

Puls

Automation

 by InterPuls

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Company Profile



Profile

Established in: 1974
Presence: 70 countries across the 5 continents
30 patents in the last 5 years
10% of the annual turnover invested in R&D

Employees: 85
Average age: 37
University graduates: 20%



Vision

We aim at being recognized as one of the most specialized producers of milking components and solutions in the world!

Teamwork

Know-how, skills, passion for the product and the job are all vital elements in the company's image and reputation on the market.



Operational Excellence

Benefiting from one of the most advanced logistic systems in the industry. Working as a "team" with our suppliers is crucial in order to continue offering our customers the highest quality at competitive costs.



InterPuls & the Community

Business ethics is one of the grounding values of our company and we draw our inspiration from them. Each day!



Mission as a guide

Deliver added value to our customers, OEMs and distributors, with components for milking systems that are innovative, high quality and competitive in price. "Part of Your Business" is the pay-off that reflects the company mission.



Business model

InterPuls has a flexible business model, accompanied by a range of products that remain state-of-the-art thanks to its excellent testing center that turns out attractive and functional designs, with the typical "Made in Italy" touch.

Environment and Us

We strongly believe in the environmental responsibility and we want to be active part of a sustainable future. Our constant effort for improving products with energy-saving technology and the will to reduce wastes and CO2 emissions during our daily work, are integral part of our being as human beings and as a company.



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Portable iMilk401

Tie Stall Milk Yield Indicator

Portable iMilk401 "Lite"



Protection class IP67

iMilk401 è la risposta alla crescente necessità di avere una indicazione di produzione di latte per stalle con vacche legate. Il quadro di comando permette di scegliere tra 5 programmi di mungitura, assicurando l'impostazione ideale per qualsiasi esigenza.

iMilk401 is the answer to the growing demand of milk yield indicator for tie-stall barn. The panel permits to choose among 5 milking program, ensuring a tailor made setting depending of the need.

iMilk401 est la réponse au besoin croissant d'avoir une indication de la production du lait dans les installation à stabulation fixe. Le panneau permet de choisir entre 5 programmes de traite, en assurant le réglage idéal pour toutes exigences.

Система **iMilk401** создана в ответ на растущий запрос в необходимости подсчета продуктивности молока у коров при привязном стойловом содержании. Панель управления с 5-ю программами доения и с широким выбором индивидуальных настроек, отвечает самым взыскательным требованиям.



Caratteristiche

- ✓ Avanzata indicazione della produzione
- ✓ Rilevamento conducibilità e cellule somatiche
- ✓ Controllo avanzato della Pulsazione
- ✓ Controllo avanzato della stimolazione
- ✓ Controllo avanzato delle funzioni ACR
- ✓ Disponibile con Dairy Management DHM
- ✓ Identificazione Manuale

Features

- ✓ Advanced Yield indication
- ✓ Conductivity and SCC information
- ✓ Advanced Pulsation control
- ✓ Advanced stimulation control
- ✓ Reliable ACR control
- ✓ DHM Dairy Management available
- ✓ Manual ID

Caractéristiques

- ✓ Indication avancée de la production
- ✓ Detection de la conductivité des cellules somatiques
- ✓ Contrôle avancé de la pulsation
- ✓ Contrôle avancé de la stimulation
- ✓ Contrôle avancé des fonctions de l'ACR
- ✓ Disponible avec Dairy Management DHM
- ✓ Identification manuelle

Характеристики

- ✓ Передовые методы подсчета продуктивности
- ✓ Измерение проводимости молока и подсчет соматических клеток
- ✓ Опережающий контроль за пульсацией
- ✓ Опережающий контроль за стимуляцией
- ✓ Опережающий контроль за функциями ACR
- ✓ Доступен с Dairy Management DHM
- ✓ Ручная идентификация

Vantaggi

- ✓ Mungitura ergonomica
- ✓ Fino a 45 mungiture memorizzabili per pannello
- ✓ Software di gestione mandria completo e facile da usare
- ✓ Ampio display multifunzione
- ✓ Controllo avanzato delle funzioni di lavaggio

Benefits

- ✓ Ergonomic milking
- ✓ Up to 45 milking record per panel
- ✓ Complete and user-friendly Dairy Management
- ✓ Large multifunction display
- ✓ Advanced washing control

Avantages

- ✓ Traite ergonomique
- ✓ Jusqu'à 45 traites mémorisables pour chaque panneau
- ✓ Software pour la gestion du troupeau complet et facile à utiliser
- ✓ Display grand et multifonctions
- ✓ Contrôle avancé des fonctions de lavage

Преимущества

- ✓ Эргономичное доение
- ✓ В программу панели заложено до 45 настроек
- ✓ Легкая в использовании компьютеризированная система управления стадом
- ✓ Широкий многофункциональный дисплей
- ✓ Контроль за функциями промывки

Portable iMilk401 set-up includes:

- ✓ Electronic Pulsator and CV
- ✓ DVC1000 cylinder
- ✓ iMilk401 + sensor
- ✓ SOvalve evo
- ✓ Prewired cables

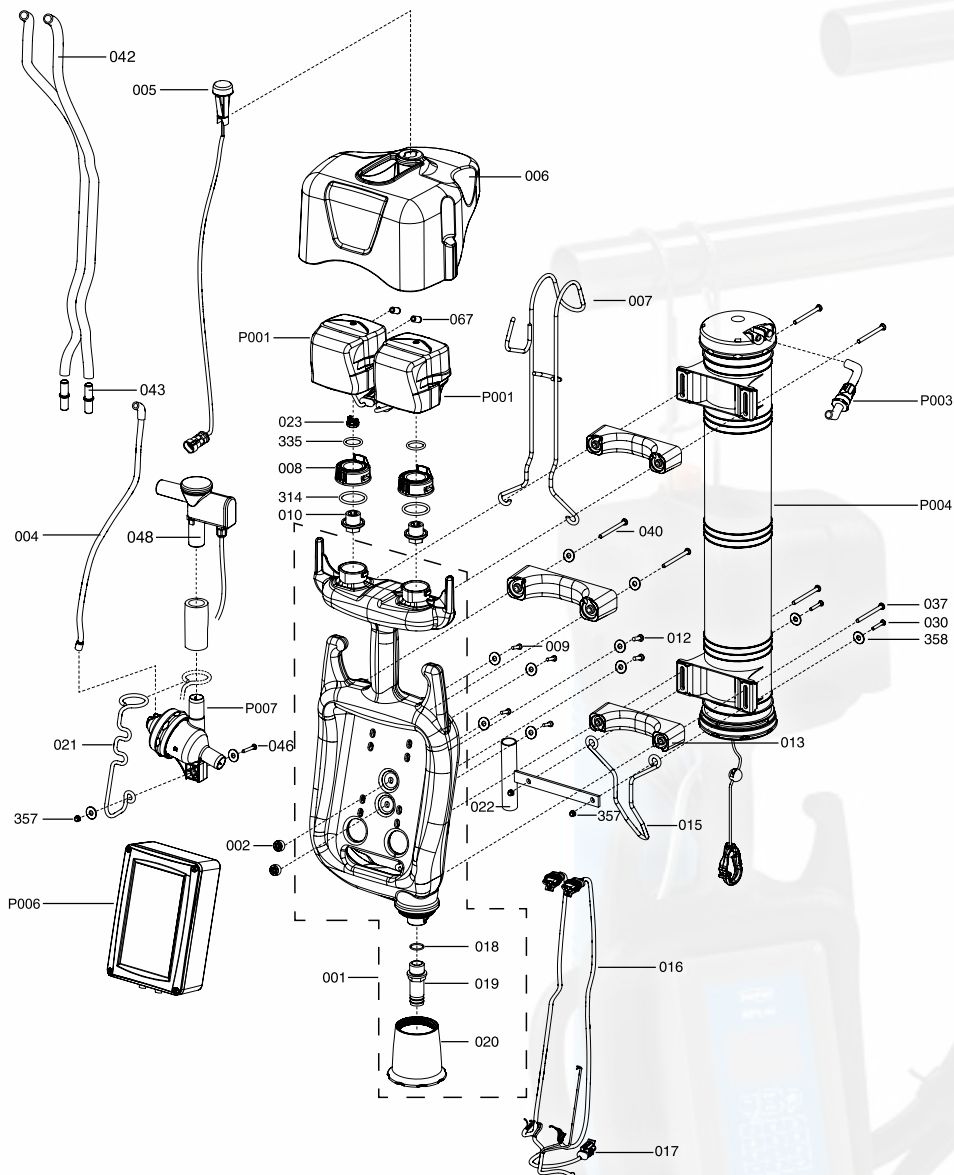


D.H.M. Pro
Dairy Management

Dati Tecnici / Technical Data

Peso / Weight Portable iMilk401	4,5 Kg
Peso / Weight Portable iMilk401 complete	9,5 Kg
Assorbimento / Consumption iMilk401 complete	0,65 A
Alimentazione / Input voltage	24 VDC
Precisione misurazione / Milk indicator accuracy	+/- 10%





Pos.	Ref.	Note
P001	1069001	LE30
P003	5200104	
P004	5209043	DVC1000
P006	5640031	iMilk401
P007	5529018	SOValve evo
001	5610025	Chassis
002	5610024	
004	5610028	
005	5640035	
006	5610030	
007	5610004	
008	5610043	
009	5610017	
010	5610060	
012	5610016	
013	5610011	
015	5610006	
016	5610056	
017	5610026	
018	5610022	
019	5610014	
020	5610010	
021	5640037	
022	5640019	
023	1030426	
030	5510035	
037	5610015	
040	5610048	
042	5610051	
043	1900050	
046	5610049	
048	5640008	iMilk401 sensor
067	1060095	
314	2800122	
335	2800123	
357	5510036	
358	5200037	

Portable iMilk401	Ref.	Note
	5649005 5649007	Portable iMilk401 Complete Portable iMilk401 "Lite"
	5640022	iMilk401 PCB only
	1429012	Glide Unit 2 pins
	1429013	Glide Unit 4 pins - DHM
	1429002	Electric Station 2 pins - Milk line D. 40
	1429029	Electric Station 2 pins - Milk line D. 50,8
	1429005	Electric Station 2 pins - Milk line D. 52
	1429008	Electric Station 2 pins - Milk line D. 63
	1429003*	Data Station 4 pins - Milk line D. 40
	1429030*	Data Station 4 pins - Milk line D. 50,8 - 2"
	1429006*	Data Station 4 pins - Milk line D. 52
	1429009*	Data Station 4 pins - Milk line D. 63
		* Milk-room Station for DHM Data Download
	1049131	IUP 13 A, 320 W - up to 20 Portable iMilk401

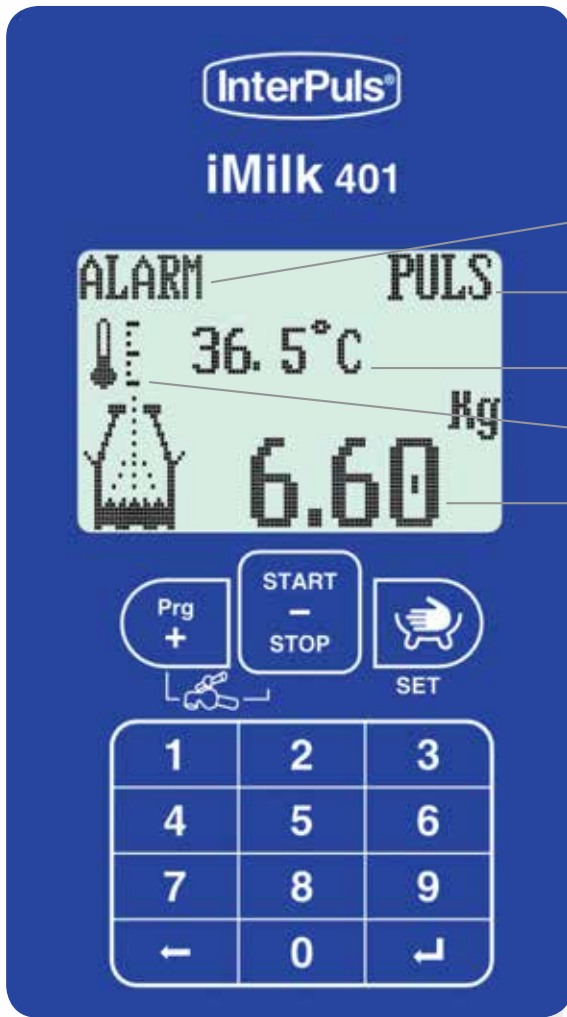
Portable iMilk401

Set up



iMilk401 Panel

Real time milking information



Conductivity

Milking Status

Temperature

High temperature alarm

Milk yield indication

Milking report

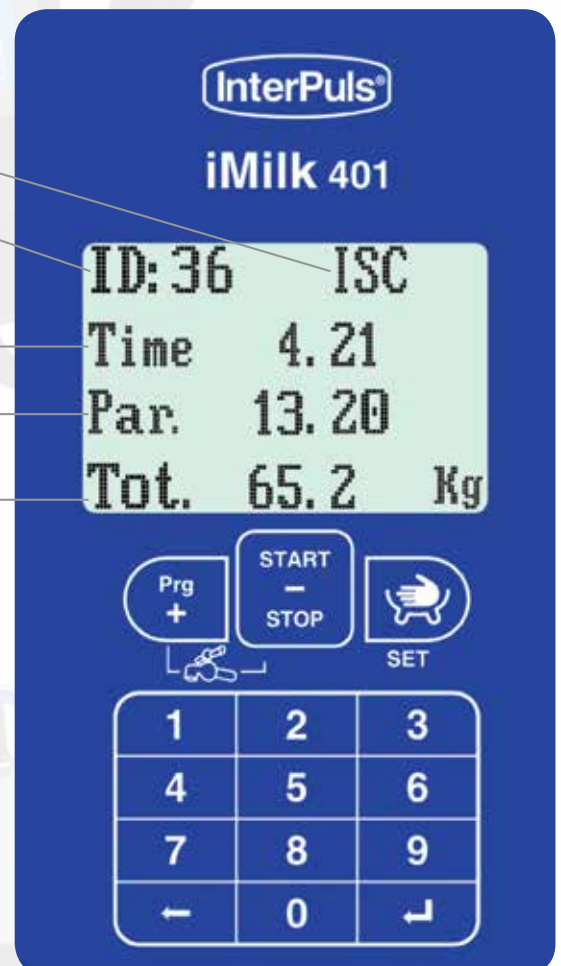
Conductivity alarm

Animal number (Manual ID)

Last milking time

Last milk production

Total milk production recorded per panel (up to 45 milking records each iMilk401)



DHM Dairy Management

Portable iMilk401

The software **Dairy Herd Management** permette l'acquisizione e l'analisi dei dati di produzione della mandria raccolti dall'**iMilk401**. Durante il lavaggio i dati della mungitura sono scaricati sul PC, a disposizione dell'Allevatore, grazie ad un'interfaccia user-friendly.

The software **Dairy Herd Management** permits to download and understand the dairy herd production data collected by **iMilk401** panels. During washing phase the milking information are downloaded into the PC.

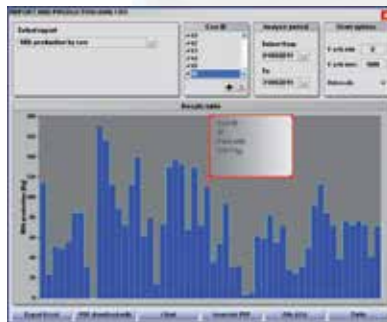
Le software **Dairy Herd Management** permet l'acquisition et l'analyse des données de production du troupeau que **iMilk401** va recueillir. Pendant le lavage les données de la traite sont déloger dans l'ordinateur, à disposition de l'éleveur, grâce à une interface facile à utiliser.

Программное обеспечение для управления стадом (**Dairy Herd Management**) позволяет осуществлять при помощи **iMilk401** сбор и анализ данных о продуктивности стада. Во время процесса мойки данные загружаются в ПК и благодаря удобному интерфейсу к ним всегда гарантирован быстрый доступ пользователей.



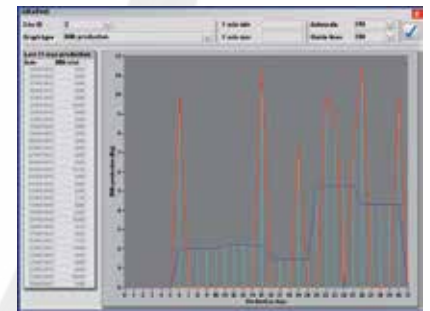
Data import interface

Displays data on user-friendly chart



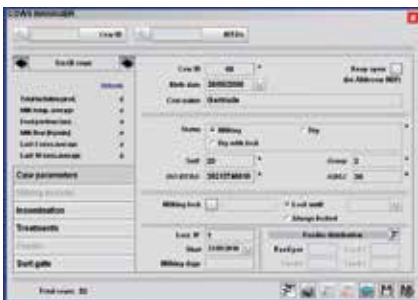
Herd performance

Permits to summarize the herd's performance through an intuitive graph



Cow milk Yield

The cow performance at a glance! The milk graph permits to plan an appropriate strategy.



Cows Manager

Cow data: ID number, name, birth date, ISO tag
Cow agenda: lactation, insemination, treatment...
Cow status: dry, milking...



DHM Dairy Management

Ref.

Note



5640010

DHM 401 Pro



5640020

CAN BUS Cable
100 m roll

iMilk401

Sheep & Goats Milk Yield Indicator
October 2015



Ideal for



Protection class IP67

iMilk401 Sheep & Goats è il nuovo, razionale quadro di comando pensato per l'allevatore che vuole unire, all'indicazione di produzione per singolo animale, lo stacco automatico del gruppo mungitore; per una mungitura rapida, fisiologicamente ottimale e senza rischi di sovramongitura. Il display permette di visualizzare, in tempo reale, i dati sulla produzione di latte segnalando eventuali anomalie.

iMilk401 assicura un controllo avanzato di Pulsazione, stimolazione e lavaggio per singola posta. Il sistema è versatile; ideale per capre e pecore.

iMilk401 Sheep & Goats is the new, compact control panel designed for the farmer that wants milk yield indication and reliable automatic cluster remover. It ensures a fast and gentle milking avoiding over-milking risk. The display shows, in real time, production data and early alarm notification.

iMilk401 assures an advanced control of Pulsation, stimulation and washing per milking point; furthermore permits an advanced control of Pulsation, Stimulation and cleaning per milking point. The system is very versatile and ideal for sheep and goats.

iMilk401 Sheep & Goats c'est le nouveau, compact, panneau conçu pour l'éleveur qui veut avoir une indication de la production de lait par animal ainsi qu'un décrochage automatique de l'unité de traite. C'est la solution idéal pour une traite rapide et physiologiquement optimale, sans risques de surtraite. Le display permet de visualiser, en temps réel, les données sur la production de lait, tout en alertant en cas d'anomalies.

iMilk401 assure un contrôle avancé de la Pulsation, de la stimulation et du lavage pour chaque poste de traite. Le système est versatile; idéal pour ovines et caprines.

iMilk401 Sheep & Goats новая рациональная панель управления создана для фермера, который хочет объединить показатели продуктивности одного животного с автоматическим съёмом доильной группы; для быстрого, физиологически оптимального и щадящего доения без риска передавления животных. Дисплей позволяет в режиме реального времени отслеживать данные о надоях, указывая на возможные anomalies.

iMilk401 гарантирует передовой контроль пульсации, стимуляции и промывки каждого стойла. Эта система является универсальной и так же идеально подходит для овец и коз.

Vantaggi

- ✓ Avanzata indicazione di produzione
- ✓ Controllo avanzato di Pulsazione, stimolazione e stacco
- ✓ Gestione centralizzata del lavaggio
- ✓ Ideale per piccoli ruminanti
- ✓ Gestione ottimale dello stacco
- ✓ Allarme conducibilità
- ✓ Plug-in identificazione automatica
- ✓ Possibile up-grade con dairy management

Benefits

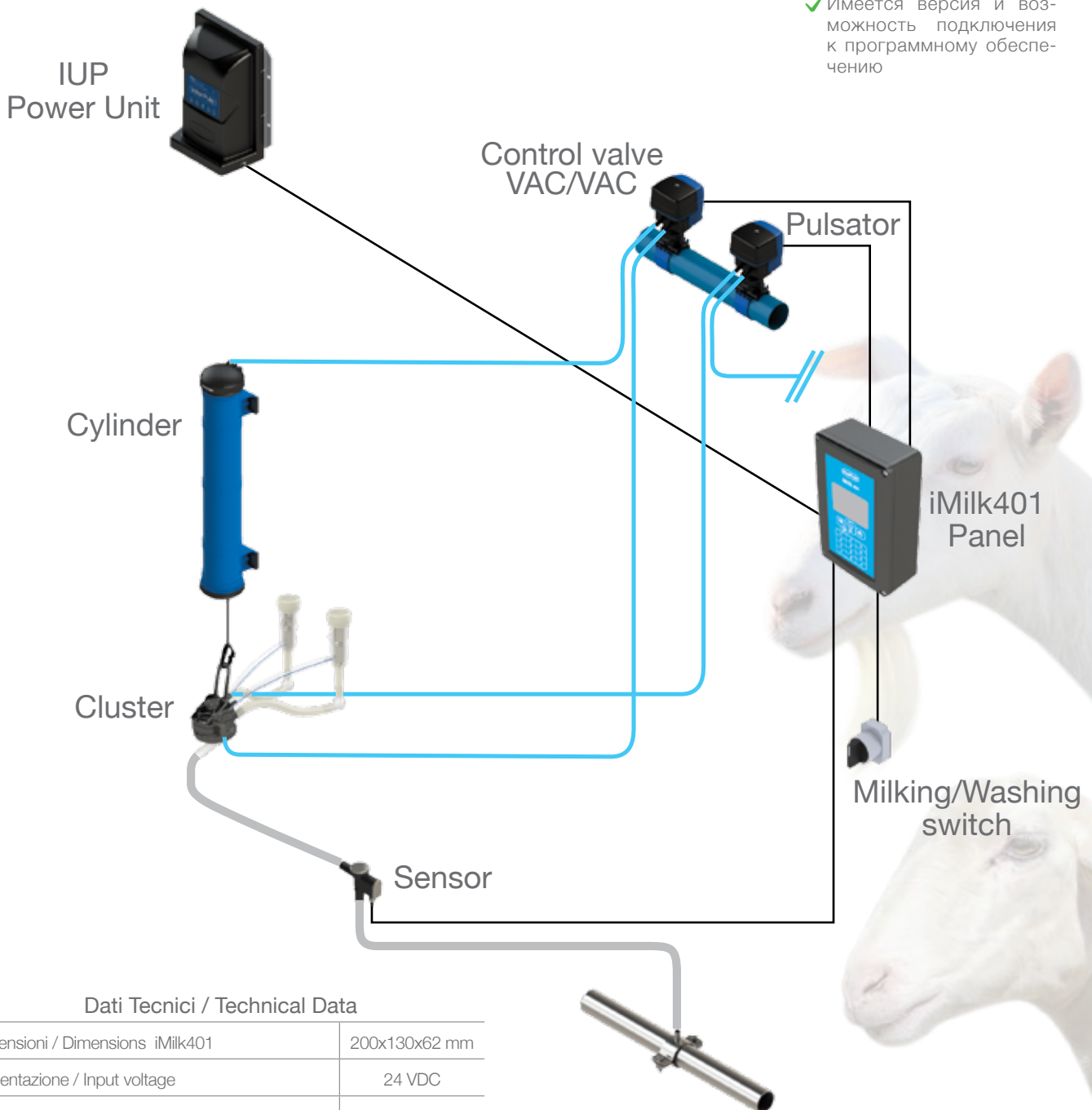
- ✓ Advanced milk yield indicator
- ✓ Advanced Pulsation, stimulation and ACR control
- ✓ Centralized washing control
- ✓ Ideal for sheep and goats
- ✓ Reliable automatic cluster remover
- ✓ Conductivity alarm
- ✓ Automatic ID plug-in
- ✓ Available with dairy management

Avantages

- ✓ Indication avancé de la production
- ✓ Contrôle avancé de la Pulsation, stimulation et décrochage
- ✓ Gestion centralisée du lavage
- ✓ Idéal pour ovines et caprines
- ✓ Gestion optimale du décrochage automatique
- ✓ Alarme conductivité
- ✓ Module d'identification automatique
- ✓ Disponible avec le software de gestion laitiers

Преимущества

- ✓ Передовые показатели о надоях
- ✓ Расширенный контроль пульсации, стимулирования и ACR
- ✓ Централизованное управление промывкой
- ✓ Идеально для мелкого рогатого скота
- ✓ Оптимальное управление съёмом подвесной части
- ✓ Оповещение о повышенной проводимости молока
- ✓ Модуль для автоматической идентификации
- ✓ Имеется версия и возможность подключения к программному обеспечению

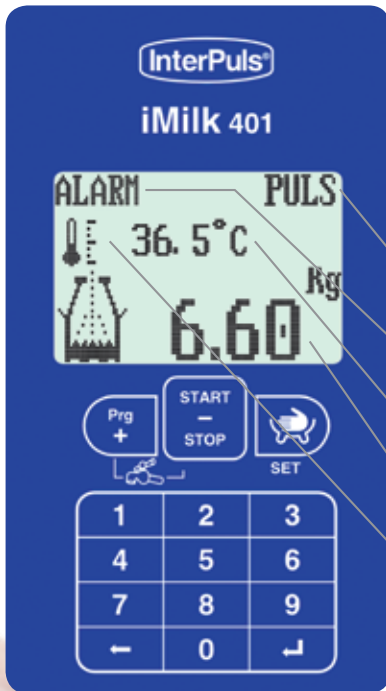


Dati Tecnici / Technical Data

Dimensioni / Dimensions iMilk401	200x130x62 mm
Alimentazione / Input voltage	24 VDC
Assorbimento / Consumption iMilk401 complete	0,1 A
Precisione misurazione / Milk indicator accuracy	+/- 10%

iMilk401

Sheep & Goats Milk Yield Indicator



Real time milking information

Milking Status

Conductivity

Temperature

Milk yield indication

High temperature alarm

Milking report

Conductivity alarm

Animal number (Manual ID)

Last milking time

Last milk production

Total milk production recorded per panel (up to 45 milking records each iMilk401)



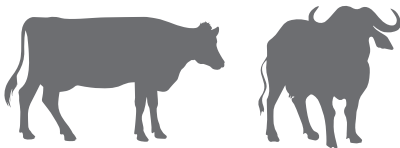
	Ref.	Note
	5699001	iMilk401 S&G Panel + Sensor
	5690004	iMilk401 S&G PCB only
	5690005	Sensor iMilk401 S&G only

	Ref.	Note
	1039092	CV20 Vac/Vac
	2809078	Pulsator & CV QM Adapter
	5529017 5529018	Shut-Off 90° 1 Shut-Off EVO 90° 2
	5510062 5510135	HFS / Shut-Off Bracket 1 PVC tube 5x1,5 - 200 mt roll 2
	5209031 5209032 5209035	DVC1000 2,7 mt rope DVC1000 2,7 mt rope + Safety Clip DVC1000 5 mt rope
	5229014 5229016 5229017 5229025	DVC1000 AS 2,7 mt rope - 1,5 mt cable DVC1000 AS 2,7 mt rope - 1,5 mt cable + Safety Clip DVC1000 AS 2,7 mt rope - 10 mt cable DVC1000 AS 5,0 mt rope - 1,5 mt cable
	5219001 5219003	DVC800 2,7 mt rope DVC800 2,7 mt rope + Safety Clip
	5249001 5249003	DVC800 AS 2,7 mt rope - 1,5 mt cable DVC800 AS 2,7 mt rope - 1,5 mt cable + Safety Clip
	5239001 1030227	Quick Vent Valve 1 Silencer 2
	1049131	IUP 13 A, 320 W up to 20 iMilk401 milking points

ACRsmart MMV

Milk Meter

October 2015

Ideal for 



Protection class IP67

La versione **MMV** di **ACRsmart** rappresenta una soluzione di stacco e misurazione "stand-alone" affidabile e competitiva. Ideale per l'Allevatore che vuole un controllo sulla produzione della singola bovina, senza complicazioni di layout dell'impianto di mungitura.

ACRsmart MMV è la soluzione ideale anche per upgrade di sale esistenti. Il sistema è modulare e può essere aggiornato, in qualunque momento, con il misuratore iMilk600.

The **MMV** version of **ACRsmart** represents a reliable and competitive solution for automatic cluster remover and milk metering "stand-alone". Perfect for the Farmer that needs a milk yield control per cow without complication for the layout of the milking parlour.

ACRsmart MMV is the ideal solution even for existing farms. The system is modular and can be easily updated with iMilk600 milk meter.

La version **MMV** de **ACRsmart** représente une solution fiable et compétitive pour le décrochage et le mesurage "stand-alone". **ACRsmart MMV** est idéal pour l'éleveur qui veut avoir un control de la production de lait par bovine, sans aucune complication dans la configuration de l'installation de traite.

ACRsmart MMV est la solution idéal pour les sales existantes aussi. Le système est modulaire et peut être mis à jour, à tout moment, avec le mesureur iMilk600.

Новая версия **MMV** относящаяся к серии **ACRsmart** представляет собой надёжное и конкурентноспособное решение для автоматического съёма доильной группы и молокоизмерения "stand-alone". Идеально для фермера, которому необходимо контролировать надой одной коровы, не прибегая к сложным схемам доильного зала.

Идеально подходит и для модернизации уже существующих доильных комплексов. Эта система модульная, которая может быть дополнена в любой момент молокомером iMilk600.

Vantaggi

- ✓ Misurazione affidabile (< 2% errore)
- ✓ Stacco delicato – no sovrarungitura
- ✓ Controllo temperatura lavaggio
- ✓ Facile da installare, usare e programmare

Benefits

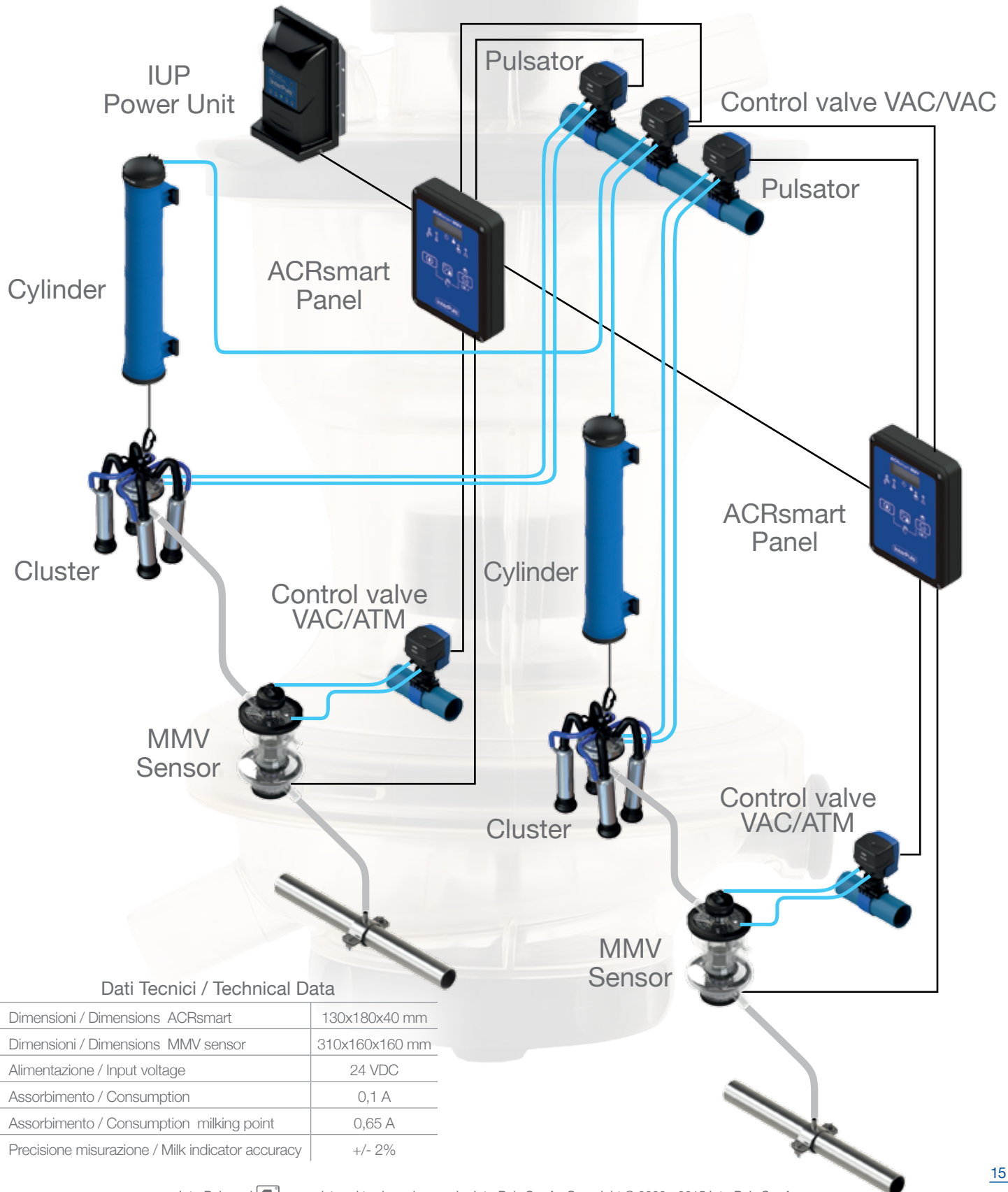
- ✓ Reliable milk meter (< 2% error)
- ✓ Gentle cluster remover – no overmilking
- ✓ Washing temperature monitoring
- ✓ Easy to install, to use and to program

Avantages

- ✓ Mesurage fiable (< 2% d'erreur)
- ✓ Décrochage délicat - aucun risque de surtraite
- ✓ Contrôle température de lavage
- ✓ Facile à installer, utiliser et programmer

Преимущества

- ✓ Надёжное измерение (погрешность < 2%)
- ✓ Щадящий съём доильной группы, без передоя
- ✓ Мониторинг температуры промывки
- ✓ Простая установка, лёгкое использование и программирование.



Dati Tecnici / Technical Data

Dimensioni / Dimensions ACRsmart	130x180x40 mm
Dimensioni / Dimensions MMV sensor	310x160x160 mm
Alimentazione / Input voltage	24 VDC
Assorbimento / Consumption	0,1 A
Assorbimento / Consumption milking point	0,65 A
Precisione misurazione / Milk indicator accuracy	+/- 2%

ACRsmart MMV

Milk Meter



Display
Milk yield / milking time / washing temperature

Manual & Automatic milking / Stimulation

Milk yield / milking time

Stop

	Ref.	Note
	5769007	ACRsmart MMV
	5769001	ACRsmart MMV Panel
	5629001	Volumetric milk meter

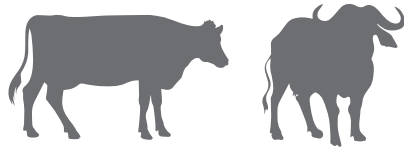
	Ref.	Note
	1039216	CV20 Vac/Vac 2x2 Cables (Vacuum cylinders)
	1069288	LE30 Vac/Vac 2x2 Cables (Vacuum cylinders)
	1069020	CV30 Vac/Atm 1x3 Cable (Sensor MMV)
	5500076 5620063	ACRsmart Panel Bracket 1 MMV Bracket 2
	5620019	Sensor cable - 100 mt roll
	2809078	Pulsator & CV QM Adapter
	5209031 5209032 5209035	DVC1000 2,7 mt rope DVC1000 2,7 mt rope + Safety Clip DVC1000 5 mt rope
	5229014 5229016 5229017 5229025	DVC1000 AS 2,7 mt rope - 1,5 mt cable DVC1000 AS 2,7 mt rope - 1,5 mt cable + Safety Clip DVC1000 AS 2,7 mt rope - 10 mt cable DVC1000 AS 5,0 mt rope - 1,5 mt cable
	5219001 5219003	DVC800 2,7 mt rope DVC800 2,7 mt rope + Safety Clip
	5249001 5249003	DVC800 AS 2,7 mt rope - 1,5 mt cable DVC800 AS 2,7 mt rope - 1,5 mt cable + Safety Clip
	5239001 1030227	Quick Vent Valve 1 Silencer 2
	5629003	Milk Sampler
	1049131	IUP 13 A, 320 W up to 20 ACRsmart MMV milking points

iMilk600

Milk Meter

October 2015

Ideal for



Protection class IP67

iMilk600 è quanto di più evoluto presente sul mercato. Elettronica avanzata e sensoristica affidabile, fanno di questo innovativo misuratore elettronico un prodotto unico; perfetto per l'Allevatore che vuole massimizzare il profitto della mandria da latte.

Il sensore volumetrico, con shut-off incorporata, è il più compatto sul mercato. Grazie alla doppia-camera, il latte è misurato in modo preciso ed il design interno assicura un livello di vuoto stabile, senza schiuma. Facile da pulire, grazie alle superfici interne, il sensore **iMilk600** può essere ispezionato e smontato senza l'ausilio di particolari attrezzi.

iMilk600 is the state-of-the-art in electronic milk metering. Advanced electronics and reliable sensors make this new milk meter a unique product; perfect for the Farmer that aims to maximize the dairy herd profit.

The "fill-and-dump" Sensor, with on-board shut off, is the most compact on the market. Thanks to the double chamber, the milk is precisely measured and the internal design grants stable vacuum and foam free environment. Easy to clean, thanks to the smooth internal design, the **iMilk600** sensor can be easily serviced by hands. No tools required.

iMilk600 est combien de plus évolué il y a sur le marché. Electronique avancée et un système de capteurs fiable, font de cet innovatif compteur électronique, un produit unique, idéal pour l'Éleveur qui veut maximiser les profits du troupeau laitier.

Le capteur volumétrique, avec clapet de fermeture incorporée, est le plus compact du marché. Grâce à la double chambre le lait est mesuré avec précision et le design à l'intérieur assure un niveau de vide stable, sans mousse. Facile à nettoyer, grâce aux surfaces internes, le capteur **iMilk600** peut être inspecté et démonté sans l'aide des outils spécifiques.

iMilk600 самый усовершенствованный на современном рынке. Передовая электроника и надёжные датчики делают этот продукт уникальным; идеально подходит для фермера, стремящегося получить максимальную прибыль от молочного стада.

Молокомер с интегрированным клапаном является наиболее компактным на рынке. Наличие двойного отделения позволяет точно измерять молоко, а внутренней дизайн гарантирует стабильный уровень вакуума без образования пены. Благодаря гладкой внутренней поверхности он легко чистится, молокомер **iMilk600** может быть проверен и разобран без помощи специального инструмента.

Vantaggi

- ✓ Misurazione affidabile (meno 2% errore)
- ✓ Stacco delicato – no sovrarungitura
- ✓ Allarme conducibilità
- ✓ Funzione dati Networking
- ✓ Opzione multi-display
- ✓ Facile da installare e da programmare

Benefits

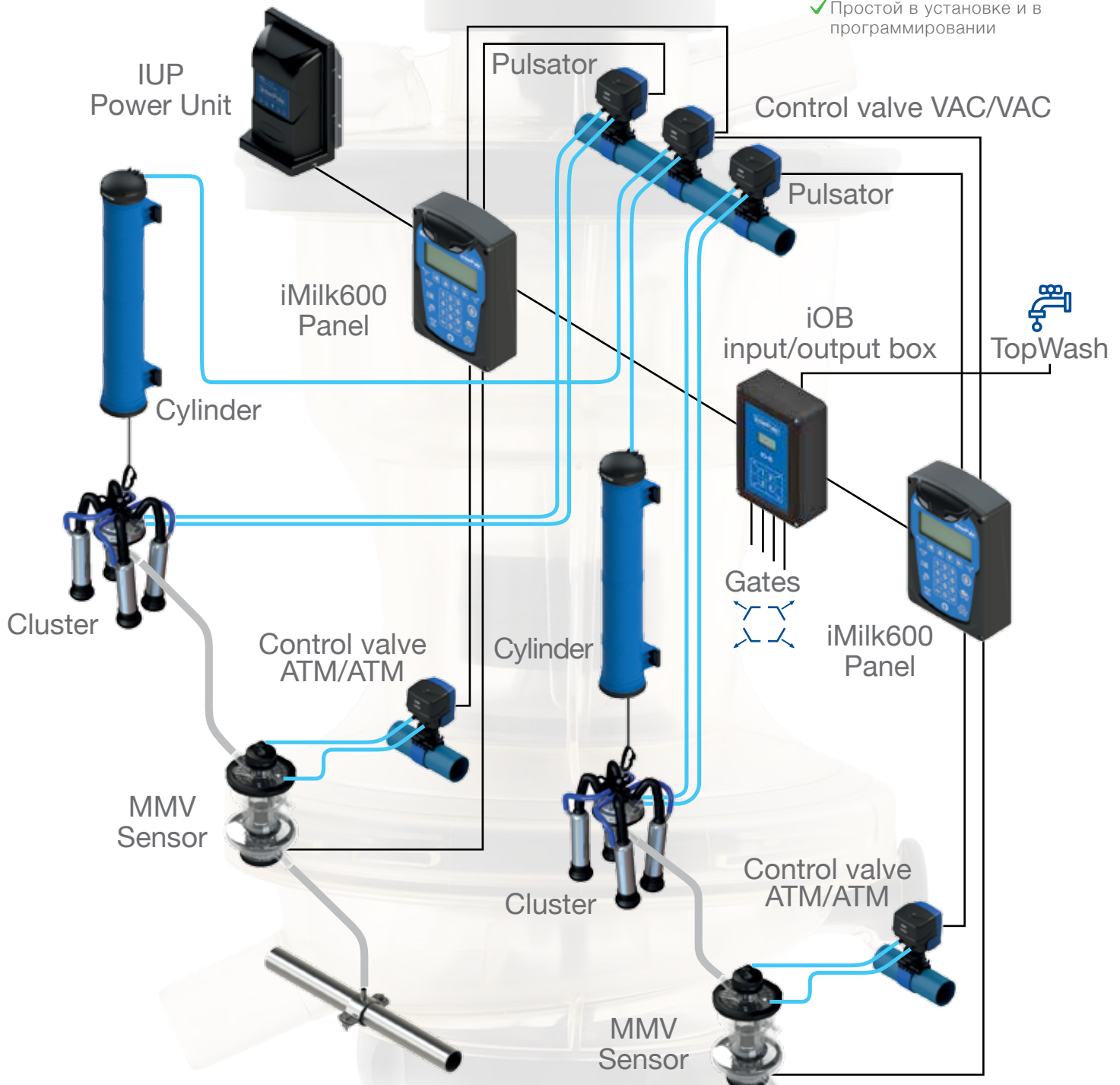
- ✓ Reliable milk metering (less 2% error)
- ✓ Gentle take off – no over-milking
- ✓ Conductivity alert
- ✓ Data networking feature
- ✓ Multi-display option
- ✓ Easy to install and to program

Avantages

- ✓ Mesurage fiable (erreur inférieure à 2%)
- ✓ Détachement delicate – aucune surtraite
- ✓ Alerte conductivité
- ✓ Fonction data networking
- ✓ Option multi display
- ✓ Facile à installer et à programmer

Преимущества

- ✓ Надёжное измерение (погрешность менее 2%)
- ✓ Щадящий съём – без передоя
- ✓ Сигнал электропроводимости
- ✓ Данные в сети Networking
- ✓ Опция мультidisплей
- ✓ Простой в установке и в программировании



Dati Tecnici / Technical Data

Dimensioni / Dimensions iMilk600 panel	225x150x70 mm
Dimensioni / Dimensions MMV sensor	310x160x160 mm
Alimentazione / Input voltage	24 VDC
Assorbimento / Consumption	0,35 A (Panel only), 0,7-1,2 A (Milking Point)
Precisione misurazione / Milk indicator accuracy	+/- 2%

iMilk600

Milk Meter

MULTI-LANGUAGE MENU



12

IT/FR/DE/
GB/ES/PT/
RU/CN/KOR/
JP/TR/AR

LANGUAGES

EMBEDDED DAIRY MANAGEMENT



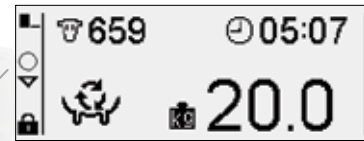
1

LACTATION DATA STORAGE

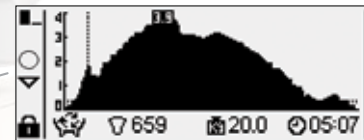
Milking Status Alarm Led

Buzzer

Display Options



Basic



Graphic

	數	量	時
↓	38.3	3.4	5.6
↑	38.3	6.9	6.3
	▽ 659	■ 20.0	⌚ 05:07

Full-data



Milking info

Stim/Preparation

Cleaning/
Washing report

Aut/Man
in-parlour feeding

Shift

Gate Control (4 gates)

Stop

Manual take-off

Automatic take-off

Volumetric Meter

HIGH ACCURACY
2%
LESS THAN
ERROR

Vantaggi

- ✓ Affidabile tecnologia volumetrica
- ✓ Polimero alimentare ad alta resistenza
- ✓ Shut-off integrata
- ✓ Manutenzione facile, senza attrezzi

Benefits

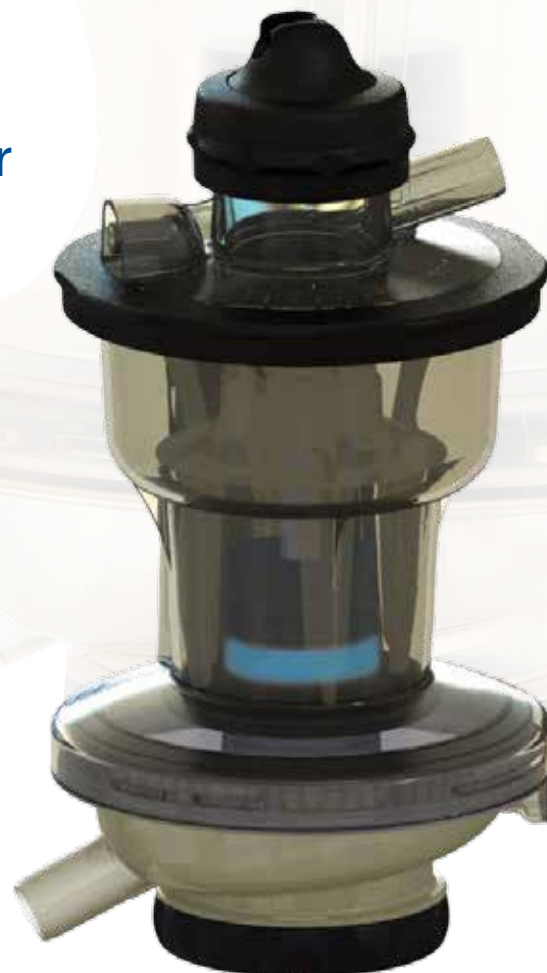
- ✓ Reliable fill and dump technology
- ✓ Resistant food-grade polymer
- ✓ On-board shut-off.
- ✓ Easy to service, tools-free

Avantages

- ✓ Technologie volumétrique fiable
- ✓ Polymère alimentaire à haute résistance
- ✓ Clapet de fermeture Shut-off incorporée
- ✓ Entretien facile, sans outils

Преимущества

- ✓ Надёжная технология fill and dump
- ✓ Прочный пищевой полимер
- ✓ Интегрированный клапан
- ✓ Лёгкое обслуживание, без инструмента



	Ref.	Note
	5659005	iMilk600 Panel + sensor
	5659003	iMilk600 Panel 1
	5629001	Volumetric milk meter 2
	5500076	ACRsmart Bracket 1
	5620063	MMV Bracket 2
	5620019	Sensor cable - 100 mt roll 1
	5550173	4 wire shielded cable 2 x 2 x 0,8 mm ² Power and Data transmission - 100 mt roll 2
	5659006	iOB input/output box (washing - gates control)
	5629003	Milk Sampler
	1039216 1069288	CV20 Vac/Vac 2x2 Cables (Vacuum cylinders) LE30 Vac/Vac 2x2 Cables (Vacuum cylinders)
	1069294	CV30 Atm/Atm 1x3 Cable (Sensor MMV)
	2809078	Pulsator & CV QM Adapter
	5209031	DVC1000 2,7 mt rope
	5209032	DVC1000 2,7 mt rope + Safety Clip
	5209035	DVC1000 5 mt rope
	5229014	DVC1000 AS 2,7 mt rope - 1,5 mt cable
	5229016	DVC1000 AS 2,7 mt rope - 1,5 mt cable + Safety Clip
	5229017	DVC1000 AS 2,7 mt rope - 10 mt cable
	5229025	DVC1000 AS 5,0 mt rope - 1,5 mt cable
	5219001	DVC800 2,7 mt rope
	5219003	DVC800 2,7 mt rope + Safety Clip
	5249001	DVC800 AS 2,7 mt rope - 1,5 mt cable
	5249003	DVC800 AS 2,7 mt rope - 1,5 mt cable + Safety Clip
	5239001	Quick Vent Valve 1
	1030227	Silencer 2
 IUP	1049131	IUP 13 A, 320 W up to 16 iMilk600 milking points Stand alone IUP 13 A, 320 W up to 10 iMilk600 milking points + in-parlour feeding + lock gate

iMilk700

ICAR approved milk meter



iMilk700 è il Milk Meter proposto da InterPuls per chi necessita di una misurazione certificata dall'International Committee of Animal Recording (ICAR).

iMilk700 is the Milk Meter supplied by InterPuls to dairies requiring measurements certified by the International Committee of Animal Recording (ICAR).

iMilk700 est le Milk Meter proposé par InterPuls pour ceux qui ont besoin d'un mesurage certifié par l'International Committee of Animal Recording (ICAR).

iMilk 700 Счетчик молока предлагаемый ИнтерПулсом для всех, кто нуждается в сертифицированном измерении кол-ва надоенного молока. iMilk700 имеет сертификат Международного комитета регистрации животных (ICAR)

Dati Tecnici / Technical Data

Dimensioni / Dimensions iMilk700 panel	240x90x180 mm
Dimensioni / Dimensions Sensor	350x150x150 mm
Alimentazione / Input voltage	24 VDC
Assorbimento / Consumption	0,75 A
Precisione misurazione / Milk indicator accuracy	+/- 2% (ICAR)

Vantaggi

iMilk700 è un sistema modulare. Il semplice prodotto di base già prevede funzioni avanzate della rimozione del gruppo di mungitura, oltre alla misurazione certificata ICAR, ma è possibile integrare una serie di moduli aggiuntivi, quali ad esempio:

- ✓ Dispositivo AUTOSTART per la partenza automatica della mungitura con il semplice sollevamento del collettore
- ✓ Identificazione automatica degli animali tramite pedometro (al piede o al collo), oppure tramite collare elettronico o tramite marca auricolare elettronica (half-duplex o full-duplex ISO)
- ✓ Dairy Management "iMilk700", completo di strumenti di analisi delle performance della mandria, dei gruppi, dei mungitori, etc..
- ✓ Separazione automatica degli animali che presentano delle attenzioni specifiche
- ✓ Identificazione precoce dei calori
- ✓ Controllo automatico dell'alimentazione in base al periodo di lattazione e all'effettiva produzione di latte del singolo animale
- ✓ Sistema di monitoraggio del peso
- ✓ Controllo avanzato della conduttività del latte per l'identificazione precoce di possibili malesseri
- ✓ Dispositivo per il prelievo di un campione di latte "rappresentativo" dell'intera mungitura

Benefits

iMilk700 is a modular system. The simple base unit is equipped with advanced cluster removal functions, as well as ICAR-certified measurements, but it is also possible to integrate a number of additional modules, including:

- ✓ AUTOSTART device for the automatic start of milking simply by lifting the collector
- ✓ Automatic animal identification through a pedometer (attached to the foot or round the neck), or an electronic collar or electronic ear tag (half-duplex or full-duplex ISO)
- ✓ "iMilk700" Dairy Management system, complete with instruments to analyse the performance of the herd, group, milking unit, etc..
- ✓ Automatic separation system for animals which require specific attention
- ✓ Early heat detection system
- ✓ Automatic feed control according to the lactation period and the effective milk production of each cow
- ✓ Weight monitoring system
- ✓ Hi-tech control of milk conductivity for the early identification of possible illness
- ✓ Device for the sampling of milk that is "representative" of the entire milking process

Avantages

iMilk700 est un système modulaire. Le simple produit de base prévoit déjà des fonctions avancées de l'enlèvement du groupe de traite, outre le mesurage certifié ICAR, et il est également possible d'intégrer une série de modules supplémentaires tels que par exemple:

- ✓ Dispositif AUTOSTART pour le commencement automatique de la traite à partir d'une simple élévation du collecteur
- ✓ Identification automatique des animaux par pédometre (à la patte ou au cou) ou par collier électronique ou par marque auriculaire électronique (half-duplex ou full-duplex ISO)
- ✓ Dairy Management "iMilk700" doté d'instruments d'analyse des performances du troupeau, des groupes, des trayeurs, etc..
- ✓ Séparation automatique des animaux qui requièrent des attentions spécifiques
- ✓ Identification précoce des chaleurs
- ✓ Contrôle automatique de l'alimentation suivant la période de lactation et la production effective de lait de chaque animal
- ✓ Système de contrôle du poids
- ✓ Contrôle avancé de la conductivité du lait pour l'identification précoce d'éventuels maux
- ✓ Dispositif pour le prélèvement d'un échantillon de lait "représentatif" de l'ensemble de la traite

Преимущества


iMilk 700 является модульной системой. Простой в использовании уже в своей базовой комплектации предусматривает наиболее передовые технологии в доении, кроме сертификационного подсчета ICAR интегрируется с серией дополнительных модулей, таких как:



- ✓ Устройство Авто-Старт для автоматического старта доения при помощи простого поднятия коллектора
- ✓ Автоматическая идентификация животного при помощи педометра на ноге или на шее животного, или при помощи электронного ошейника или электронного чипа в ухе животного (half-duplex или full-duplex ISO)
- ✓ Система управления доением iMilk700 имеет инструменты для проведения анализа деятельности стада, доильных групп, доения, и т.д.
- ✓ Автоматически отделяет животных, нуждающихся в особом уходе
- ✓ Система идентификации животных в охоте
- ✓ Контроль системы питания животного в зависимости от молокоотдачи и кол-ва надоенного молока от каждого животного
- ✓ Система мониторинга веса животного
- ✓ Контроль проводимости молока, на предмет наличия заболеваний вымени
- ✓ Возможность взять пробу молока «показательной» для всего доения.



iMilk700

Panel + Sensor + Milking Accessories





	Ref.	Note
	5550001	iMilk700 STD - Panel only
	5550133	Complete PCB (basic + display)
	5550212	Basic PCB
	5550134	Display PCB
	5550252	S/S Shield for iMilk700 Panel STD If required, 1 x panel – Bracket not included
	5550004	Sensor + Shut-off + Conductivity - 10 mt cable
	9001713	Sensor Vacuum nipple (1 x sensor)
	9001119	Milk inlet (2 x sensor)
	5550090	Sensor sticker
	5550005	iMilk700 Sampler Milk Sampler ICAR approved 1 x Panel, if required
	5550172	Wash Valve
	1069020	CV 30 Vac/Atm
	2809078	CV 30 QM Adapter
	5219003	DVC800 2,7 m rope + Safety Clip
	5249003	DVC800 AS 2,7 m rope - 1,5 m cable + Safety Clip
	5209032	DVC1000 2,7 m rope + Safety Clip
	5229016	DVC1000 AS 2,7 m rope - 1,5 m cable + Safety Clip
	5200104	One way valve (Soft take off device)
	5239001	Quick Vent valve
Sensor spare parts	Ref.	Note
	5550114	iMilk700 Shut Off Valve complete with diaphragm
	5550096	iMilk700 diaphragm for the Shut Off Valve
	5550178	iMilk700 upper chamber with nipple for Shut Off Valve
	5550116	maintenance kit for iMilk700 electrovalve
	5550176	coil for iMilk700 electrovalve
	5550174	white cone for iMilk700 sensor
	5550292	white ring support for cone iMilk700 sensor
	5550115	red floater for iMilk700 sensor

Sensor spare parts	Ref.	Note
	5550140	measuring chamber with conductivity probe
	5550095	service kit for iMilk700 sensor measuring stem
	5550180	support ring iMilk700 sensor
	5550175	underframe measuring stem for iMilk700 sensor





Software Packages

	Ref.	Note
	5550006	iMilk700 Panel Software Standalone ACR, Pulsation, Swing Over
	5550008	iMilk700 Panel Software Network Plus ACR, Pulsation, Swing Over, Stimulation, Data Communication, Cow Calendar Information, Centralized Washing Control, Manual Entry of Animal Separation, Automatic Animal Separation based on actual milking data, Rotary Parlour Functions (Rotary stop, Low Milk Yield Signal), Centralized Gate Control, In parlour feeding, Conductivity Measurement

Cables

	Ref.	Note	
	5550173	4 wire shielded cable 2 x 2 x 0,8 mm2 Power and Data transmission	100 mt Roll
	9001723	Cable 2 x 0,5 mm2 For iMilk700 Sensor Valve	100 mt Roll
	5550012	Cable 10 x 0,34 mm2 In case it is necessary to extend the sensor cable	
	9001722	Heat Shrink Tubing To protect electrical joints	

Transformer & NicNest

	Ref.	Note
	1049131	IUP 100 - 260 VAC @ 50/60 Hz 320 W - 13 A up to 16 iMilk700 panels
	5550327	NicNest small
	5550040	Connection Bridge
	5550041	Interface Bridge (IB) only Data Transmission - 1 every 32 panels

iMilk700

Panel









Identification

UHF 433 MHz
ISO 134,2 KHz






	Ref.	Note	
	5550057	Set 10 X Leg Pedometers "3D" ISO ID Set 10 x Leg Pedometers "3D" UHF Set 10 x Leg Pedometers "3D" UHF + ISO ID	
	5550242		
	5550246		
	5550058	Set 10 x Leg-Strap	
	5550289	Set 10 x NeckTag UHF Set 10 x NeckTag UHF + ISO ID	
	5550290		
	5550055	Neck Power-ID	
	5550294	Set 10 x Neck Collars	
	5550059	Set 10 x Slidenumbers Nr. "0" Set 10 x Slidenumbers Nr. "1" Set 10 x Slidenumbers Nr. "2" Set 10 x Slidenumbers Nr. "3" Set 10 x Slidenumbers Nr. "4" Set 10 x Slidenumbers Nr. "5" Set 10 x Slidenumbers Nr. "6" Set 10 x Slidenumbers Nr. "7" Set 10 x Slidenumbers Nr. "8" Set 10 x Slidenumbers Nr. "9"	
	5550060		
	5550061		
	5550062		
	5550063		
	5550064		
	5550065		
	5550066		
	5550067		
	5550068		
	9002155	Ear Tag FDX 134,2 kHz M+F * The female part is reusable	 9002156 Ear tag male part
	9001520	Ear Tag Applicator	

Process Controllers

	Ref.	Note
	5550321	VP8001 Process Ctrl + software Velos 5000 cows
	5550327	NicNest small
Software		
	5550075	Extra 5000 cows
	5550163	Velos module TAURUS
Wiring		
	5550082	CAN-BUS Cable
	5550083	100 mt Eth. Cable Cat 5 + Conn. & Applicator
Milking		
	5550327	NicNest small
	5550150	VP3104 Milking parlour interface
	5550200	Milking 2 x 50 parlour ID

Antenna Set

Milking Parlour



	Ref.	Note
	5550342	VP1910 ISO Reader FDX/HDX with digital noise filter
	5550327	NicNest small
	5550073 5550208	VP1001 FDX VP1001 FDX + HDX
	5559005	Walkover antenna kit Leg Pedometer
	5559006	Walkthrough antenna kit NeckTag and power-ID
	5550205	Side antenna VP6150 Autotune x Ear tag ID
	9001726	Remote Switch 1 x antenna - in case of automatic gate ctrl
	9001252	Gate Switch 1 x antenna - in case of manual gate ctrl
	4600266	Cable Gland

Antenna Set

Rotary

	Ref.	Note
	5550344	Velos Rotary
	5550327	NicNest small
	5550266	VP1007 Twin reader FDX + HDX
	5559005	Walkover antenna kit Leg Pedometer
	5559006	Walkthrough antenna kit NeckTag and power-ID
	5550205	Side antenna VP6150 Autotune x Ear tag ID
	5550080	VP6011 V-Sense antenna 1 x system
	5550027	Bail Power ID 1 x Bail
	5550125	Cover x Bail Power ID 1 x Bail Power ID
	9001252	Gate Switch 1 x system
	4600266	Cable Gland

In-Parlour Feeding

	Ref.	Note
  	5680015	Pipe Feeder 24 VDC 1440 mm (Motor 1652 - Standalone)
	5680016	Control Panel
	5680017	Control Unit (up to 14 Pipe Feeder)
	5680018	Cable 5 x 0.34 mm - 100 mt Roll

In-Parlour Feeding Velos

	Ref.	Note
	5550327	NicNest small
	5550209	VP3001 Control Unit up to 4 Pipe Feeders
	5550206	In-Parlour Feeding 2x50
	5680013	Pipe Feeder 24 VDC 1926 mm (Motor 1650 - Velos)
	1049131	IUP 100 - 260 VAC @ 50/60 Hz 320 W - 13 A up to 18 Pipe Feeders

UHF Stand-Alone


Heat Detective & Eating Monitoring

	Ref.	Note
	5559030	Precision Farming
	5550327	NicNest small 1 x VP - 2 Lights
	5550364	VP4102 UHF Antenna
	5550239	UHF Antenna
	5550278	UHF Long Range Antenna
	5550359	Modem Router 3G
	5780024	Access Point N300 (2.4 GHz)
	5780025	LAN Cable 20 mt
	5780027	LAN Switch



Farm Webcam

Plug-in Modules

	Ref.	Note
	5780003	Webcam LENS 4 mm
	5780004	Webcam LENS 6 mm
	5780005	Webcam LENS 12 mm

Cow Positioning

Beacon Antenna

	Ref.	Note
	5550396	Beacon Antenna
	5550395	Software Cow Positioning
Feed Station		
	Ref.	Note
	5550199	Software 16 Feed Stations / 6 Feed types + Backgate
	5550327	NicNest small 1 x Feed Station
	5550073	VP1001 FDX 1 x Feed Station
	5550208	VP1001 FDX + HDX 1 x Feed Station
	5550080	Ear/Neck antenna Feed Station

	Ref.	Note
	5559020	Feed Station floor antenna kit
	5550123 5550124 5550339 5550338	Feed Motor Hot Galvanized cup Auger M8 100 gr Stainless Steel Auger M8 50 gr Stainless Steel Auger cup Stainless Steel
	5550119	Velos Feed Hopper
	5550193	Cover x Velos Feed Hopper
	5550120	75 mm plugs x Auger Hole
	5550077	Partition Plate Velos 1 Feed Sort
	5550078	Partition Plate Velos 2 Feed Sorts
	5750001 5750003	Frontal Hopper Support (Hot Galvanized) Frontal Hopper Support (Stainless Steel)
	5750004 5750005	Feed Station Complete (Hot Galvanized) Feed Station Complete (Stainless Steel)
	5750002 5680011 5750006	Sidewalls (Hot Galvanized) Backgate vertical Backgate Texas

Separation Unit

	Ref.	Note
	5550201	Velos Sorting / Routing 16 Units 2/3 Ways Software License up to 16 units
	5550337	NicNest small 1 x VP - 2 Lights (Separation)
	5550073 5550208	VP1001 FDX VP1001 FDX + HDX
	5559005	Walkover antenna kit Leg Pedometer
	5559006	Walkthrough antenna kit NeckTag + Power-ID
	5550205	Side Antenna VP6150 Autotune 1 x unit - Eartag ID
	5550106	Photosensor - 2 x unit
	5550265	Manual Separation Ctrl Unit - 1 x unit
	5550173 9002327	Cable for Separation Ctrl Unit 3 Wires Cable Set 100 mt
	9001937 9001940	Kit Separation Unit 2 Ways Kit Separation Unit 3 Ways

Velos Dairy Management



✓ INFORMAZIONI SULLA MUNGITURA (lattazione in corso)

- Produzione di latte della mandria
- Produzione per singola vacca, con grafico dettagliato
- Grafico della conducibilità con allarme precoce in caso di variazioni dalla media
- Separazione del latte in base al calendario eventi
- Separazione centralizzata del latte dalla posta o dal PC
- Controllo della mungitura per sale a spina, parallelo o giostre

✓ MILKING INFORMATION (current lactation)

- Milk production per herd
- Milk production per single cow and detailed graph
- Conductivity graph and early alarm in case of deviation from the average
- Milk separation based on calendar events
- Centralized milk separation through the panel or through the PC
- Milking parlour monitoring for herringbone/parallel and rotary

✓ INFORMATIONS SUR LA TRAITE (lactation en cours)

- Production du lait du troupeau
- Production pour chaque vache avec graphique détaillé
- Graphique de la conductivité avec alerte précoce en cas des écarts à la moyenne
- Séparation du lait selon le calendrier des événements
- Séparation centralisée du lait de panneau où de l'ordinateur
- Contrôle de la traite pour salles herringbones, parallèles où tournantes

✓ ИНФОРМАЦИЯ ДОЕНИЯ (текущая лактация)

- Надой молока по стаду
- Надой молока на одну корову и подробный график
- Проводимости графика и своевременная тревога в случае отклонения от среднего
- Показателя молока на основе календарных событий
- Централизованное разделение молока от панели или ПК
- Мониторинг доения для доильного зала елочка / параллель и карусель



✓ **AVANZATO RILEVAMENTO DEI CALORI**

- Controllo dell'attività 24 ore su 24
- Rilevamento dei calori preciso ed affidabile, minore lavoro
- Previsione del momento ottimale per l'inseminazione
- Precoce rilevamento dei cali di attività

✓ 5 vacche manifestano segni di estro

✓ **ADVANCED HEAT DETECTION**

- 24/7 activity control
- High accuracy in heat detection, less labour
- Optimum Insemination moment prediction
- Early detection in case of decreased activity

✓ 5 cows are in heat

✓ **DÉTECTION DES CHALEURS AVANCÉE**

- Contrôle de l'activité 24/7
- Détection des chaleurs précise et fiable, moins efforts
- Prévision du moment idéal pour l'insémination
- Détection précoce de la diminution de l'activité

✓ 5 vaches montrent signes de chaleurs

✓ **ПРОДВИНУТОЕ ОБНАРУЖЕНИЕ ОХОТЫ**

- Контроль активности 24 часа в сутки
- Высокая точность обнаружения охоты, меньше труда
- Предсказание оптимального момента осеменения
- Своевременное обнаружение в случае пониженной активности

✓ 5 коров в охоте



✓ La vacca 671 è in calore dalla scorsa notte ed è ancora nel periodo ottimale per essere inseminata

✓ Cow 671 started to be in heat yesterday night and she is still in the Optimum Insemination Time

✓ La vache no. 671 est en chaleurs dès la nuit dernière et elle est encore dans le moment idéal pour être inséminée

✓ Корова 671 в охоте со вчера ночью, и она все еще находится в оптимальном периоде осеменения

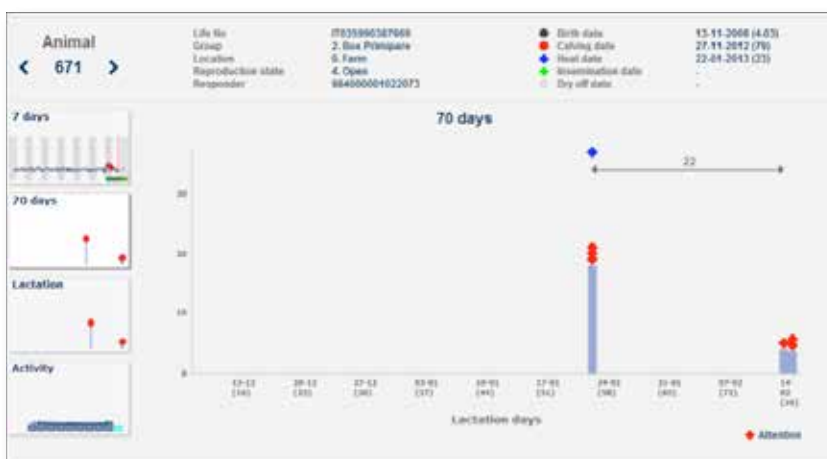


✓ La vacca 671 è al 79 giorno di lattazione ed il calore precedente è stato rilevato 22 giorni fa

✓ Cow 671 is at the 79th lactation day and the previous heat was detected 22 days ago

✓ La vache no. 671 est dans le 79^e jour de lactation et la chaleur antérieure a été relevée il y 22 jours

✓ Корова 671 находится на 79-м дне лактации и предыдущая активность была обнаружена 22 дня назад

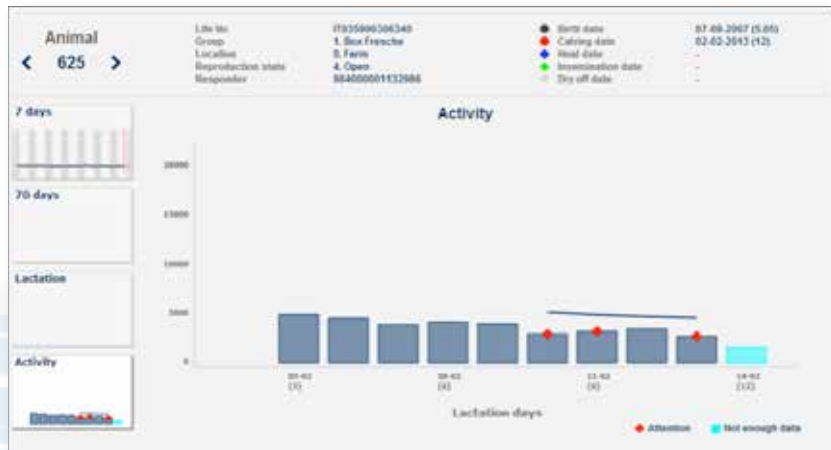


✓ L'attività media dell' animale 625 è calata negli ultimi giorni

✓ The average activity of Cow 625 has decreased in the latest days

✓ L'activité moyenne de l'animal 625 diminué dans les derniers jours

✓ Средняя активность коровы 625 снизилась в последние дни



✓ **NECKTAG CONTROLLO ASSUNZIONE RAZIONE**

- Controllo accurate dell'assunzione della razione
- Perfetto sia per animali al pascolo che in stabulazione
- Riduzione delle patologie legate ad una scarsa assunzione di razione

✓ **NECKTAG EATING MONITORING**

- Accurate eating behavior monitoring
- Ideal for pasture and free-stall
- Less diseases due to low feed intake

✓ **NECKTAG CONTROLE DE L'INGESTION DE LA RATION**

- Contrôle précis de l'ingestion de la ration
- Ideal même pour animaux au pâturage que en stabulation
- Réduction des pathologies liées à une pauvre ingestion de la ration

✓ **NECKTAG МОНИТОРИНГ ПОТРЕБЛЕНИЯ КОРМА**

- Тщательный мониторинг приёма пищевого рациона
- Идеально подходит для пастбищ и свободного стойла
- Уменьшение патологии болезней связанных с низким потреблением рациона

✓ **FEEDING**

- Diete studiate in base al periodo di lattazione o in base ad eventi a calendario
- Fino a 6 tipologie di mangime per stazione di alimentazione
- Modulo aggiuntivo in-parlour feeding

✓ **FEEDING**

- Feed strategies based on lactation time or on calendar events
- Up to 6 different feed-types per feed station
- In-parlour feeding module available

✓ **FEEDING**

- Régimes alimentaire conçu selon la période de lactation où selon des événements sur le calendrier
- Jusqu'à 6 types de fourrage chaque station d'alimentation
- Module complémentaire in-parlour feeding

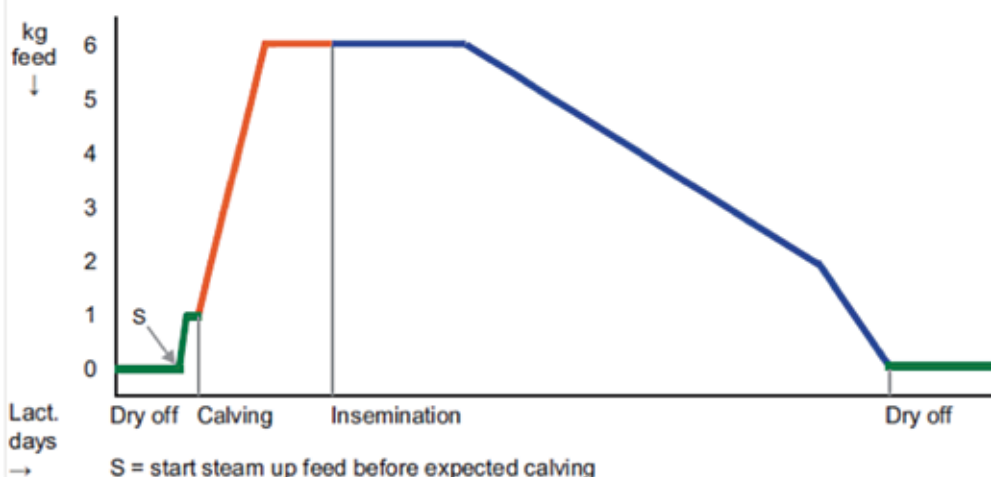
✓ **КОРМЛЕНИЕ**

- Стратегии базирующей на времени лактации или на календарных событиях
- До 6 различных типов корма подаваемого на одну станцию
- Доступен модуль кормления в доильном зале

Advised feed strategies:

Number	Name
1	Lactation feed table █
2	Insemination feed table █
3	Dry off feed table █
99	Unknown responders
100	Animals out of group housing area (no feed station in e.g calving area)

Example feed table with feed 1 graph for lactation, insemination and dry off feed table.



Example of 2 cycles, 4 periods and 3 feed spreading (release) periods per day.

24 hour		24 hour total								
Cycle		Cycle 1				Cycle 2				
NrPeriod		1	2	3	4	1	2	3	4	
Rel. Per.		1	2	3		1	2	3		
Time (h)		0	3	6	9	12	15	18	21	24
Clocktime		14.00	17.00	20.00	23.00	02.00	05.00	08.00	11.00	14.00
		D	P	P	P	C	P	P	P	D

D = Daily feed start e.g. 14.00 h = calculation new feed balance next 24 hour.

C = Cycle start e.g. 02.00 h (12 hour cycle = 2 cycles per day).

P = Period start (e.g. 4 periods in a 12 h cycle = 3 hour period)

✓ COW TRAFFIC

- Separazione automatica basata su eventi o attenzioni
- Separazione manuale degli animali

✓ COW TRAFFIC

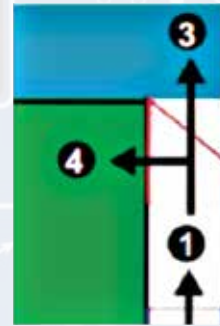
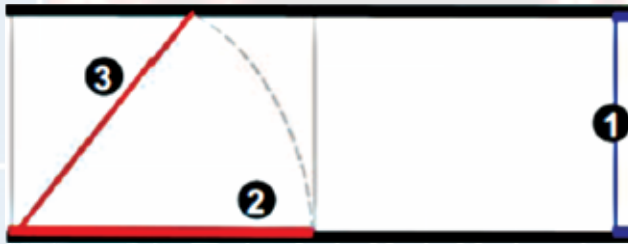
- Automatic cow separation based on events or on attentions
- Manual cows separation

✓ CIRCULATION DES VACHES

- Separation automatique basée sur événements où alarms
- Separation manuelle des animaux

✓ ТРАФИК КОРОВ

- Автоматическое разделение коров базирующийся на событиях или на вниманях
- Ручная сепарация коров



✓ COW INFORMATION

- Numero della vacca
- Fino a 3 dispositivi ID per animale
- Registrazione ministeriale
- Data di nascita

✓ COW INFORMATION

- Cow NR
- Up to 3 ID Responder Numbers
- Life Number
- Birthdate

✓ INFORMATIONS SUR LA VACHE

- Numero de la vache
- Jusqu'à 3 dispositifs ID chaque vache
- Enregistrement ministériel
- Date de naissance

✓ ИНФОРМАЦИЯ О КОРОВАХ

- Номер коровы
- Возможность установки до 3 устройств ID на животное
- Официальный идентификационный номер!
- Дата рождения

✓ CALENDARIO

- Stato riproduttivo
- Parto
- Rilevamento calore
- Check-up gravidanza
- Data asciutta
- Prossimo parto
- Attenzioni personalizzabili

✓ CALENDAR

- Reproduction State
- Calving date
- Heat Detection date
- Insemination date
- Pregnancy Check date
- Dry-Off date
- Next Calving Time
- Custom Attentions

✓ CALENDRIER

- Etat de la reproduction
- Vêlage
- Détection des chaleurs
- Check up de la gestation
- Date du tarissement
- Prochain vêlage
- Alarmes personnalisables

✓ КАЛЕНДАРЬ

- Состояние размножение
- Дата отела
- Дата обнаружения охоты
- Дата осеменения
- Дата беременности
- Дата сухостоя
- Время следующего отела
- Внимания для пользователя

Calendar dates							
Number	Group	Birth date	Calving date	Reproduction state	Heat date	Insemination date	Dry off date
386	1	27-02-2000 (12.11)	22-01-2013 (23)	Open			
396	1	24-04-2000 (12.09)	17-01-2013 (28)	Open			
402	1	29-05-2000 (12.08)	20-09-2012 (147)	Pregnant	19-10 (118)	17-12 (59)	
443	1	05-07-2001 (11.07)	05-09-2012 (193)	Pregnant	12-09 (155)	28-10 (109)	
454	1	17-11-2001 (11.03)	21-09-2012 (177)	Open	12-10 (125)		
459	1	03-02-2002 (11.00)	04-09-2011 (1.05)	Pregnant	05-05 (285)	04-07 (225)	
460	1	09-02-2002 (11.00)	09-12-2012 (67)	Inseminated	15-01 (30)	15-01 (30)	
466	1	20-02-2002 (10.12)	27-12-2012 (49)	Open			
474	1	12-05-2002 (10.09)	24-08-2012 (174)	Open	07-01 (38)		
479	1	19-07-2002 (10.07)	04-03-2012 (347)	Pregnant	04-05 (286)	04-05 (286)	14-12 (62)
489	1	05-10-2002 (10.04)	26-04-2012 (294)	Pregnant	06-06 (253)	06-06 (253)	13-01 (32)
490	1	11-10-2002 (10.04)	17-01-2013 (28)	Open	07-02 (7)		
496	1	24-10-2002 (10.03)	06-09-2011 (1.05)	Pregnant	05-03 (346)	04-06 (256)	13-01 (32)
504	1	19-04-2003 (9.10)	07-12-2012 (69)	Open			
515	1	17-03-2003 (9.11)	29-08-2012 (169)	Pregnant	05-10 (132)	26-10 (111)	
517	1	25-05-2003 (9.08)	29-07-2012 (200)	Open	06-02 (8)		
524	1	09-08-2003 (9.06)	27-05-2012 (263)	Pregnant	28-06 (231)	16-08 (182)	
528	1	22-10-2003 (9.03)	08-08-2012 (190)	Pregnant	23-10 (114)	08-12 (68)	
529	1	29-10-2003 (9.03)	02-09-2012 (165)	Open	10-02 (4)		
530	1	15-11-2003 (9.03)	09-01-2013 (36)	Open			
531	1	13-03-2004 (8.11)	29-11-2012 (77)	Inseminated	04-02 (10)	04-02 (10)	

✓ NOTIFICHE E-MAIL

Vari operatori possono ricevere notifiche in tempo reale per:

- Notifiche attività
- Calo attività (malessere o zoppia)
- Calendario eventi (Messa in asciutta, parto, diagnosi gravidanza)
- Notifiche eventi personalizzati
- Notifiche eventi non avvenuti (calore, inseminazione, conduttività alta...)
- Notifiche di sistema

✓ AUTOMATIC E-MAIL ALERTS

Different operators can receive real-time e-mail alerts in case of:

- Activity Attention
- Decreased Activity (possible disease or possible lameness)
- Calendar Alerts (Dry-Off, Calving, Pregnancy Check)
- Personalized Calendar Alerts
- Attention Alerts (No Heat, No Insemination, High Conductivity...)
- System Attention

✓ AUTOMATIQUE E-MAIL ALERT

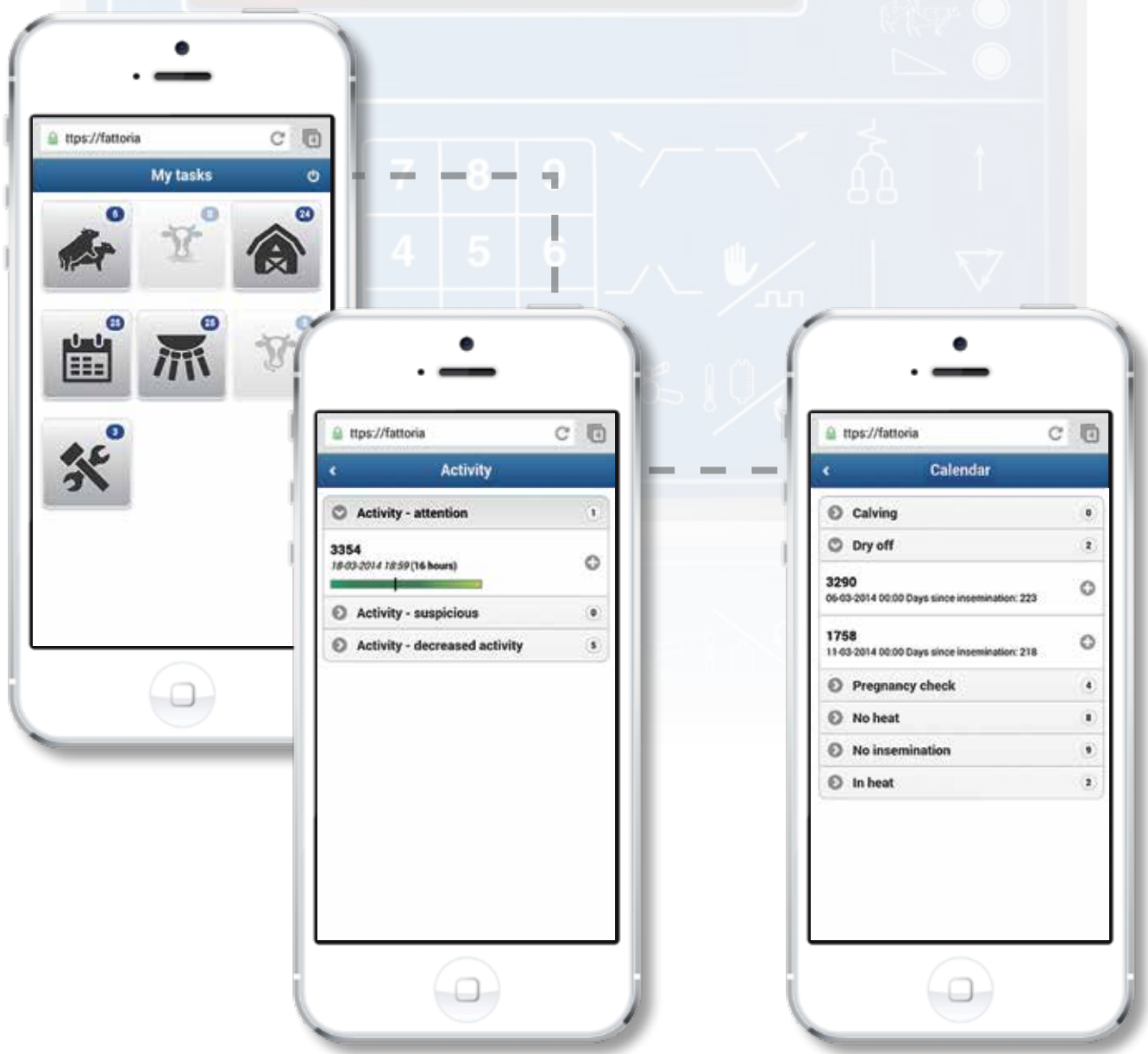
Opérateurs différentes peuvent recevoir real-time e-mail alerts si:

- Il y a un alarm de l'activité
- Il y a un suspect d'activité
- L'activité a été réduite (possibilité de maladie où boiterie)
- Alerts du calendrier (tarissement – vêlage – gestation)
- Alarms du calendrier personnalisés
- Attention alerts (No chaleur – no insemination – Heat Time – Conductivité élevée, etc...)
- Alarm du système

✓ АВТОМАТИЧЕСКИЕ E-MAIL ПРЕДУПРЕЖДЕНИЯ

Разные операторы могут получать в режиме реального времени оповещения по почте в случае:

- Внимания по активности
- Понижение активности (при заболеваниях или возможно хромота)
- Календарные предупреждения (Сухостью, Время отела, Проверить беременность)
- Календарь Предупреждений Пользователя
- Внимание Оповещения (Не в Охоте, Не осеменена, Высокая Проводимость...)
- Системные Внимания



✓ **STANDING AND LYING MONITORING**

La bovina presenta un'attività pressochè identica ogni giorno. Il monitoraggio "Standing and Lying" permette di tenere traccia di tutti gli aspetti legati a questa attività: quanto tempo cammina, quanto sta in piedi, quanto coricata, la frequenza con cui si alza ed il numero di passi fatti. Il sistema memorizza questi dati, per singolo animale, 24 ore su 24 ed allerta l'operatore in caso di importanti cambiamenti dell'attività comparata ai giorni precedenti.

✓ **STANDING AND LYING MONITORING**

A cow shows the same pattern of behaviour and movements every day. Standing and Lying Monitoring tracks different aspects of this pattern: walking, standing and lying time, the number of times the animal stands up and the number of steps she takes per day. The system accurately tracks the cow 24/7 and issues alerts if there are any changes from the average of the past few days.

✓ **STANDING AND LYING MONITORING**

La bovina a une activité presque identique tous les jours. Le contrôle du "debout et couché" permet de suivre tous les aspects liés à cette activité: combien de temps elle marche, combien de temps elle est debout où est couchée, la fréquence avec laquelle elle s'éleve et le numéro des pas. Le système mémorise ces données pour chaque animal, 24h/24 et il avertit l'opérateur s'il y a des changements importants dans l'activité en la comparant aux jours précédents.

✓ **STANDING AND LYING MONITORING**

Ежедневная активность коров практически неизменна. Мониторинг активности "Standing and Lying" позволяет отслеживать все параметры, связанные с активностью: сколько времени ходит, сколько стоит, сколько лежит, как часто встает на ноги и количество шагов. Система вносит в память эти данные для каждого отдельного животного в течение 24 часов в сутки и подает сигнал оператору в случае регистрации изменений в активности по сравнению с предыдущими днями.



✓ EATING BEHAVIOUR

Il collare NeckTag permette di raccogliere automaticamente, e per singolo animale, dati e segnali che potrebbero sottintendere problemi di salute all'interno della mandria. Quante ore al giorno l'animale dedica per alimentarsi è un dato importante che permette di intervenire precocemente sulla bovina che manifesta cambiamenti di abitudini, prima che la situazione si aggravi, preservando la salute della vacca ed abbattendo costi sanitari e di gestione a favore della marginalità dell'azienda da latte. Grazie all'antenna a lungo raggio il dispositivo "Eating Monitoring" è adattabile sia a stalle a stabulazione libera che in allevamenti che sfruttano il pascolo.

✓ EATING BEHAVIOUR

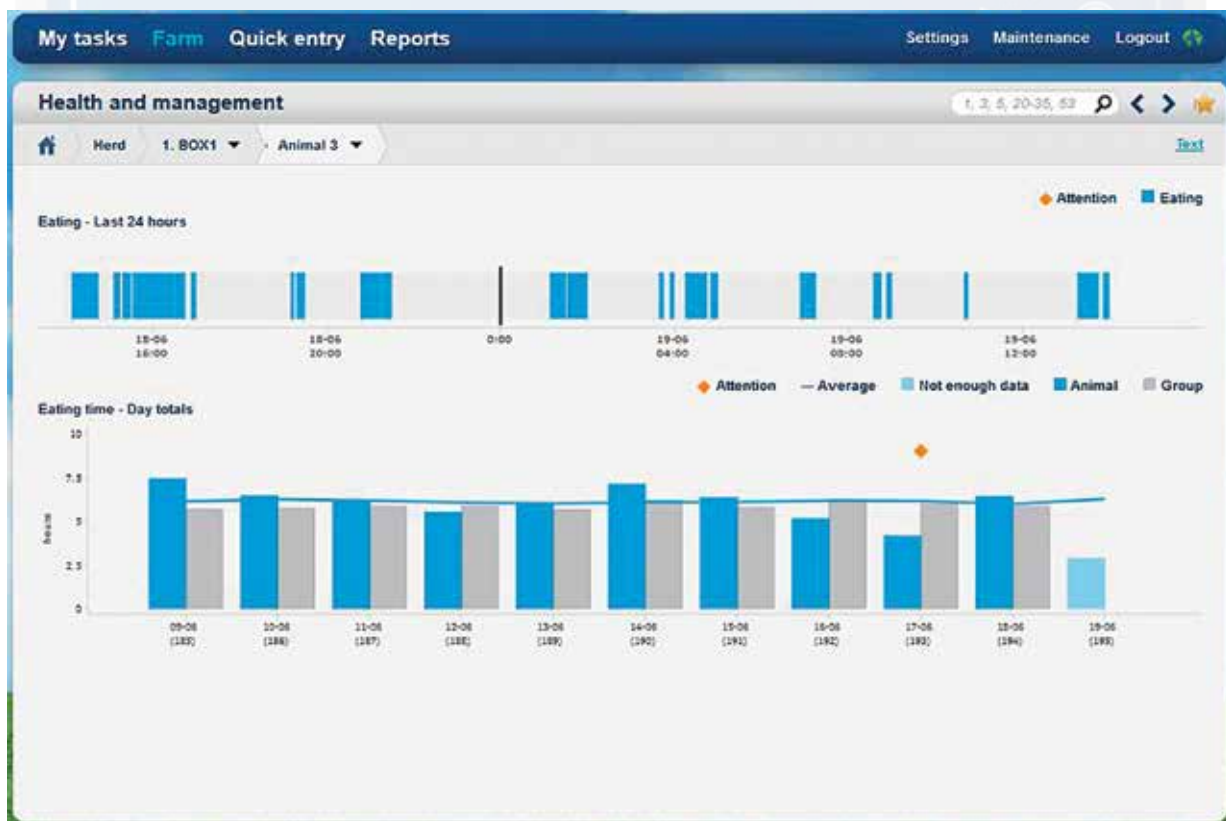
The NeckTag Eating Monitoring function is the next step in automatic tracking of signals that highlight potential health problems in the individual animal. How many hours per day the cow dedicates to eat is a strategic data that permits early and precise actions on every single bovine that shows changes in feed behavior. Preserving the cow's health and saving veterinary and managing costs turn in higher profit for the dairy farm. Thanks to the long range antenna Eating Monitoring fits to free-stall and grazing farms.

✓ EATING BEHAVIOUR

La fonction de surveillance d'alimentation par collier est la prochaine étape dans le suivi automatique des signaux qui mettent en évidence les problèmes de santé potentiels de chaque animal. Combien d'heures par jour la vache consacre à manger, est une donnée stratégique qui permet des actions précoces et précises sur chaque bovin et qui montre les changements dans le comportement d'alimentation. Préserver la santé de la vache, économiser les produits vétérinaire et gérer les coûts, rendent des bénéfices plus élevés pour la ferme laitière. Merci pour l'antenne longue portée de la surveillance d'alimentation, compatible avec les ferme de pâturages et fermes à stabulation libre.

✓ EATING BEHAVIOUR

Ошейник NeckTag предназначен для автоматического сбора информации по каждому животному и для предотвращения заболеваний внутри стада. Подсчет времени, которое животное тратит на потребление кормов, является важным показателем, позволяющим вмешаться в изменение привычек питания той или иной коровы уже на ранней стадии, не дожидаясь обострения ситуации. Сохранение здоровья животного, снижение ветеринарных затрат напрямую воздействуют на получение более высокой прибыли молочной фермы. Благодаря широкому радиусу действия антенны, Мониторинг питания подходит для коровников, комплексов беспривязного содержания и для пастбищных хозяйств.



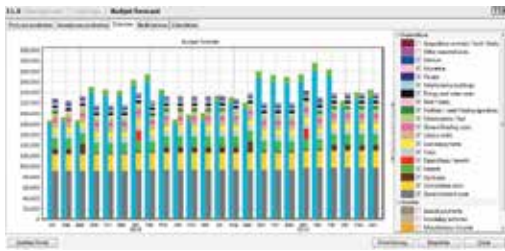
Professional Dairy Management

- ✓ Grazie alla collaborazione con uno specialista internazionale, siamo lieti di presentare la nostra soluzione per un software professionale di gestione della mandria da latte.
- ✓ Thanks to the partnership with an international specialist we present our solution for professional dairy management software.
- ✓ A travers la coopération avec un spécialiste international, nous souhaitons vous présenter notre solution pour un software professionnel à gérer le troupeau laitier.
- ✓ Благодаря партнерству с международной специализи мы представляем наше решение для профессионального программного обеспечения молочного управления.

Professional Milking Analysis



Economy Module

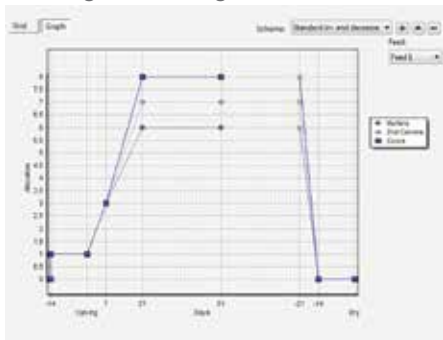


Lactations Database

Multi Farm / Multi Herd Module



Feeding Monitoring



Report Editor

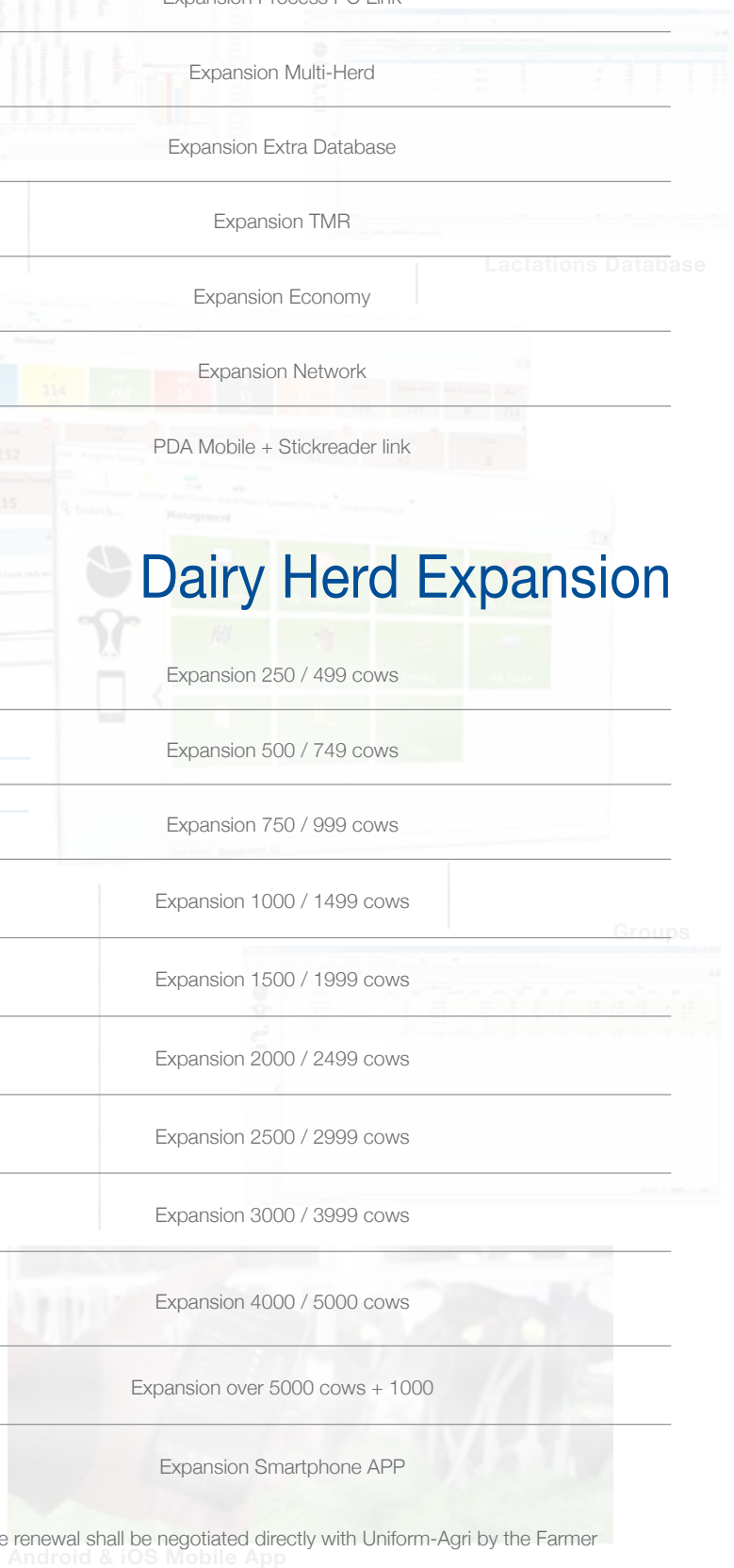
Groups



Android & iOS Mobile App

Professional Dairy Management

5670001*	Software Professional 250 cows
5670002*	Expansion Country Link
5670004*	Expansion Touch
5670005*	Expansion Process PC Link
5670007*	Expansion Multi-Herd
5670008*	Expansion Extra Database
5670009*	Expansion TMR
5670010*	Expansion Economy
5670011*	Expansion Network
5670070*	PDA Mobile + Stickreader link
5670025*	Expansion 250 / 499 cows
5670026*	Expansion 500 / 749 cows
5670027*	Expansion 750 / 999 cows
5670028*	Expansion 1000 / 1499 cows
5670029*	Expansion 1500 / 1999 cows
5670030*	Expansion 2000 / 2499 cows
5670031*	Expansion 2500 / 2999 cows
5670032*	Expansion 3000 / 3999 cows
5670033*	Expansion 4000 / 5000 cows
5670012*	Expansion over 5000 cows + 1000
5670065*	Expansion Smartphone APP





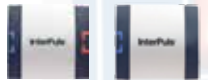


Dairy Herd Expansion

*From the second year on, any agreement concerning the license renewal shall be negotiated directly with Uniform-Agri by the Farmer

Velos

Spare Parts

	5550328	NicNest Large
	5550040	Connection Bridge
	5550041	Interface Bridge (IB) only Data Transmission - 1 every 64 panels
	5550070	VP8001 Process Ctrl
	5550072 5550195	V-Box 1 - 1 Light (box only) V-Box 1 - 2 Lights (box only)

VC4

Spare Parts




In Parlour ID - VC4

	5550020	T/R VC4 Parlour ISO ID
	5550111	T/R VC4 SF4 FDX/HDX
	5550028	Eprom CPS4WHS Parlour ID
	5559005	Walkover antenna set
	5559006	Walkthrough antenna set
	9001726	Kit Relay - automatic gate
	5550022	Neurodynamization unit VC4

Rotary ID

	5550025	T/R VC4 Twin FDX
	5550112	T/R VC4 Twin FDX/HDX
	5550030	Eprom CPT4WCS Rotary ID
	5559005	Walkover antenna set
	5559006	Walkthrough antenna set
	5550205	Side antenna VP6150 autotune
	5550080	VP6011 V-Sense antenna

Process Controllers + Dairy Management

	5550043	X-ACT process controller
	5550045	VC5 Dairy Management + Combox
	5550046	Demo VC5 - 1 year License
	5550092	VC5 Dairy Management Software

Feed Controller

	5550037	Transformer unit (6A) + IB
	5550187	VC4 T/R ISO FDX-B Single Feed
	5550048	Eprom CPS4FSS - 4 x feed type
	5559020	Floor antenna Feedstation



New Milking Parlour

Check List

Tabella • Chart

La progettazione di una nuova sala di mungitura richiede molte considerazioni per ottenere un sistema pratico ed efficiente. La seguente checklist guida "step by step" per un corretto dimensionamento di ogni singolo componente.

Specifiche sala di mungitura

Tipo di sistema

- Secchio mungitore
- Trasporto latte
- Swingover
- Sala
- Giostra

Descrizione	Valore
Dimensioni sala	
Pompa vuoto	
Valvola del vuoto	
Pulsazione	
Gruppi	
Unità terminale	
Pompa latte	
Dimensioni - linea - vuoto	
Dimensioni - linea - latte	
Programmatore di lavaggio	
Gruppi di lavaggio	
Stacco automatico	
Misurazione - manuale	
Misurazione - elettronica	
Dimensioni vasca	
Dairy management	
Identificazione manuale	
Identificazione elettronica	
Rilevamento calori	
Alimentatori automatici	


New milking parlour designing requires a lot of planning in order to reach the target of a practical and cost effective complete system. The checklist below is an useful step by step guide for the correct estimate of each singular device.


Milking parlour specifications


System type

- Bucket milking
- Pipeline
- Swingover
- Side by side
- Rotary

Description	Value
Milking system size	
Vacuum pump	
Vacuum regulator	
Pulsation	
Cluster	
Therminal unit	
Milk pump	
Vacuum line size	
Milk line size	
Automatic washing programmer	
Washing unit	
Automatic cluster remover	
Manual milk meter	
Electronic milk meter	
Wash trough size	
Dairy management	
Manual ID	
Electronic ID	
Heat detection	
Automatic feeding	

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