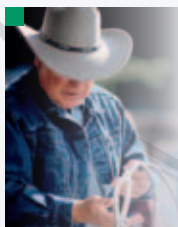


... HorseMonitoring

Powered by MTK Messtechnik Hamburg (GmbH & Co.) KG



- ... *observation*
- ... *measurement*
- ... *alarm*
- ... *listening*

... HorseMonitoring

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The problem

Suppose your horse is expecting a foal. Of course you can have no way of telling just when the birth is going to occur.

Or perhaps your horse is suffering from colic or some other condition where constant observation is called for.

Keeping an eye on the horse right round the clock would be exhausting for you, and costly if you hire someone else to do it.

The solution

HorseMonitoring

HorseMonitoring monitors your horse reliably, without your needing to be there on the spot.

HorseMonitoring enables you to be notified punctually of the state of your horse when it is suffering from colic or in labour, up to and including the birth.

Attached to the chest and shoulder of your horse, the **HorseMonitoring** measures three critical variables:

- Herzfrequenz
- Lage des Pferdes
- Fellfeuchte

Heart frequency

The heart frequency reading will be shown as pulses per minute on the **HorseMonitoring** display and automatically transmitted if the alarm is triggered.

Position of the horse

If the position of the horse changes by more than 10 degrees in relation to the position of the chest pocket at startup, the signal will be processed by the device.

Dampness of hide

Horses sweat (e.g. when in labour) particularly heavily where the neck joins the shoulder. Any change in the dampness of the hide will be registered, and processed by the device if a critical threshold is exceeded.

Functional overview

Being battery-powered, **HorsMonitoring** is independent of the power network. The battery has an operating time of 72 hours.

Contact with the mobile phone network is based on a standard SIM card. When an alarm call is sent out you will receive an SMS message, showing the most recent heart frequency reading.

The call avoids any possible time delay in the sending of the SMS message, so that you will be given prompt and reliable information to let you know just when your horse needs you. But you can also call your horse. This enables you to listen in to the sounds your horse is making in its box – pawing, snorting or stamping – directly over the phone. After you have called in you will also be sent an SMS message showing the current heart frequency.

ECG electrodes integrated in the band are responsible for registering the heart frequency. In addition, one sensor detects the position of the horse and another the dampness of the horse's hide. Isolated factors will not trigger the alarm. Only when the intelligent comparison of the three readings – heart frequency, position and dampness of hide – indicates that action needs to be taken will the alarm signal be sent out.

In this way you will be spared any false alarms, which otherwise could arise when the horse is startled, lies down or is lying on wet straw.

How HorseMonitoring works

Just enter the numbers to be rung on the device, and insert it in the pocket where it belongs. Then attach the chest band with the device and the abdominal band with integrated ECG electrodes" to your horse. After having carried out an automatic self-test, the device is in operational readiness.

HorsMonitoring will now register at all times the horse's heart frequency, position and dampness of hide.

As soon as the evaluation of these data indicates that action needs to be taken, a warning signal will be sent to your mobile phone.

If this should be engaged, **HorseMonitoring** will automatically dial a fall-back number that you have registered on the device, and send the alarm to this number instead.

This ensures that you will always be available to your horse on call.

Scope of delivery

- **HorseMonitoring** consists of an aluminium housing with interface, liquid crystal display and keyboard
- Charging tray on which the basic unit can be kept, and for charging the lithium ion batteries
- Chest band with pocket
- Two-parts abdominal belt
- A bottle of ultra sound gel
- Carrying bag

powered by

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