



Activity Module



HeatSeeker™ II



by **BouMatic**

Activity Module



Why Use Automated Activity Detection?

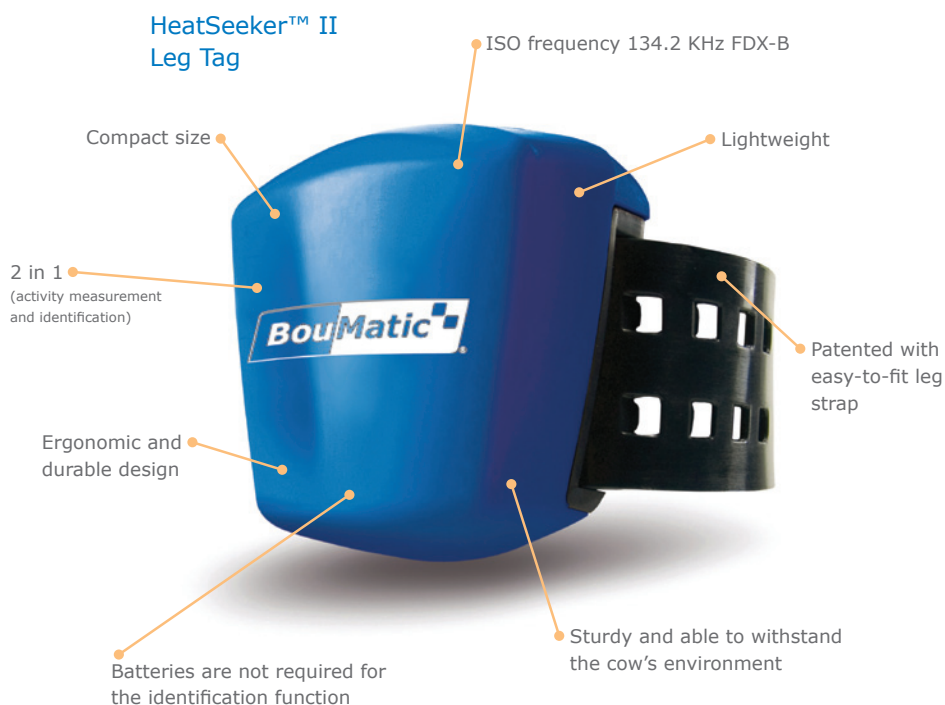
Reproductive problems are the primary reason cows are culled on today's dairies. The SmartDairy Activity module can help meet the challenges of heat detection on your dairy farm.

- Heat detection using visual observation or tail chalking is subjective and time consuming. Activity detection systems provide more freedom, flexibility and time at home or elsewhere on the dairy.
- Synchronization protocols require labor-intensive hormone injections while activity monitoring systems help manage a cow's natural heat cycle.

Introducing The HeatSeeker™ II



A simple, reliable and convenient activity monitoring system for dairy cows, HeatSeeker II drives SmartDairy's new Activity module. Through HeatSeeker II, SmartDairy Activity monitors and records a cow's activity and helps you identify the moment a cow shows signs of increasing activity and could be ready for breeding. More efficient reproduction means lower costs and higher profits for your operation.



SmartDairy® Activity

A New Generation Of Dairy Technology

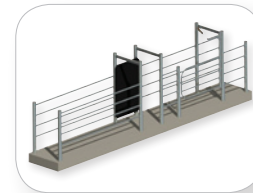
- Monitor each cow's low and high activity every day, all day, 365 days a year. It's like having an extra pair of eyes in the barn.
- Low cost of ownership
- Robust, field-proven technology
- Easy to use software
- One click provides a complete cow activity data profile
- An add-on or stand-alone module for any size herd
- Designed to help you customize your breeding program when used with SmartDairy's HerdMetrix™ herd management system



HeatSeeker II Leg Tag



HeatSeeker II Neck Tag



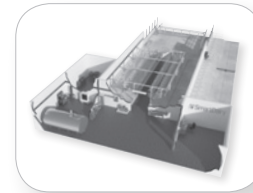
Sort Gate



Out of Parlor Feeding Station

HeatSeeker™ II - A Reproductive Management Tool

- Save time and labor costs
- Increase pregnancy rates
- Decrease days open
- Decrease cull rates
- Reduce services per conception
- Reduce hormone usage
- Decrease calving interval and increase milk production



Exit or Entrance Lanes



Water Trough

Precision Engineering

- HeatSeeker II monitors *individual* cow activity using state of the art motion sensing technology
- Stores activity information every 2 hours throughout the day for better sensitivity
- Tag can also be used for cow identification in the milking parlor, unlike most competitors
- Uses BouMatic's patented SmartEID™ programming to maintain consistent cow ID in the milking parlor
- Leg mounted tags have patented, easy-fit fastening design, while neck mounted tags can also be used for visual cow number identification
- Durable Neck or Ankle-mounted tag operates on ISO frequency 134.2 KHz
- Tag weighs just 4.8 oz. (135 grams) and will not interfere with a cow's daily activities
- Tags are engineered for 7 years of trouble-free battery life



SmartDairy Activity Reports

"BouMatic's SmartDairy Activity and HeatSeeker II are making a positive difference on our dairy."

**Verstricht Dairy Farm
Canada**



HeatSeeker II Leg Tag



HeatSeeker II Neck Tag

Alerts You When Your Cow Is Ready To Be Bred

- HeatSeeker™ II uses the industry's most reliable technology to predict activity in dairy cows
- Sends alerts when a cow's activity is peaking
- Helps pinpoint the critical moment for successful insemination
- Cow activity data is permanently stored and is easily accessible on your computer

SmartDairy® Activity Systems Include

- SmartDairy Controller
- HeatSeeker II Ankle or Neck Tags
- Walk-through or Floor-mounted Antenna(s)
- Power Supply
- Activity Software

"We chose BouMatic's SmartDairy Activity Module because it made our breeding program more efficient and gave us a complete parlor management system with parlor ID."

**Greiden Farms
St. Marys ON**

Your SmartDairy® Dealer:

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MANAGEMENT SYSTEMS

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