



Big Dutchman®



PigWatch & Contact-O-Max

Innovative management tools
for optimal artificial insemination

PigWatch – artificial insemination at exactly the right moment

The highest possible utilization of the genetic potential of each sow is one of the most important prerequisites for successful piglet production.

PigWatch helps you to take advantage of the full reproductive potential of your sows and can thus increase your economic efficiency and production yield.

In more specific terms, this means that thanks to PigWatch you will be able to:

- ✓ increase the regularity and reliability of gestation;
- ✓ minimize the number of heat returns;
- ✓ increase the number of live-born piglets per litter.

PigWatch is an ideal management tool for accurate and precise insemination of every sow always at the right moment. PigWatch allows you to monitor and analyse the heat status of your sows 24/7, in real time!

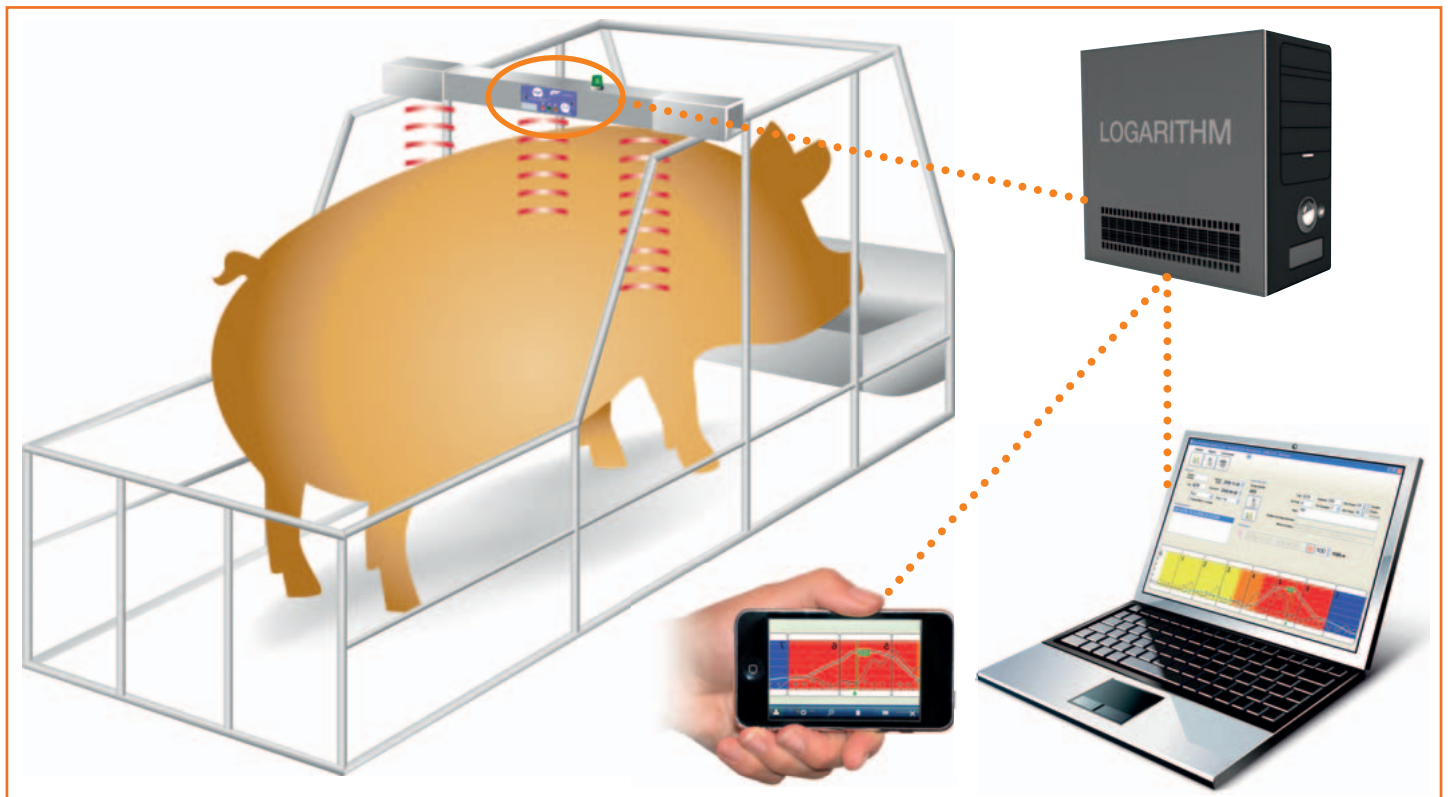
Let our experts advise you.

How does PigWatch determine the best time for insemination?

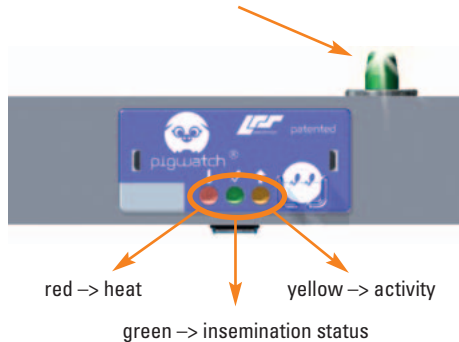
Three infrared sensors monitor the sow behaviour 24 hours, 7 days per week. The monitoring unit is installed at the stall directly above the sow. All important information such as heat or insemination status or insemination requests are indicated by an easy-to-read LED display. The core

part of PigWatch is a high-performance computer which constantly analyses the behaviour of the sow in real time and compares her behaviour activities with the stored reference values. Based on this data, the correct time for artificial insemination is then determined individually for

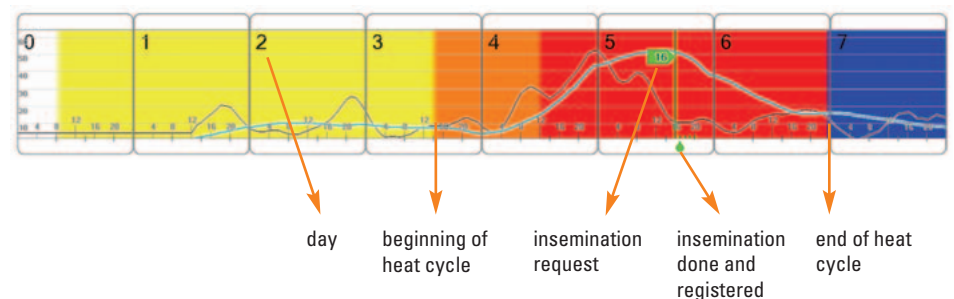
each sow. Information about the individual heat sequence of a sow can be viewed in form of clearly arranged graphs on a connected PC or Laptop.



The green light flashes → insemination requested



PigWatch graph of the heat status showing the optimal time for insemination



The advantages at a glance

- ✓ every sow is inseminated at the right time, always → higher fertilization rates, less heat returns;
- ✓ reduced number of semen doses needed, an average of just 1.5 semen doses per sow → reduced costs;
- ✓ higher number of fertilized egg cells → more piglets per sow;
- ✓ less unproductive days → more piglets per sow per year;
- ✓ traditional heat checking is no longer necessary → this facilitates work and saves time;
- ✓ the heat status can be checked on the PC, Laptop or on a smartphone via internet connection;
- ✓ consistent, good insemination management, even on weekends or during holiday times when regular, skilled staff might not be available.

Insemination request sheet

PigWatch automatically creates and prints a daily insemination request sheet. This is a very useful tool especially for producers with a large number of productive sows.

Tactile pen

This practical tactile pen is magnetic and facilitates the breeder's daily work. It can, for example, be used to register insemination directly from the barn.

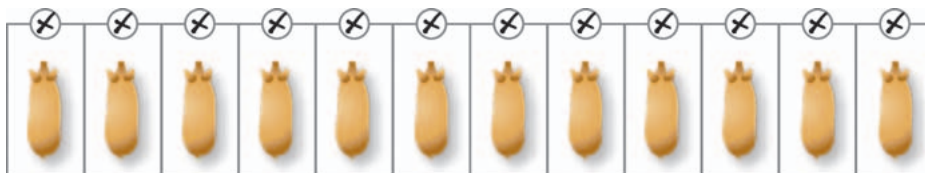


Magnetic tactile pen



PigWatch works on the basis of the sow's ovulation cycle. This means that once an insemination request sheet is printed, the insemination has to take place as promptly as possible. For the farm manager this means that a worker has to be present when sows are ready to be inseminated. PigWatch proposes 4 periods of inseminations a day for best coverage. If the 4-period program cannot be met, PigWatch also offers a well-adapted and efficient 3-period program.

Optimal insemination management – be on the safe side with PigWatch!



without PigWatch



with PigWatch

PigWatch indicates the best possible time for insemination



PigWatch

– accurate and reliable –

Contact-0-Max

- the boar cart for accurate heat detection -

Contact-0-Max is a freely-movable boar cart that has been specifically designed and developed by expert pig breeders for sow breeding operations using artificial insemination. The sustained contact between sow and boar (snout-to-snout) stimulates the sow and increases her fertility. The unique heat detection system ensures maximum stimulation during artificial

insemination accurately, efficiently and reliably. Especially sows that are slow to cycle can be stimulated in a more sustained and focused manner, which also helps to reduce the number of heat returns. This state-of-the-art heat detection technology leads to fertility rates of up to 95 % and is also recommended by vets worldwide.

Contact-0-Max is an extremely cost-effective piece of equipment as only one person is needed for steering and artificial insemination by means of remote control which saves valuable working time.

An additional boar-restraining door is not necessary.



Remote for control of Contact-0-Max



Intensive contact between sow and boar leads to higher fertility rates



Artificial insemination and boar handling can be carried out by one single person

Technical details at a glance

- ✓ very rugged stainless steel construction;
- ✓ suitable for aisles with a width starting from 61 cm and corners of 61 cm x 92 cm;
- ✓ easy forward and backward movement;
- ✓ central drive and double central articulation for optimized maneuverability and easy handling;
- ✓ clever brake-, glider and bottom roller system for increased performance in wide aisles;
- ✓ removable anti-rest crossbar system to prevent boar from lying down;
- ✓ left/right hinged door system in the front and in the rear;
- ✓ removable non-skid aluminium floor;
- ✓ easy and thorough cleaning by means of high-pressure cleaner;
- ✓ width: 59 cm
- length: 165 cm
- height: 156 cm
- weight: 218 kg



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