

Important Safety and Product Information

smaXtec[®] Cow Monitoring System

Version 5.0

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This user manual may not be copied. Changes regarding this document will not be announced. Before using the smaXtec® System, please check if there is a new version of this document available on the website: <http://www.smaxtec.com>

The smaXtec pH Plus Bolus (part of the smaXtec® System) is under protection of the following patents:

WO 2011/079338 A2 (PCT/AT2010/000490)
EP 2 519 098 (EP 10808965.7) (Pending)
AT 509 255 B1 (A 2052/2009)
BR 112012016375-2 (Pending)
CA 2 785 925 A1 (Pending)
RUS 2012 132 453 (Pending)
UA 2012/09263 (Pending)
US 2012/0277550 A1 (13/520,101) (Pending)
ZA 2012/04642

Design Patent:

"Messvorrichtung, insbesondere zur Messung von physiologischen Daten im Körper eines Lebewesens"
"Measuring Instrument"

European Union: RCD 001702598-0001 - Date: 30.04.2010 (DD/MM/YYYY)
USA: US D655,633 S – Date: 19.10.2010 (DD/MM/YYYY)

DD/MM/YYYY

D = Day

M = Month

Y = Year

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Important Safety Information



PLEASE NOTE:

Read all safety information and instructions before using the smaXtec products in order to avoid any injury.

PLEASE NOTE:

Failure to comply with the safety information may lead to fire, electric shock or other injuries and/or damage to the system components.

IMPORTANT NOTICE:

The smaXtec pH Plus Bolus and the smaXtec Classic Bolus are exclusively designed for use in cattle. Use of the smaXtec pH Plus Bolus or the smaXtec Classic Bolus is prohibited in cattle aged under 18 months or weighing less than 450 kg. If in any doubt, please consult your vet.

Explosive atmospheres:

Do not charge or use the smaXtec pH Plus Bolus, smaXtec Classic Bolus, smaXtec Climate Sensor, smaXtec Base Station, and/or smaXtec Repeater in any area with a potentially explosive atmosphere, such as at a fueling area, or in areas where the air contains chemicals or particles (such as grain, dust, or metal powders). Obey all signs and instructions.

High-consequence activities:

This device is not intended for use where the failure of the device could lead to death, personal injury, or severe environmental damage.

Handling the smaXtec pH Plus Bolus, smaXtec Classic Bolus, smaXtec Climate Sensor, smaXtec Base Station or smaXtec Repeater

Do not drop the devices on the floor. Disassembly, opening, breaking, or bending of the devices is prohibited. Do not throw any of the devices into an open fire and do not paint them. Do not heat the devices in the microwave or in any other oven, and do not insert any objects into any of the devices.

Using the smaXtec Base Station and the smaXtec Repeater

Only use the supplied adapter. Should any problems occur, please contact your local dealer or contact smaXtec. This product is designed for use with electricity provided via the supplied adapter. Using other devices can be dangerous and can invalidate the warranty for this product. Only use authorized accessories. Do not connect to any incompatible products or accessories

Safety measures for power supply – smaXtec Base Station and smaXtec Repeater

Only use a properly authorized external power source. For the smaXtec Base Station and the smaXtec Repeater only use a power supply, which according to its labeling provides the required electrical power. If you are in any doubt about which power

supply is required, please contact an authorized provider or your local power company.

Careful handling of batteries – smaXtec pH Plus Bolus, smaXtec Classic Bolus, smaXtec Climate Sensor

The listed devices contain a lithium-metal battery. If the battery is not handled correctly, there is a risk of fire and burning. Do not attempt to open or repair the battery contained in the smaXtec pH Plus Bolus, smaXtec Classic Bolus and smaXtec Climate Sensor. You must not take this battery apart, destroy or make holes in it, cause it to short-circuit, throw it in fire or water or expose it to temperatures over 60°C (110°F).

Safety measures with regard to direct sunlight – smaXtec pH Plus Bolus, smaXtec Classic Bolus, smaXtec Climate Sensor, smaXtec Base Station, smaXtec Repeater

Please ensure that the listed devices are not exposed to excessive humidity or high temperatures. Please do not leave the device for longer periods of time in a vehicle or in any other place where temperatures can rise to above 60°C (110°F), e.g. on a car dashboard, on a window sill or by a window where the sun can shine directly on to it or where it can be affected by UV light. This can cause the device or the vehicle to be damaged and the battery to overheat.

Handling the supplied magnet

A neodymium magnet is built in to the supplied magnet.

Please note that the magnetic fields of various data media (diskettes, hard disks, USB sticks, digital cameras, bank/credit cards, audio and video cassettes) can delete, affect or damage electronic and mechanical components, e.g. pacemakers, monitors, compasses, meters etc.



Please note the safe distances specified by the manufacturer. Always ensure you maintain a safe distance of about 1 meter.

There is no risk of flaking or splintering as the magnet is enclosed in a metal casing. Please also note that the magnet must be kept away from children as there is a danger it could be swallowed.

Scope and handling of the buffer solution supplied with the smaXtec pH Plus Bolus (summary of manufacturer's safety data sheet)

First aid measures:

General information: no specific measures required.

Upon respiration: inhale fresh air, in case of complaints consult a physician.

Upon skin contact: the product does not usually cause any skin irritation.

Upon eye contact: rinse the eyes under running water for several minutes, keeping the eyes open.

Upon swallowing: in case of symptoms consult a physician.

Protection from liquids and atmospheric exposure – external power source for smaXtec Base Station and/or smaXtec Repeater

Do not use the external power source for the smaXtec Base Station and the smaXtec Repeater in rainy conditions, near wash basins or in any other humid environment. Make sure that no liquids come in to contact with the external power source for the smaXtec Base Station and the smaXtec Repeater. Should the external power source for the smaXtec Base Station or the smaXtec Repeater be exposed to humidity, disconnect all cables from the adapter and/or from the wall outlet.

Use of plugs and connections

Never use force to plug a lead in to a socket. Check the connection for foreign bodies. If the plug does not fit properly, it is probably not intended for that particular socket. Please make sure that plug and socket correspond and that you have aligned the plug correctly with the socket.

Acceptable temperature range for the smaXtec pH Plus Bolus and the supplied buffer solution, the smaXtec Classic Bolus and the smaXtec Climate Sensor

Make sure the smaXtec pH Plus Bolus /the smaXtec Classic Bolus is used exclusively within a temperature range of 20 °C to 50 °C. Lower temperatures may result in a reduction in the battery run time. Store the smaXtec pH Plus Bolus and the supplied buffer solution, the smaXtec Classic Bolus and/or smaXtec Climate Sensor in the packing at temperatures ranging from 5 °C to 30 °C.



Caution: To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.

Disposal

Disposal of the smaXtec pH Plus Bolus buffer solution

Recommendation: smaller quantities can be disposed of together with household waste.

Disposal and recycling of the smaXtec pH Plus Bolus, the smaXtec Classic Bolus, the smaXtec Climate Sensor, the smaXtec Base Station and the smaXtec Repeater

These products must be disposed of in accordance with local environmental laws and regulations. Since the smaXtec pH Plus Bolus, the smaXtec Classic Bolus, the smaXtec Climate Sensor, the smaXtec Base Station and the smaXtec Repeater are electronic devices and contain a battery, they must be separated from household waste. If necessary, check with local authorities for disposal and recycling options.



European Union – recommendations for disposal:

The above symbol indicates that this product is to be disposed of separately from household waste in accordance with local laws and regulations. Please ensure you dispose of this product at an official collection point. Several collection points accept used products for disposal free of charge. The separated collection and recycling of waste helps to save on raw material reserves and guarantees adherence to all regulations for the protection of human health and the environment.

Licensing Information

Licensing Information FCC and IC (US, CDN)

Information acc. FCC 15.21:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Part 15 Compliance Statement acc. FCC 15.19/RSS Gen Issue 3 Sect. 7.1.3:

This device complies with Part 15 of the FCC Rules and with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

European Union – Product Conformity

Products bearing the CE mark comply with the R&TTE Directive (99/5/EC), the EMC Directive (2004/108/EC) and the Low Voltage Directive (2006/95/EC), as established by the EU Commission. Compliance with these directives implies conformity with the following European norms:

EN 60950-1:2007 Information technology equipment – Safety Part 1

EN 301 489-1:2008 Electromagnetic compatibility and radio spectrum Matters (ERM); Part 1: Common technical requirements

EN 301 489-3:2003 Electromagnetic compatibility and radio spectrum Matters (ERM); Part 3: Specific conditions for SRD, 9 kHz and 40 GHz

EN 300 220-1:2010 ERM for SRD; used in 25 MHz to 1 000 MHz with up to 500 mW Part 1: Technical characteristics and test methods

EN 300 220-3:2000 ERM for SRD; used in 25 MHz to 1 000 MHz with up to 500 mW, Part 3: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

The smaXtec® System may be used in the following countries:

AT	BE	BG	CH	CY	CZ	DE	DK
EE	ES	FI	FR	GB	GR	HU	IE
IT	IS	LI	LT	LU	LV	MT	NL
NO	PL	PT	RO	SE	SI	SO	TR
US	CA	EG	ZA	NZ	AU	IL	
RU	KZ	BY	MX	CN	BR		