AMUT06
SenseHub Feedlot Tag


SCR


MSD
Animal Health

Contents

1 Overview

This product is an activity monitor Tag to be used with SenseHub application.
The monitoring tag is powered by an internal non-rechargeable battery.

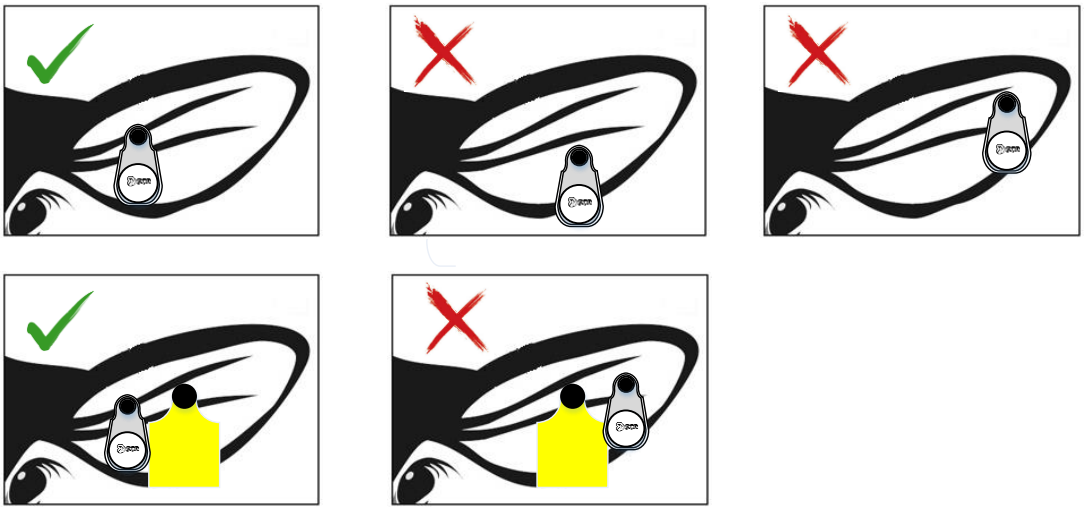
2 Device installation Guide

It is important to correctly attach the tags to the cow's ear in a secure manner to avoid them from turning or falling off.

To securely attach the tag to the cow’s ear:
Ensure that your tag assembly kit includes the following parts:

- AMUT06 TAG
- Pins – optional MO5 1195 or similar
- Applicator - Universal tagger

A properly mounted tag should look like this picture:



3 Device Setup Guide

The tag is physically installed by attaching it to the ear of the animal., as previously described in paragraph 2. During this process, the farm operator will record the tag's serial number (SN) and the animal's identifier using either a reader with an app or manually. This information will then be uploaded to the backend system.

To work with the LoRaWAN network server, the monitoring device sends periodic requests. The network server, already recognizing the device by its unique key based the LoRa communication, will allow seamless connection with the backend. No additional action is required from the user to introduce the device to the network.

4 Device Operation

During normal operation, the device will periodically transmit data packets containing animal monitoring information and device telemetry data. In the event of lost data messages between the network (management system) and the tag, the server will request the missing information and retrieve it in a timely manner.
The tag is equipped with a visual indication feature, where a blinking light alerts the user when attention is needed. This indication is activated based on a command from the management application.
As part of its routine operation, the tag will send telemetric information regarding its status and identification. The device will continue to operate normally until a hardware fault occurs or its battery is depleted. All protocol communications adhere to the LoRa WAN protocol.

5 Maintenance

N/A, Tag operation lifetime is 1 year.

6 Specs

Device	Brand – **SenseHub ™ Feedlot** Product Name - **SenseHub Feedlot Tag** or **Monitoring LR Ear Tag** Model – **AMUT06**	
Communication	LoRa WAN protocol **Output power:** 14 dBm Max Antenna gain: -6.7 dB US and Canada Uplink 902.3 to 914.9MHz 200KHz increments Downlink 923.3 to 927.5MHz 600KHz increment **Passive** internal NFC • ISO/IEC 15693-2/-3 • ISO/IEC 18000-3 Compliant • 13.56-MHz Operating Frequency • Occupied bandwidth 0.5MHz	
Power	An internal non-rechargeable battery. 3.0V/400mAh Li-MnO2	
Physical	Size - 69mm x 35mm x 13.3mm Weight – up to 19gr	
Environmental	Outdoor installation Operational Ambient temperature -20°C to 50°C Storage temperature -20°C to 50°C Operation Humidity IP 67	
Certification and Approval	North America	FCC ID: **AMUT06** IC – **26436-AMUT06**
	Safety	EN 62368-1 outdoor
	ISO 9001	

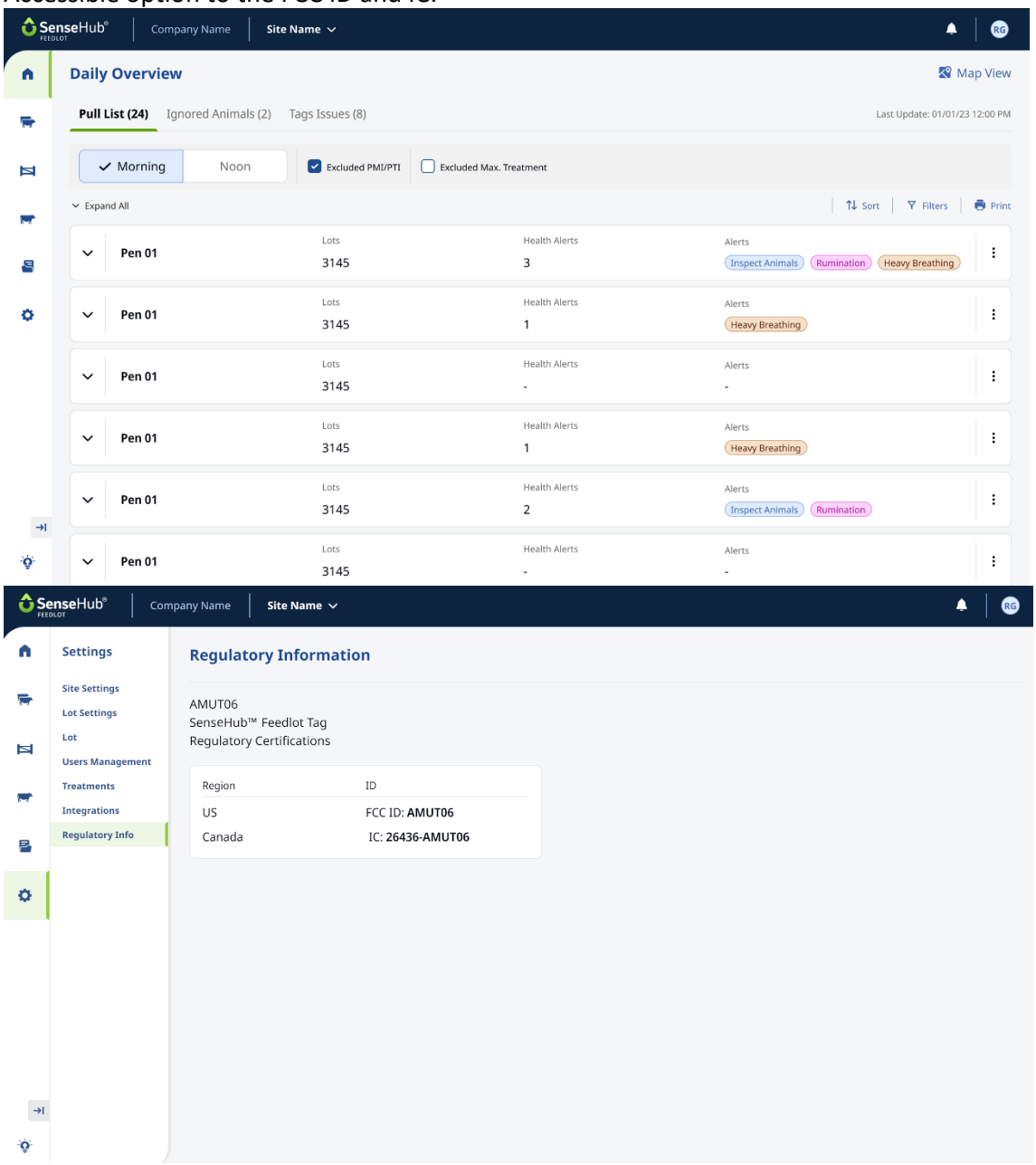
Add all relevant standards, logo for relevant certificates

7 Product marking – Regulatory ID – e-Labeling

Access to regulatory information is available via the management web application or mobile application.

The management application is part of the SenseHub Feedlot system and essential for the system operation and monitoring.
Application name “SenseHub Feedlot”, below see path to the regulatory page

Accessible option to the FCC ID and IC:



This device complies with FCC Rules Part 15 and with Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference

(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;
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

- This Class B digital apparatus complies with Canadian ICES-003.
- Cet appareil numerique de la classe B est conforme a la norme NMB-003 du Canada.

Changes or modifications to this equipment not expressly approved by the party responsible for compliance (SCR Engineers Ltd.) could void the user's authority to operate the equipment.

SCR engineers Ltd n'approuve aucune modification apportée à l'appareil par l'utilisateur, quelle qu'en soit la nature. Tout changement ou modification peuvent annuler le droit d'utilisation de l'appareil par l'utilisateur.

Version History:

1.0	first version

Public

DISCLAIMER

The information in this manual represents the product, technical specifications, and installation process applicable at the time of issuing such manual. The company reserves the right to change or update the product, the technical specifications and installation process of the product described in this manual without notice at any time. This product is not intended to diagnose, treat, cure, or prevent any disease in animals. For the diagnosis, treatment, cure, or prevention of disease in animals, you should consult your veterinarian. The accuracy of the data collected and presented through this product is not intended to match that of medical devices or scientific measurement devices.

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