

Unitron a/s



Manual



Stimulus

- is looking forward to meeting your sows

Table of contents:

Congratulations with your new Stimulus..... 3

View – Stimulus and accessories 4

Before using Stimulus..... 4

Description of the specific parts..... 5

Charging of the built-in battery..... 6

Connection of spiral hose to Stimulus..... 6

Mounting of the antenna on the Multi Holder 6

Connection to the air system in the barn 6

How to use Stimulus..... 7

WARNING – PLEASE NOTE

To protect the technical systems and the lifetime of your Stimulus your compressed-air system you have to install a water drain system.

The in-built electronics in Stimulus uses power when in the stand-by mode and the in-built battery must be recharged after use and after 15-20 days without normal use.

The in-built battery must be recharged before the first use os Stimulus



Congratulations with your new Stimulus...

We are very pleased that you have chosen to buy Stimulus – which in 2006 got the Danish Agromek prize best novelty for pig breeders.

Stimulus was invented by 2 Danish pig breeders who thought that the stimulation work was too timeconsuming and a bit too monotonous – at the same time – they acknowledged the importance of a correct and thorough stimulation of the sows.

It is commonly known that the stimulation work is an essential condition to achieve good results in pig breeding.

Stimulus never gets tired – well; the battery must be charged – but in connection with the insemination work Stimulus makes sure that the last sow in the row gets the same thorough treatment as the first – and the crew can use their time on other important tasks.

Please enjoy...



August 2006



Before you start using Stimulus

Remove the top by loosen 4 screws. Install the two wires to the battery. These are not installed from the factory for safety reasons.

We recommend that you start out by checking that you have received everything you require.

YOUR PURCHASE INCLUDES:

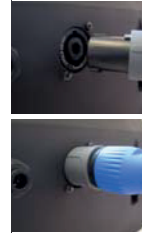
- A completely assembled Stimulus
- A loose "antenna", which is easily mounted in a spring lock under the display
- A red flex-hose for the air system
- A charger equipped with a plug

Specifications and explanations

- 1) Handle: It is important that you use the handle when you move Stimulus around – both for safety reasons but also to avoid damaging the technical parts.
- 2) Displayet: The display is 3-figured – and shows seconds/minutes, when program 1 and 2 are active.
- 3) Push button: The push button is never to be used. The button is used for programming of Stimulus. Stimulus is programmed at delivery and ***our product warranty is void if you try to reprogram Stimulus.***
- 4) On/off button: On this button you turn Stimulus on and off.
- 5) Antenna: The stick facing backwards is called antenna. The stick is designed to hang the semen container on – and we recommend that you use the Multi Holder (9).
- 6) Clips: Here you mount the antenna – and you can detach it again by activating the little catch on the bottom side.
- 7) Side fender: The two side fenders on top are attached with screws from behind. Great power is exchanged from this point and this may cause the fender to loosen during use and ***it is recommended that the screws are tighten regularly.***
- 8) Pressure Points: On the inside of the saddle a pressure bowl is mounted on each side. Stimulus transfers its stimulation via these pressure points and the general pressure is generated from the saddle when it is activated by the compressed air system.
- 9) Multi Holder: The Multi Holder is an accessory – and it is a holder, which can hold both bottles, tubes and flat packs during the insemination. The holder is mounted in a rubber strap with a number of holes which makes its possible to attach it at different heights according to the sow's build.
- 10) Flex-hose: The flex-hose is mounted with a quick coupling which is used when Stimulus is connected to your air system in the barn – for further information see page 6.
- 11) Charger: Is used to charge the battery which is build into Stimulus – information on connection see page 6.

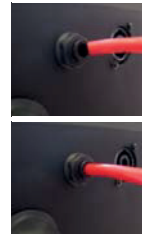
Charging of the build-in battery

Stimulus has a build-in battery, which must be charged by way of the enclosed charger. The charger is equipped with a special plug, which is designed for the harsh environment in the stalls. The enclosed charger is connected to 220-240v. When the build-in battery in Stimulus needs recharging the display will start blinking. The in-built electronics in Stimulus uses power when in the stand-by mode and we recommend you to recharge the battery before using Stimulus and if Stimulus has been stored for more than 15- 20 days.



Connection of the spiral hose to Stimulus

The spiral hose is mounted on Stimulus by pressing the open part of the hose into the coupling which is placed on the side of Stimulus. The hose locks itself in the coupling. If you need to dismount the hose it can be loosened by pulling the collar on the bush a little backwards; this way the coupling lets go of the hose.



Mounting of the antenna to the Multi Holder

The antenna is equipped with a plug at the end which makes it easy to mount and dismount. The antenna locks itself in the hole just below the display and it may be dismounted by a light pressure on the release on the bottom side of the plug.

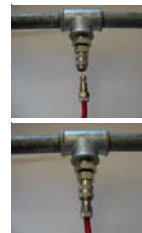
To avoid that anyone/thing gets hurt with the antenna we recommend that the antenna is dismounted when Stimulus is not used.



Connection to the air in the barn

Air must be conducted to the serving area. We recommend that a connection is placed at every barn – and that it is placed on the right side of the barn. The air may be conducted from the compressor in plastic hose or in iron pipe. To ensure a stable work pressure in the barns air system we recommend using a compressor with 6,8 bar. If the system is to supply 3-4 Stimulus's the compressor must provide 120 litres/minute. 6-8 Stimulus's will demand 240 litres/minute. Stimulus is preset to use 4,5 bar.

Important! To protect the technical systems and the lifetime of your Stimulus you have to install a water drain system on your compressed-air system.



How to use Stimulus

Everybody knows the importance of a thorough stimulation in connection with the insemination – and everybody knows how monotonous this work can be – and that there can be a big difference in the stimulation of the first and last sow in a row.

It is important that the sow has been checked for the onset of oestrus before commencing stimulation. The normal rules on boar contact apply i.e. only introduce boar contact when you are ready to start serving. When you are certain that the sow is on heat, Stimulus should be placed on the sow – and connected to the air system in the barn.

Now Stimulus is activated by pressing the on/off button – and then program 1 is started.

Program 1 is a pre-stimulation program – and it lasts 60 seconds. During this period the program shifts between different kinds of stimulation which are run by program 1. The display counts down from 60, enabling you to follow the progress the whole time. When the 60 seconds have past Stimulus will automatically start up program 2.

When program 1 is ended you may insert the catheter – just like you normally do and the semen container can be placed in the Multi Holder at the end of the antenna on Stimulus. You can adjust the height of the holder by way of the rubber strap on the Multi Holder. Please note that the catheter or semen container must not be bent. There must be a free flow during the insemination.

Program 2 is a stimulation program, which is programmed to last 15 minutes. However, it differs from sow to sow how much stimulation it needs – but it is important that you do not end the stimulation program before the sow has drawn all the semen from the container.

When the service is completed, you can switch off program 2. You do this by activating the on/off button by which Stimulus is turned off.

Now you can move Stimulus to a fresh sow in the row – and move the air hose to the next valve and activate the on button again. Stimulus automatically starts on program 1 – even if you switched off program 2 in the middle of the sequence at the previous sow.

The program in Stimulus is powered by a rechargeable battery. When the battery loses its effect and needs recharging the whole display will start blinking.

We hope you will enjoy Stimulus – and if you have any further questions regarding connection to air or the use you are always welcome to contact us.

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