

User Guide

Tru-Test
DATAMARS

Dairy Drafter / Sort Gate

*Deliver this User Guide to the
farmer/producer*

This user guide provides instructions for farmers/producers on how to use a Tru-Test Dairy Drafter/Sort Gate.



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Datamars SA (Global Headquarters)
Via Industria 16
6814 Lamone
Switzerland

DATAMARS

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Conventions used in this document

Key to symbols

Symbol	Description	Examples
	Warning To mitigate risk of injury.	This component is very heavy. Be careful when lifting it out of the packaging.
	Caution or Stop Take special care to prevent damage to a product. Important information to read before starting a procedure.	Do NOT overtighten the bolts as this may strip the threads.
	Tip Idea or recommendation.	Lay out all the parts in the order they will be used.
	Information Reference to another source of information.	Refer to the Datamars Livestock Knowledge Base to see a video showing this procedure.
	Note Related information.	Images are indicative of shipped part and not shown to scale.

Nomenclature – Dairy Drafter/Sort Gate

This device is known as a Dairy Drafter in some markets and as a Sort Gate in others. In the body of this document, we have used the term Dairy Drafter for clarity.

Introduction

About this document

This document is intended for farmers/producers/managers who use the Dairy Drafter. It provides basic information on how to get started using the Dairy Drafter.

Using the Dairy Drafter

Following the installation, a Datamars representative will explain:

- How the system works (the system components in the parlour/milking shed).
- How to contact the Customer Success team. The team will provide training on how to use the Dairy Drafter with the Livestock web and mobile apps.
- How the drafting setup has been configured for the farm. Note that the drafting configuration mustn't be changed without assistance from the Customer Success team.
- That animals will be wary of the new hardware in the parlour/milking shed and that it will take around 3-4 days before they become accustomed to it.
- The importance of leaving the Control Unit, Gate Manager and ID My Cow components ON at all times.
- How to use the Datamars Livestock mobile app to check that the system is working correctly.
- That if the internet goes down, you will need to check and reset the farm modem (Wi-Fi and ethernet connections) OR check the SIM account status (LTE), reboot the Control Unit, then phone the Customer Success team who will confirm whether everything is OK.
- How to use the emergency stop button and the Gate Manager keypad.
- The maintenance schedule.

This document is designed to assist with this handover.

The Tru-Test Dairy Drafter is specifically designed for dairy applications where animals are regularly drafted for checking, treatment, insemination or special care. The Dairy Drafter is installed in the exit race of the milking shed/parlour so that animals can be automatically drafted after milking.



Datamars Livestock mobile app

Overview of how the Dairy Drafter works

The Dairy Drafter consists of:

- Drafting Gates – these are on the left and right of the exit race, leading to holding pens. The drafting gates move when an animal in the draft list is identified, and the gates will open and close to allow only the selected animal into the holding pen.
- Saloon Gate – this controls the timing and flow of animals through the exit race so that individual animals are accurately drafted.
- A Control Unit – this contains a gateway to connect to the internet via ethernet, LTE (4G) or Wi-Fi.
- Beam Sensors – these determine precisely where the animal is in the race so that the correct animal is drafted.
- A Gate Manager – this sends a signal to the pneumatic control circuits which actuate the saloon and drafting gates.

Identification options

Animals can be identified using one of these methods:

ID My Cow Identification option

Animals are identified using their Tru-Test Active Collar Tags or Active Ear Tags. The ID My Cow identification option requires two *Bluetooth* readers and an activation antenna.

EID Identification option

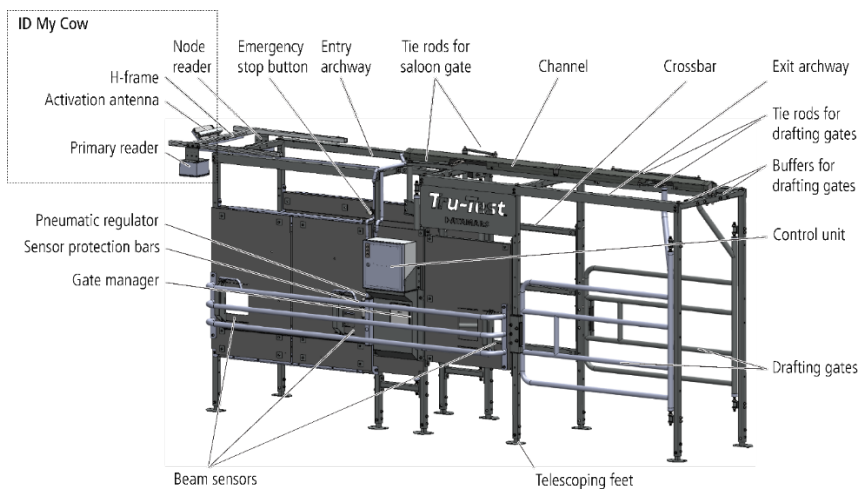
Animals are identified using their EID ear tags. The EID identification option requires an RFID EID Antenna. An RFID Reader is housed in the Control Unit.

Integration options

The Dairy Drafter can be integrated with:

- Datamars Livestock cloud software
- Datamars Livestock web and mobile apps
- Other farm management programs

Parts of the Dairy Drafter



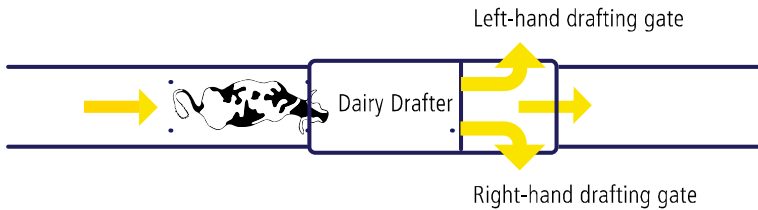
Gate positions

Saloon gate

If animals enter the Dairy Drafter spaced apart in single file, the saloon gate will remain open, allowing animals to walk through the race unhindered. However, if animals are queued closely, the saloon gate will momentarily close in front of animals closely following an animal which is being drafted. This short pause in the animal flow provides a few seconds for the lead animal to move into the drafting pen and for the draft gate to close behind her.

Draft gates

Throughout this document, draft gates are referred to as left and right as viewed from an animal's perspective moving through the Dairy Drafter.



Using the Datamars Livestock web app

Browse to <https://monitoring.livestock.datamars.com> and bookmark it.

Logging in

Log in using the credentials supplied to you by the installer during the handover.

Send invitations to other users

The farmer/producer/manager should send invitations to other staff members.

Using the Datamars Livestock mobile app

Installing the Datamars Livestock mobile app

Browse to either the Apple Store if using an iPhone, or Google Play store if using an Android device. Search for the Datamars Livestock mobile app and install it.



Logging in

Log in using the credentials supplied to you by the installer during the handover.

Other staff members should accept their invitation.

Getting help

Contacting Datamars for support

Customer Success team

A Customer Success team provides local support for Datamars customers. To contact the Customer Success Team:

- In the Datamars Livestock mobile app, in the main menu, tap **Contact Support**.
- In the Datamars Livestock web app, in the top right-hand corner, click **Support**.
- Email **sf-support@datamars.com**

Phone:

AU: 1800 248 774

NZ: 0800 243 282

NAM: 1 888 431 0957

UK: +44 204 571 7717

IR: +353 242 8844

Accessing the Knowledge Base

The Datamars Livestock Knowledge Base provides searchable articles and videos to help you when you need it. The Knowledge Base provides instant support for our apps, software and products. Access the Knowledge Base via the Datamars Livestock web or mobile app or go to support.livestock.datamars.com.



Online training

The Datamars Livestock Training Academy provides easy, accessible online training modules. You can work at your own pace to learn about our products and solutions. Register for free at livestock.datamars.com/training-academy

DATAMARS
Livestock

TRAINING ACADEMY

 English



Welcome to the

Datamars Livestock

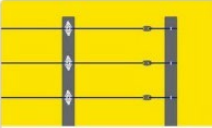
Training Academy

Whether you're a Datamars Livestock channel partner, or a livestock producer or farmer, we have on-demand training available to support you.

Check back regularly, as we're adding new courses every few weeks.



We recommend using **Google Chrome** for a smoother learning experience.



Electric Fencing
Learn how to keep livestock in, and predators out, with our electric fencing courses.



Animal Weighing
Learn about the advantages and know-how of measuring livestock performance, enabling you to make informed decisions.

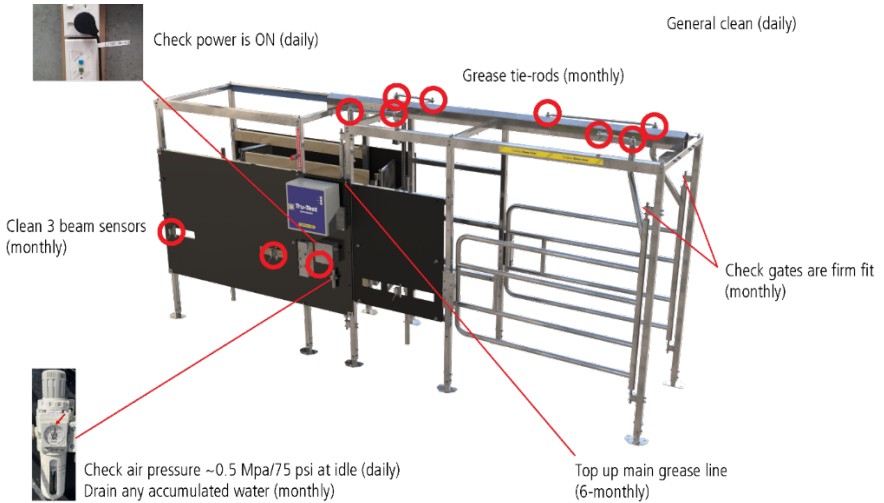


Animal Identification
Discover the advantages of identifying individual animals in your herd.



Maintenance and checks

Some maintenance and checks are required to keep the Dairy Drafter in good working order.



Daily

Check power is on.

Check air pressure is set to a minimum of 0.5 Mpa/73 psi at idle.



Do not exceed 0.6 Mpa/87 psi. This could result in injury to animals.

Clean Dairy Drafter

Hose to remove mud/manure

Monthly

Check beam sensors are clean.	Wipe with a cloth to remove mud/manure
Drain air filter/pneumatic regulator.	Drain any water which has accumulated in the air filter/pneumatic regulator.
Keep the tie-rods greased.	Grease the tie rod end bearings and external eyelet bearings to keep the gates moving smoothly.
Check gates are firm.	Check that all gates are correctly adjusted with a firm fit. Turn off the air pressure and move the gates manually. They should move freely.

Six-monthly maintenance

Keep grease topped up.	Pump grease into the main grease line to distribute grease to the bearings inside the channel. We recommend using NLGI #2 grease and pumping 5 times every six months. <i>Caution!</i> Pump slowly ~one pump per second.
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Maintenance and testing procedures

Greasing the tie rods

1. Use a grease gun to grease all tie rod ends (8 points). Grease should bleed out between ball joint.
2. If the Dairy Drafter is subject to dust, fit boots to the tie rod ends.



Setting the air pressure

Set the air pressure on the pneumatic regulator to a minimum of 0.5 MPa/73 psi at idle.



Do not exceed 0.6 MPa/87 psi. This could result in injury to animals.



Testing the emergency stop button

1. With the Dairy Drafter fully operational, press the emergency stop button:



1. Immediately, you should hear the air line depressurise. None of the gates will be function and they will seem 'floppy'.
2. At the end of this test, stand clear of the drafting gates and turn the emergency stop button clockwise to release and reset it.



As soon as the emergency stop button is turned, the air line will immediately repressurise and the gates will snap back into position. If any part of your body is near the drafting gates, there is a risk of becoming trapped.

Calibrating the three beam sensors

The beam sensors should only be calibrated as part of troubleshooting.



Be careful when using a screwdriver on the beam sensor adjusters. Insert the screwdriver into the adjuster and turn it slowly and gently so that the beam sensor is not damaged.

To calibrate a beam sensor:

1. Use a flat-bladed screwdriver to turn the adjuster *counter-clockwise* as far as it will go. The minimum setting is 20 cm (8").

The Green LED illuminates in stable light conditions:



Turn adjuster counter-clockwise to minimum setting

Green LED illuminates (stable light conditions)

2. Place an object $\frac{3}{4}$ of the way across the race, at a 90° angle to the beam sensor.

3. Turn the adjuster slowly in a *clockwise* direction until the Red LED on the beam sensor illuminates. The Red LED indicates when it has sensed the object:



Turn adjuster in a clockwise direction...

until the beam sensor has sensed the object
and the Red LED illuminates

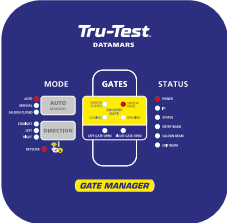
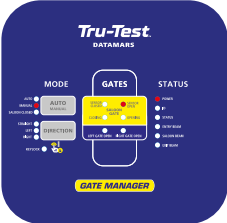
4. Repeat the calibration procedure on the other beam sensors.

Testing the gates using the Gate Manager

This test provides confirmation that the three beam sensors are correctly calibrated and that the two micro-switches for the saloon gates are functioning correctly.

Follow the test script, checking the LEDs and gate positions:

Check status on power-up and check Auto/Manual and Keylock buttons

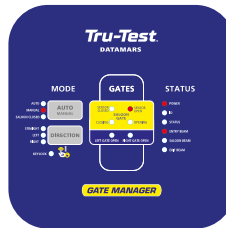
Instruction	LEDs	Explanation of LEDs
On power-up, the Gate Manager is in Auto Drafting mode.  The keypad will automatically lock if it has not been used for 20 seconds. To unlock the keypad, press Auto/Manual twice.		Auto LED on. Keylock LED on.
Press Auto/Manual to enter Manual Drafting mode.  Press Auto/Manual at any time to toggle between Auto and Manual Drafting mode.		Manual LED on

Check the Beam Sensors are working

Instruction

Place an object $\frac{3}{4}$ of the way across the race at a 90° angle to each beam sensor.

LEDs



Explanation of LEDs

Each beam sensor LED (Entry Beam, Saloon Beam and Exit Beam) should illuminate when the beam is broken.

Check Saloon Gate Open/Close

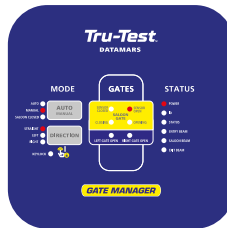
Instruction

If necessary, unlock the keypad by pressing **Auto/Manual** twice.

The saloon gate will be closed, stopping animals.

Press **Direction** to open the saloon gate.

Press **Direction** again to close the saloon gate, stopping animals.

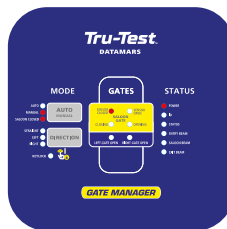


Explanation of LEDs

When the saloon gate has fully opened, the **Sensor Open** LED will illuminate.

Gate positions

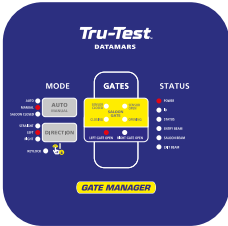
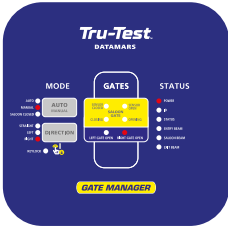
Saloon gate OPEN



When the saloon gate is fully closed, the **Sensor Closed** LED will illuminate.

Saloon gate CLOSED

Check Draft Gates Open/Close

Instruction	LEDs	Explanation of LEDs	Gate positions
If necessary, unlock the keypad by pressing Auto/Manual twice. Press Direction to open the left draft gate.		When the Left Draft Gate is open the LEFT LED will illuminate.	Left Draft Gate OPEN.
Press Direction again to open the right draft gate.		When the Right Draft Gate is open the RIGHT LED will illuminate.	Right Draft Gate OPEN.

Troubleshooting

Symptom	Problem	Remedy
An animal has become stuck in the saloon gate.	A number of animals have queued closely and barged into the saloon gate at once and an animal has become stuck.	1. Immediately press the emergency stop button. This will depressurise the gate actuators so that they can be moved manually.
	The Dairy Drafter may have malfunctioned.	2. Step into the race and manually free the trapped animal. Clear the animals immediately behind her, sorting them manually into the correct pens. 3. Exit the race, stand well clear of the gates, then turn the emergency stop button clockwise to release and reset it. Animals should now draft correctly.
There are no LEDs illuminated on the Control Unit, gate manager or ID My Cow readers	The power supply to the Dairy Drafter may have accidentally been turned OFF.	Check that the Dairy Drafter is plugged in and switched ON.
	The circuit breaker for the Dairy Drafter may have tripped.	Check the circuit board to make sure the circuit breaker for the Dairy Drafter is ON.
	Cable damage	1. Remove the conduit and check for visible cable damage. 2. Ask a registered electrician to replace any faulty cables.
	Faulty power supply	Ask a registered electrician to check the power supply to the Dairy Drafter.

Symptom	Problem	Remedy
Offline notification	Internet outage	Wi-Fi or ethernet internet connection 1. Check that the farm's modem is connected to the internet and functioning correctly. 2. If necessary, reset the modem. 3. Reboot the Control Unit. LTE (4G) internet connection 1. Use a mobile phone to check that the signal strength is adequate at the Dairy Drafter. 2. Contact the internet provider to check that the SIM account is active. 3. Reboot the Control Unit.
	The Dairy Drafter is not drafting cows, even though it is receiving power. The emergency stop button may have been activated. • The emergency button will be depressed. • The pneumatic regulator will still read ~0.5 MPa/73 psi, but the saloon gate and drafting gates will not be functioning and will seem 'floppy'.	Turn the emergency stop button clockwise to release and reset it.
	The air compressor may have accidentally been switched OFF.	Check that the air compressor is plugged in and switched ON.
	The circuit breaker for the air compressor may have been tripped.	Check the circuit board to make sure the circuit breaker for the air compressor is ON.

Symptom	Problem	Remedy
	Cable damage	1. Remove the conduit and check for visible cable damage. 2. Ask a registered electrician to replace any faulty cables.
	Faulty power supply	Ask a registered electrician to check the power supply to the Dairy Drafter.
A particular animal is not being drafted, even though other animals are being drafted correctly.	Duplicate IDs	There should be NO duplicate IDs on animals or in Datamars Livestock. Duplicate IDs may cause the wrong animal to be drafted. 1. Remove the old VID tags from both animals. Attach new VID tags and update Datamars Livestock OR 2. Edit the animal records in Datamars Livestock by adding a prefix or suffix e.g. 10-red tag or 10-friesian or a year of birth e.g. 10-2023.
	Animal has lost its active tag (ID My Cow identification option) or EID tag (EID identification option).	1. Use the Datamars Livestock web app to verify when the animal was last seen (My Devices / Active Tag) and whether the animal should have been drafted (Drafting). 2. Apply a new active tag or EID tag and update the animal record in Datamars Livestock (My Herd / Animals).
	Active tag has a flat battery.	1. Use the Datamars Livestock web app to check whether an active tag has a flat battery (My Devices / Active Tag / Battery remaining) and whether the animal should have been drafted (Drafting). 2. Apply a new active tag or EID tag and update the animal record in Datamars Livestock (My Herd / Animals).

Symptom	Problem	Remedy
	Beam sensors dirty, OFF or not calibrated correctly.	Check the function of the beam sensors (see page 21). If one of the beam sensors is not functioning correctly: 1. Clean the beam sensor thoroughly with a damp cloth. 2. Check that the bottom adjuster on the beam sensor has been turned in a clockwise direction as far as it will go (small circle closest to the L). 3. Re-calibrate the beam sensor by placing an object $\frac{3}{4}$ way across the race at a 90° angle to the beam sensor. For full instructions, see page 18. 4. If the beam sensor is still not functioning, replace the beam sensor. Contact the Customer Success team.
	If the saloon gate actuation is sluggish, the micro switches in the channel which control the saloon gate may not be functioning correctly.	Contact the Customer Success team.
	Air compressor has insufficient pressure.	Set the air pressure on the pneumatic regulator to a minimum of 0.5 MPa/73 psi.  Do not exceed 0.6 MPa/87 psi. This could result in injury to animals.

Symptom	Problem	Remedy
Unusual noises coming from the Dairy Drafter	Air line leak	1. Check for a leak in the air line between the air compressor and the gates or a leak in one of the gates. 2. If you suspect a leak in the air line which is in the channel, contact the Customer Success team. 3. Replace air line as required.
	Loose or squeaking hinges/hinge joints on the saloon gate or drafting gates.	Inspect the gate bearing assembly and adjust the gates. For information, contact the Customer Success team.
	Squeaking or chattering noises coming from the channel.	Prime the grease line to distribute grease to the bearings inside the channel. See page 13.
No animals are being drafted even though the system seems to be operational.	ID My Cow identification option - Active Tags are not being read by ID My Cow.	Active Tags are not being read by ID My Cow. Check that the Primary and Node Readers are correctly positioned and haven't been knocked. Check that the activation antenna is still correctly oriented at a 45 degree angle towards animals as they approach the Dairy Drafter. Check the LED lights on the Primary Reader. The Power LED should be illuminated. If not, check all the ID My Cow components and cables for visible damage.
	EID identification option – electrical noise is causing interference.	Contact the Customer Success team.

Product warranty

Terms and conditions for Dairy Drafter/Sort Gate

Datamars SA's warranty obligations for the Dairy Drafter/Sort Gate manufactured by, or for Datamars SA, are limited to the terms set out in this policy.

Datamars SA warrants its products to be free of defective materials and workmanship for the periods outlined below.

If a warranted defect occurs, please return the product along with proof of purchase to the place of purchase. If Datamars SA receives a valid claim within the warranty period, Datamars SA will, at its option:

- Repair the product at no charge, using new replacement parts.
- Exchange the product with a product that is new or has functionality equivalent to the original product; or
- Refund the product's original purchase price.

Warranty period

The period of warranty (warranty period) begins at original date of purchase and runs for the following terms:

- Two years against manufacturing defect.

Exclusions and limitations

This warranty applies only to Datamars products manufactured or supplied by, or for Datamars SA.

The liability of Datamars SA under this warranty is excluded to the extent that any defect has been caused or contributed to, by:

- Any accident, contamination, tampering, modification, wilful damage, improper storage, improper use or negligent act of, or by omission by, any person other than Datamars SA
 - Improper installation of the unit
 - The use of the unit for any other purpose than drafting/sorting animals
-

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- The use of the unit for any other purpose than for which it was intended
 - The use of anything other than the original equipment or manufacturer's parts
 - Any damage to the unit caused by storm, landslide, fire, lightning, earthquake, tornado or any other naturally occurring phenomenon
 - Any damage to the cabling caused by production animals, vermin, bird life or other pest
 - This warranty specifically excludes the unit colour, which may fade or change over time.

To the maximum extent permitted by law, this warranty is exclusive, personal to you, non-transferable, and in lieu of all other warranties, representations or conditions relating to this product (whether express or implied and whenever arising) whether originating by statute, law, trade, custom or otherwise.

The product warranty is only valid in the original country of purchase. Any claims made in another country may incur full repair costs at the owner's expense.

Compliance

The Dairy Drafter/Sort Gate and its sub-components (specifically the ID My Cow external antenna with 7.0 dBi gain), must only be installed by Datamars or a third-party professional installer employed by Datamars.

FCC notice

This device complies with part 15 of the FCC Rules. 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.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC warning

Note: Users are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT NOTE: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm (8") between any of the antennas in the system and your body.

Responsible party in the USA

This product is supplied by:

Datamars Inc
528 Grant Road
Mineral Wells
Texas 76067
UNITED STATES
Toll free: 800 874 8494

ISED Canada notice

For a Dairy Drafter/Sort Gate system that includes the large EID Antenna and that uses the XRP2i Panel Reader included in the WOW/Drafter Control Unit:

The radio transmitter in the model XRP2i-1 Low Frequency Electronic ID (EID) Panel Reader (IC: 8521A-XRP21) incorporated in this system has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list, that have a gain greater than the maximum gain indicated for any type listed, are strictly prohibited for use with this device:

- Large EID Antenna, for use with Tru-Test XRP2i Panel Reader: Gain = 0 dBi, Impedance = 2 k Ω
- Small EID Antenna*, for use with Tru-Test XRP2i Panel Reader: Gain = 0 dBi, Impedance = 2 k Ω

*the Small EID Antenna is not designed for, or intended for use in, the Dairy Drafter/Sort Gate.

Under ISED Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by ISED Canada.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

For a Dairy Drafter/Sort Gate system that includes the ID My Cow subsystem and does not include the Large EID Antenna:

The radio transmitter in the ID My Cow Primary Reader (IC: 8521A-IDMYCOW) incorporated in this system has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type are strictly prohibited for use with this device:

ID My Cow Antenna, for use with ID My Cow Primary Reader: Gain = 7 dBi, Impedance = 50 Ω

Under ISED Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by ISED Canada.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Avis d'ISDE Canada

Pour un système à portillon de tri Dairy Drafter qui inclut la grande antenne EID et qui utilise le panneau lecteur XRP2i inclus dans l'unité de contrôle du système WOW/Drafter :

L'émetteur radio du panneau lecteur de puces d'identification électronique (EID) à basse fréquence modèle XRP2i-1 (IC : 8521A-XRP2i) incorporé dans ce système a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antennes énumérés ci-dessous. Le gain admissible maximal est également indiqué. Il est strictement interdit d'utiliser avec cet appareil des types d'antennes non inclus dans cette liste (dont le gain est supérieur au gain maximal indiqué pour tout type figurant dans la liste) :

Grande antenne EID, pour une utilisation avec le panneau lecteur XRP2i Tru-Test : Gain = 0 dBi, Impédance = 2 k Ω

Petite antenne EID*, pour une utilisation avec le panneau lecteur XRP2i Tru-Test : Gain = 0 dBi, Impédance = 2 k Ω

* La petite antenne EID n'est pas conçue ni destinée à être utilisée dans le Dairy Drafter.

Conformément à la réglementation d'ISDE Canada, le présent émetteur radio ne peut être utilisé qu'avec une antenne d'un type et d'un gain maximal approuvés pour l'émetteur par ISDE Canada.

Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes:

- (1) Cet appareil ne doit pas causer d'interférences
- (2) Cet appareil doit accepter toutes les interférences, y compris celles susceptibles de provoquer un fonctionnement indésirable de l'appareil

Pour un système à portillon de tri Dairy Drafter qui inclut le sous-système ID My Cow et qui n'inclut pas la grande antenne EID :

L'émetteur radio du lecteur principal ID My Cow (IC : 8521A-IDMYCOW) incorporé dans ce système a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antennes énumérés ci-dessous. Le gain admissible maximal est également indiqué. Il est strictement interdit d'utiliser avec cet appareil des types d'antennes non inclus dans cette liste (dont le gain est supérieur au gain maximal indiqué pour n'importe quel type) :

Antenne ID My Cow, pour une utilisation avec le lecteur principal ID My Cow : Gain = 7 dBi, Impédance = 50 Ω

Conformément à la réglementation d'ISDE Canada, le présent émetteur radio ne peut être utilisé qu'avec une antenne d'un type et d'un gain maximal approuvés pour l'émetteur par ISDE Canada.

Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes:

- (1) Cet appareil ne doit pas causer d'interférences
- (2) Cet appareil doit accepter toutes les interférences, y compris celles susceptibles de provoquer un fonctionnement indésirable de l'appareil

ISED Canada warning

Installation within Canada: To maintain compliance with ISED Canada RF exposure compliance requirements, please follow the operation instructions as documented in this guide. This equipment should be installed and operated with a minimum distance of 20 cm (8") between any of the antennas in the system and your body.

Avertissement d'ISDE Canada

Installation au Canada : Pour répondre aux consignes d'exposition aux fréquences radio (RF) d'ISDE, veuillez vous conformer aux instructions d'utilisation décrites dans le présent manuel. Cet équipement doit être installé et utilisé en respectant une distance minimale de 20 cm entre les antennes du système et votre corps.



Hereby, Datamars declares that the Control Unit and ID My Cow system components within the Dairy Drafter/Sort Gate are in compliance with Directive 2014/53/EU. The declarations of conformity are available in full at the following internet address <https://intl.tru-test.com/compliance>

Operating frequency bands and related maximum radio-frequency power transmitted

A Dairy Drafter/Sort Gate system is supplied with different system components, depending on the method used for identifying animals and the method used for connecting to the internet.

Emissions from components that may be included in the Dairy Drafter/Sort Gate system:

Control unit

- The EID Antenna used for animal identification emits a maximum of 0.8 dBm e.i.r.p in the frequency band 134.18 kHz to 134.22 kHz.
- The LTE antenna used for connection to the internet emits a maximum of 24 dBm e.i.r.p across all frequency bands.
- The Wi-Fi antenna used for connection to the internet emits a maximum of 20 dBm e.i.r.p in the frequency band 2412 MHz to 2472 MHz.

ID My Cow

- The ID My Cow Antenna used for animal identification emits a maximum of -2 dBm e.i.r.p in the frequency band 2400 MHz to 2483.5 MHz.