

HorseMonitoring

... Quick Start:

HorseMonitoring is battery-supplied and has an operating time of 72 hours. The customer needs a SIM card. This should be inserted in the SIM card slot, which may be accessed by opening the side of the housing. Switch on the device and enter the PIN of the SIM card. Then you enter the number of the phone which is to be called in case of an alarm. A second number to be notified can also be registered.

After launching the application a self-test will be carried out, with a call being made to the number(s) you have registered. Any malfunction will be shown on the display. In normal operating conditions the display shows the horse's heart frequency.



HorseMonitoring

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

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

Technical specifications:

Nylon bag with chest to neck band and integrated dampness sensor
Dimensions of the HorseMonitor:
125 x 181 x 42 mm
Protective class: IP53
Display, 4 lines, illuminated
Alphanumeric keyboard with five function keys
Integrated dual band GSM 900/1800 MHz
lithium ion battery, 3.7 volts
Weight: ca. 430 g
Charging station with power supply unit
(230 V/50 Hz)
Ambient conditions when operating:
-10° C to + 40° C max., 90% relative humidity
Storage:
- 20° C to + 55° C (avoid any condensation)

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Veterinary observation and measurement system ■ ■ ■

Mobile alarm device with integrated GSM module ■ ■ ■

For equine use in parturition and in connection with healing processes and colic ■ ■ ■



HorseMonitoring

To be used in connection with parturition, healing processes and colic

... Indicators registered by the HLF alarm

- Observation and analysis of horses during labour pains and in cases of injury or colic.
- Ongoing measurement of heart frequency (Herzfrequenz = H), position of the horse (Lage = L) and dampness of hide (Fellfeuchte = F). If the horse is in a critical state this will be detected through the logical linking of these HLF readings.
- Automatic transmission of Horse Monitoring HLF alarm to the mobile phone of the person(s) responsible.



Heartfrequency = H

Ongoing readings of the heart frequency, based on the ECG electrodes integrated in the band. The heart rate is shown as pulses per minute on HorseMonitoring display, and when the alarm is triggered, a message will be sent by SMS to the mobile of the person(s) responsible.

Position of the horse = L

Changes from the initial position of the horse will be registered by HorseMonitoring, serving as one of several redundant criteria to determine if the animal is in a critical state, in which case an alarm will be sent by SMS to a mobile phone.

Stay constantly in touch with your horse by mobile communication using **HorseMonitoring**

Benefits

- Logical linking of several measurement readings means that you can avoid false alarms.
- No need for an invasive operation on the horse to implant sensors.
- No need for costly ongoing observation.
- Considerable improved efficiency in the use of personnel resources – staff can be deployed flexibly and assigned to deal with parallel tasks.
- Prompt intervention by third parties, based on mobile advance information on the state of the horse transmitted by the HLF alarm.

Calling in

You can call in to listen to the horse and check for restlessness, pawing and snorting – the horse's heart frequency will then be automatically sent by SMS from HorseMonitoring to your mobile.

Getting a call

When the HLF alarm is triggered, HorseMonitoring will send a message to the mobile phone of the person(s) responsible, with simultaneous notification of the horse's heart frequency.



Dampness of hide = F

Deviations from the initial dampness of the horse's skin or hide as a result of sweating will be registered and analysed by HorseMonitoring, serving as one of three redundant criteria to determine if the animal is in a critical state, in which case an alarm will be transmitted.

A special version for veterinary practitioners, in which the indicators can be adapted to the constitution of the horse, may be supplied on request.

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