gateways

On board computer & data storage, flexible growth, manage data from other systems
Visual status lights (power, system, local network, cloud, bolus sensors)
Cloud based systems with remote monitoring, data backup, secure,
remotely accessible 24 x 7, scalable
Firmware updatable remotely
Wireless, wired or cellular connectivity
Optional solar gateway power available

Accurate, Reliable Temperature & Activity Sensors

Technical Specifications

Sensor transmit distance up to 137-meter diameter (450 ft. diameter)
Battery life up to 5+ years
Temperature measurement range: 25° C to 48.4° C (77° F to 119.1° F) *
Temperature resolution: 0.1° C (0.18° F) *
Temperature accuracy: 0.07° C (0.126° F) *
Temperature repeatability: 0.031° C (0.0558° F) *
Temperature Sampling / Transmission frequency: 30 minutes * / 30 minutes *
Ruminant bolus: Length: 114mm (4 7/16"); Diameter: Top 31mm (1.225") Bottom: 33mm (1.3")
Bolus retention: >99%
Data logging capability: 96 readings

* (customizable)

Contact us today for more info

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