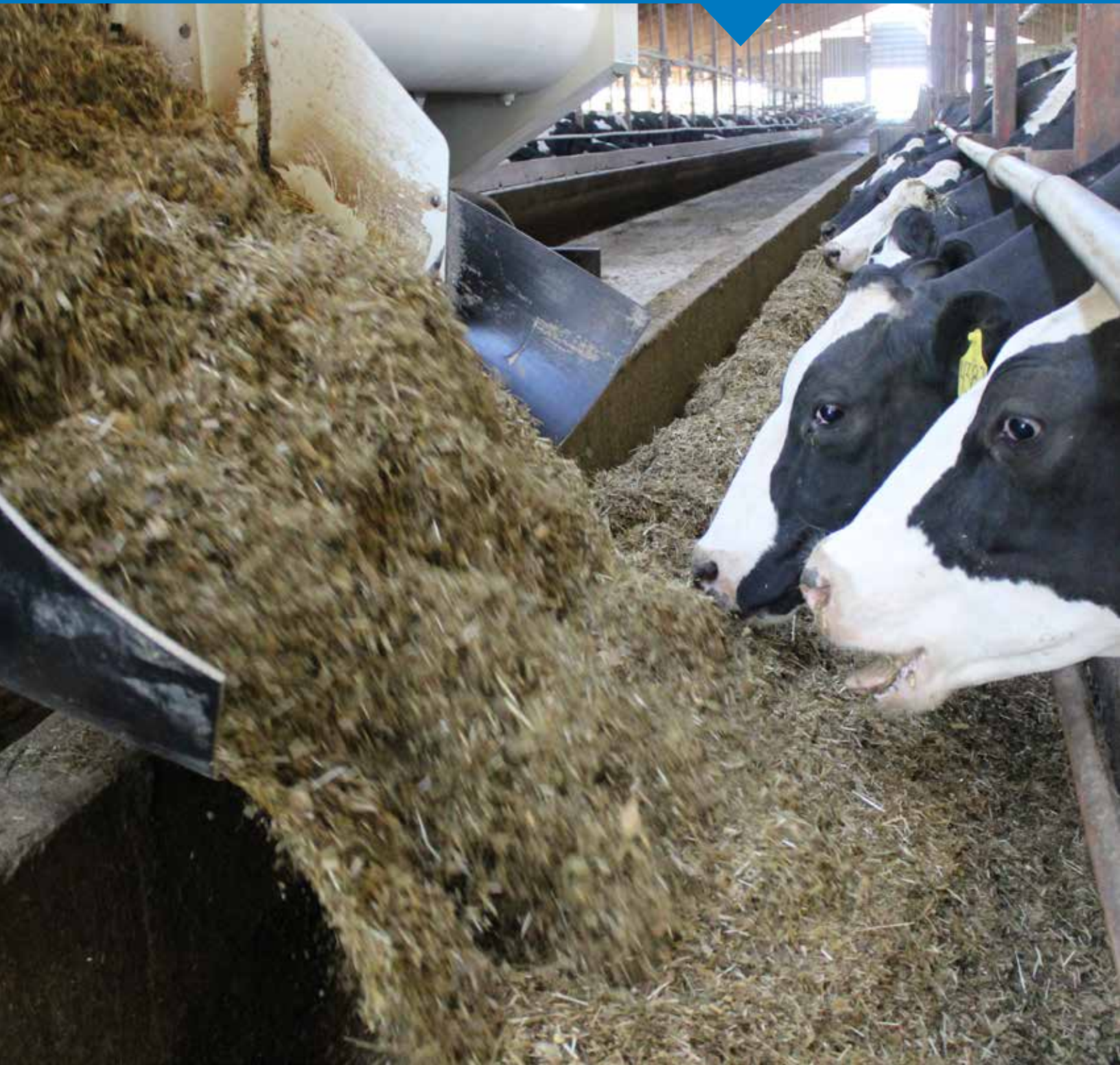# FEED MANAGEMENT DELIVERED

Precision Feeding Suite

DIGI★STAR

TOPCON POSITIONING GROUP

Precision Feeding Suite

On average feed expenses account for over 50 percent of a farm's inputs. With multiple factors affecting the feeding process it can also be the area farmers lose control of the quickest. That is why Digi-Star offers you a complete suite of feed management products, to help you gain control of your largest input process.

Digi-Star got its start manufacturing scales for feed mixers. Load cells for every size mixer and indicators for every style of feed management are built in our Fort Atkinson, WI plant. Digi-Star also provides remote displays and cab control for the loader to provide improved visibility of the loaded weight making it easier to load according to the ration required.

NIR devices are also available from Digi-Star to know exactly what the dry matter % of core feed constituents are before you load each ingredient and software to track and follow the trends of what is being loaded, what is actually fed, and what is being consumed. All of this information is available online and via your smart phone or tablet. Data is controlled by you so your nutritionist, banker or feed dealer sees only what you want them to see to support your operation.

Digi-Star is both proud and excited to be able to provide this full suite of feed management options and will continue to develop tools to improve your profitability by helping you control your largest expense.

800-225-7695   www.digi-star.com

Index

SOFTWARE

TMR Tracker™ *is a multi-featured Windows based feed management system that offers farm management control, inventory and ingredient tracking, and operator control. Utilizing TMR Tracker will help you reduce shrink, increase production with more consistent feeding and improve employee and mixer management.*

There are three levels of TMR Tracker to meet your feed management goals

- TMR Tracker Pro+ (p/n 405435) – A must have for incorporating milk weights and graphing trends

- TMR Tracker Pro (p/n 405434) – Incorporates Mixer rotation counter and weighback (refusal) management

- TMR Tracker Lite (p/n 405318) – Track ingredients and costs, easy dry matter adjustments and 10 plus report options

TMR Tracker Function	LITE	PRO	PRO +
Easy to use Windows® based program	x	x	x
Communicates with EZ3600V, 4600V, 3610 & 4610 Indicators and the TST 7600	x	x	x
Input ingredients and track costs	x	x	x
Input recipes and monitor feed costs	x	x	x
Easy adjustment of Dry Matter values	x	x	x
Calculates Dry Matter Intake	x	x	x
Create recipes on a lb/load, lb/animal or percentage bases	x	x	x
Automated Report Export	x	x	x
Change "Pen Call Weight" and "Head Count" at indicator	x	x	x
Compatible with consultant & online versions	x	x	x
Ingredient usage report	x	x	x
Total # of reports	10+	15+	25+
Operator accuracy monitoring	Limited	x	x
Flexible workday definitions		x	x
Mixer rotation counter & mix time monitoring		x	x
Feed refusal/weighback tracking		x	x
Report writer offers report customization		x	x
Graphical reports			x
Interface with most herd management programs		x	x
Inventory monitoring & forcasting		Limited	x
Predicts feed reorder dates			x
Milk production tracking			x
Calculate Income over feed costs			x
Premix options		x	x
Upgradable to next program level	x	x	
Interface with the Moisture Tracker			x

Durable, intuitive data management that fits your needs. Digi-Star precision feed management Indicators are built for the rugged on farm environment and are easy-to-use. Choose wireless or USB data transfer from your PC to indicator and back again.

TMR 3610*

NEW

p/n 361003 - KIT TMR 3610 USB/Remote Port/Serial Port

361024 - KIT TMR 3610 REM/SER/2.4XBEE/RC

361025 - KIT TMR 3610 USB/Remote Port/Rotation Counter/Serial Port/Wireless Extended 900

Full management capability and USB or RF Datalink™ bi-directional data transfer.

- Program rations at your PC or from the front panel of your indicator

- Compatible with TMR Tracker® Feed Management Software and third-party bunk read programs

- Internal "alarm light and horn" alerts operator of approaching target weights*

- Make "pen call weights" and "head count" changes at the indicator

- Keeps up-to-date feed changes or reuse data from day-to-day

- Help messages available in 11 languages

NEW EZ4 processor is making it faster than ever before. Starting in 2016 all EZ and feed management indicators will have easy to see white LED back lights.

TMR Tracker™ System

On-Site Installation Available

24/7 Emergency Support

Help Desk - 1 Year Included

Help Desk Renewal - EZ & Quick Online

EZ 4600

p/n 406686 - EZ 4600 USB/Remote Port/Serial Port/Wireless Extended 900

408045 - EZ 4600 USB/Remote Port/Serial Port

Bi-directional data transfer via USB or RF DataLink™

- Program rations at your PC or from the front panel of your indicator

- Compatible with TMR Tracker® Feed Management Software and third-party bunk read programs

- Customizable to accommodate your feeding style

- Easy-to-read 3-line display provides complete feeding information

- Navigational pad for quick selecting of ingredients, rations and pens

TST 7600: Touch Screen Technology
p/n 409399

New technology to Digi-Star's indicator line brings feeding function to you with the touch of a finger!

- Adjust Dry Matter % on scale with Automatic Ration Recalculation

- Use and track Weigh Back (Refusal)

- Precisely load Small Ingredients

- 3-day History and additional information available at a glance

- Ingredient Substitution eases concerns when ingredients run out

- Graphic Display is easier and intuitive when training new users and when using new functionality

- Compatible with new ERM modules and DataLink

Required to work with TST 7600

- New or existing Digi-Star model EZ 2810, EZ 2500, EZ 2400 or higher model scale indicators equipped with a serial port and 9.B / 5 | 2.8.N or newer software

- Digi-Star Feed Management Software

Optional

- Digi-Star DataLink Wireless Data Transfer Systems; Single-Mixer, Multi-Mixer, or RF DataLink systems & ERM radio system

- Digi-Star Cab Control systems & ERM radio system

- ERM-2.4 for Cab Control Only or ERM-2.4X & ERM-900 for Cab Control and/or DataLink

- Rotation Counter–Patented (Available on EZ 3400 VL, EZ 3600 V, and EZ 4600)

- Insite

Wired and wireless remote display to better view and control indicator functions on the feed mixer from the wheel loader, skid steer or telescopic loader:

Increased loading accuracy

- Easily see weight and information because view is not affected by rain, snow, dirt, or distance

- Reduce overloading of key ingredients

Increased loading efficiency

- No need to leave the loader cab during loading

- View Recipe, Resize, and more

- Fingertip control of standard scale functions: Tare, Zero, Net, or Gross weight display, ingredient advance

- Optional CC400, CCT400 and CCT500 provide additional scale control functions

Remote Display RD 4000
p/n 405180

- Large 4" LED ultra bright display

- Viewable from 200 feet

- Lighted load progression bar graph

- Visor is available as an accessory

Remote Display/Mirror Mount RD 440
p/n 404986

- Clear 1" LCD display with alarm light

- Unique compact size

- Compatible with all Digi-Star indicators

- Ideal for Track mount applications

Remote Display RD 2500

p/n 409131

- Bright 1.7" COG display

- Durable, impact resistant design

- Slimline profile

Cab Control CC 400* & CC 2.4*

p/n 408216

CC 2.4 with: 2.4GHz XBEE radio for Cab Control Systems only with range up to 90m (300')

p/n 403923

CC 400 with: 2.4GHz MaxStream radio for Cab Control & DataLink systems with range up to 300m (1000')

p/n 405332

CC 400 with: 900MHz radio for Cab Control & DataLink systems with range up to 1km (3,000')

- Control TARE, NET/GROSS, ZERO, PRINT, & ADVANCE from the loader

- Four mounting bracket options: (Rail, Wedge, U-Bolt, & RAM™) for greater mounting flexibility

- Backlight 1" display is easily viewable inside the cab both day and night

- Multi-Mixer capability. Communicate with up to 24 different mixers from one loader

Cab Control Touch

- Easily view and control scale indicator display remotely from inside the loader

- Simple to learn, more intuitive, graphic touch screen display

- Increased mounting opportunities in smaller cabs of skid steer and telescopic loaders and minimizes view obstruction from the slim, compact design

- Clearly indicates when call weight is reached with display color change in addition weight at zero

- Wearing gloves does not impede use due to advanced touch screen technology

Cab Control Touch CCT 400

p/n 409844 - *CCT400 Kit with ERM 2.4 XBEE*

p/n 409848 - *CCT400 Kit with ERM 900*

Provides the same functionality as the Digi-Star's Cab Control 400: Net/Gross, Tare, Zero, Advance Ingredient, and Select Mixer

Cab Control Touch CCT 500

p/n 409845 - *CCT500 Kit with ERM 2.4 XBEE*

p/n 409849 - *CCT500 Kit with ERM 900*

Provides additional functionality when used in conjunction with Digi-Star EZ36/4600 indicators to: Select or Resize Rations by Weight or Headcount

The CCT 400 & CCT 500 require corresponding ERM radio as shown

Loader with CCT 400 or 500		Mixer with Digi-Star Scale Indicator
409004 ERM-2.4	-	409004 ERM-2.4
409690 ERM-2.4X	-	409690 ERM-2.4X, or, Internal 2.4GHZ radio
409289 ERM-900	-	409289 ERM-900, or, Internal 900MHz radio

Remote Displays & Cab Control™

Cab Control CC 3600

The CC3600 provides fell remote control* capability for the EZ2810, EZ3410*, and TMR3610.

p/n 404495

2.4 radio: 3600 Wireless cab control with a 2.4 GHZ

MaxStream

p/n 405338

900 radio: 3600 Wireless cab control with a 900 MHZ radio

*Some ration editing functions must be made at the EZ3410. All Cab Control 2.4 and 400 models come with standard Cab Control housing and internal radio. Cab Control Touch CCT 400/500 must be equipped with an ERM radio.

Cab Control 2.4

p/n 408216

- Up to 90 m [300 ft] transmission range*
- Internationally certified 2.4GHz Transceiver

Cab Control 400

p/n 403923

- Up to 300 m [1000 ft] transmission range*
- Internationally certified 2.4GHz Transceiver

Cab Control 400

p/n 405332

- Up to 1 km [3,300 ft] transmission range*
- North & South American certified 900 MHz transceiver

Digi-Star offers a complete range of add-on External Radios that easily retrofit new and existing Digi-Star Scale Indicators (must have software version 8J or newer) equipped with J905 serial port with wireless radio capability. All ERM units are equipped with hook and loop fasteners for increased mounting versatility, illuminated data center utilizing LED light pipes and 0.5 m [1.6 ft] cable with serial connector (J905).

External Radio Modem ERM 2.4

p/n 409004

ERM 2.4 Base System

- Up to 90 m [295 ft] transmission range*

- Internal 2.4GHz antenna

- Internationally certified transceiver CE

External Radio Modem ERM 2.4X

p/n 409690

ERM 2.4X System (includes mag-mount antenna)

- Up to 300 m [1000 ft] transmission range*

- External mag-mount whip antenna (not shown)

- Works with any Digi-Star 2.4 GHz Cab Control 400 or DataLink system

- Internationally certified transceiver CE

External Radio Modem ERM 900

p/n 409289

ERM 900 Base System (includes mag-mount antenna)

- Up to 5 km [3 mile] transmission range*

- External mag-mount whip antenna (not shown)

- North & South American certified transceiver

External Radio Modem ERM WIFI™*

p/n 409665

ERM WIFI Base System

- Designed to communicate and provide data transmission with a growing portfolio of Digi-Star smartphone and tablet applications and hardware systems.

- Works with Digi-Star Cab Control Apps for feed mixer and grain cart weighing systems.

- Internationally certified 2.4GHz transceiver

- External adjustable dipole antenna

- Range - Varies, dependent on device app is running on and Country

- 0.5 m [1.6 ft.] cable length with serial connector (J905)

- Illuminated data center utilizing LED light pipes

- Indicator must have software version 8J or newer installed

CE

Required

- Digi-Star Cab Control App for Android and iOS Smartphones & Tablets

Optional ERM Extension Cable**

p/n 409156

- Mates to existing connectors on ERM unit and J905 indicator

- Extended cable length allows for more mounting options and increased range

- 1.2 m [4 ft.] cable length

Not compatible with other radio systems
***ERM Extension Cable mates with any of Digi-Star's ERM units*

DataLink & RF DataLink

DataLink transfers feeding information wirelessly via radio from PC to mixer and vise versa without USB or datakey. With TMR Tracker, DataLink & RF DataLink users need to choose the feeding mode they prefer. Loads Mode: the order of pens fed is determined at the PC. Using one of Digi-Star's wireless systems you can send specific loads to specific mixers or all loads to one mixer or all mixers. List Mode: only sends recipes and pens to the mixer for the operator to determine the order and batch size needed.

Features	Single Mixer DataLink	Multi Mixer DataLink	RF DataLink
Automatically manages the transfer of your feeding information			x
Continuously looks for pen-fed data and feeding vehicle readiness to receive the next ration and/or pen feeding information	x	x	x
System utilizes 900 MHz or 2.4 GHz MaxStream base radio to transfer data	x	x	x
Monitor scale indicator from your PC with full key control	x	x	x
Send messages from your PC to the scale indicator display			x
Perfect for operations with stationary mixers, batch boxes, and/or feed delivery boxes			x
Communications range up to one mile, depending on location and radio system utilized	x	x	x
Load by Load – send predetermined loads to specific pens one load at a time, or send all loads to trucks	x	x	x
List Mode – Send all ingredients, all recipes, and all pens to trucks. You select which ration, volume, and pens to feed	x	x	x
Bunk Reader – DataLink accepts recipes, loads and pens to feed from 3rd party Bunk Reader software and sends to trucks			x
Sort loads by various recipe and mixer combinations; even create delivery zones per truck			x
Recipe loading efficiency – load half ingredients in stationary mixer, half in mixer truck at the same time, reducing loading times			x
Flexible; multiple feeding process options			x
Multiple languages	x	x	x
Auto start program			x
Manage load-by-load ingredient loading and pen feeding information	x	x	x
Send pen list to delivery Truck			x
Manage ingredient data to stationary mixer or batch box			x
Multiple mixer capable		x	x

TMR Tracker Internal DataLink

p/n 409285

- Wireless 900MHz base station and cabling to computer for TMR Tracker Internal DataLink

p/n 409284

- Wireless 900MHz base station with high gain antenna and cabling to computer for TMR Tracker Internal DataLink

RF DataLink Multi Mixer System

p/n 403965 & 405342

- RF DataLink software, cabling, and base radio with 2.4GHz high gain antenna - for use outside U.S.A and in Colorado

p/n 409281 & 405343

- RF DataLink software, cabling, and base radio with 900MHz high gain antenna - for use in U.S.A

T/R Transmitter
p/n 400777 (factory installed)

- Set Tare or Zero and select Net or Gross weights from Loader Cab up to 100ft away
- Advance the ingredient or pen when using batching indicators

Rotation Counter Kit- Patented
p/n 408088

- Consistent blend every time
- Scale indicates desired mixing time or mixing revolutions
- Available on TMR 3610 and EZ 4600

Alarm Horn
p/n 145398

- Provides a loud audible alarm for precise loading and unloading
- Activates when the desired weight is reached
- Can be used with the Alarm Light
- Needs additional power cable (p/n 148210)

Alarm Light
p/n 145401

- Provides a bright visual alarm for precise loading and unloading
- Activates when the desired weight is reached
- Can be used with Alarm Horn
- Needs additional power cable (p/n 148210)

NIR Technology offers immense opportunities to improve feed management - from measuring moisture on farm to measuring detailed nutrition information for ration balancing. Digi-Star has two NIR options for you to choose from.

AgriNIR™
p/n 409719

A portable full spectrum NIR analyzer for forages and grains that quantifies, in seconds, the percentage of Humidity or Moisture (dry matter), Starch, Crude Protein, ADF, NDF, Ash and Crude Fat of the plant material being analyzed. Comes with seven feed calibrations. NIR crop families: Corn Silage, Hay, High Moisture Corn, Alfalfa Hay, Grass Silage, TMR, and Soybean Flour.

Moisture Tracker™
p/n 409300

A hand-held NIR scanning device that rapidly measures the DM % and moisture content of animal feeds. The Moisture Tracker™ device provides livestock producers with near instantaneous, accurate DM and moisture readings which enable livestock producers to quickly react to changes in DM thus ensuring that the ration delivered matches the ration calculated. Over 20 different ingredient calibrations included.

TMR Tracker Online

TMR Tracker online allows an internet based option to keep farm managers, consultants, and feed suppliers in touch with on farm feeding and inventory management.

- Data protection with automatic back-up to Digi-Star Server
- Remotely view your data from any internet connected device
- Nutritionist can remotely view & modify rations and update farm PC
- Review automated text or e-mail reports
- Benchmarking feature allowing you side by side comparisons of anonymous farms

E-Tracker - Consultant Version

Allows remote access to a farms' TMR Tracker database even if the farm computer does not have internet access.

- Companion to TMR Tracker
- Transfers data via e-mail
- Nutritionists can view reports, modify rations, ingredients, and pens

Cab Control App

The Cab Control App is the first app released by Digi-Star for smart phones and tablets.

- Easily view and control scale indicator display remotely from Android and iOS phone or tablet
- Designed for use when regular Cab Control or Remote Display does not work, such as inside a silo unloading room or next to a grain bin
- Simple to learn, intuitive, graphic touch screen display & control

- Provides same functionality as Digi-Star's Cab Control 400: Net/Gross, Tare, Zero, Advance Ingredient, and Select Mixer
- Available free-of-charge from Play Store or iSTORE with purchase of Digi-Star ERM-WIFI

SW 300
p/n 405157

Our most popular, easy-to-use indicator.

The SW300 features a compact, durable design with the convenience of an internal battery.

- 'AA' battery (2) powered 30-70 hours of service

SW 600
p/n 405159

SW 600 model is the ideal indicator to export basic weight data to chute side and herd management PC software.

- Temperature compensated

SW 4600EID
p/n 405161 & 410888

SW 4600EID with USB, 2 way communicaiton. This advanced management indicator features both EID and Visual ID input, with a customizable display offering easy data collection.

- Customizable multi-line display offers performance data during the weighing cycle
- Enter Visual ID, Premise ID, group/pen numbers, code fields, quick data notes
- Average daily weight gain
- Automatic weight and EID tag recording
- 10,000 weigh record capacity
- Compatible with ISO compliant EID wand readers
- Data export via industry standard CSV format
- StockWeigh Link-PC Software (provided) allows communication between the indicator and PC

- Easy download of animal records and upload of quick data note fields
- Two DB9 serial ports for wand readers and computer interface
- Adaptable to Wireless BlueTooth® technology
- Internal battery available, AC/DC converter power cable and 12V battery clips

StockWeigh Link Software

Included with purchase of SW4600EID Indicator

- Easy-to-use reports

- Review growth performance and monitor average daily gains.

- Quickly download data from indicator to PC, display in PDF, MS Excel, CSV, HML, and .txt formats

- Data can be incorporated into herd management programs via CSV format

AlleyWay Aluminum Deck

p/n 403360

- 24" W x 6" H x 90" L

- Offers portability and mobility between multiple weighing locations

- 1" perforated surface reduces slippage and allows self cleaning

- Accepts two 24" Wrangler 3,300 lb load cells

- 3,300 lb capacity

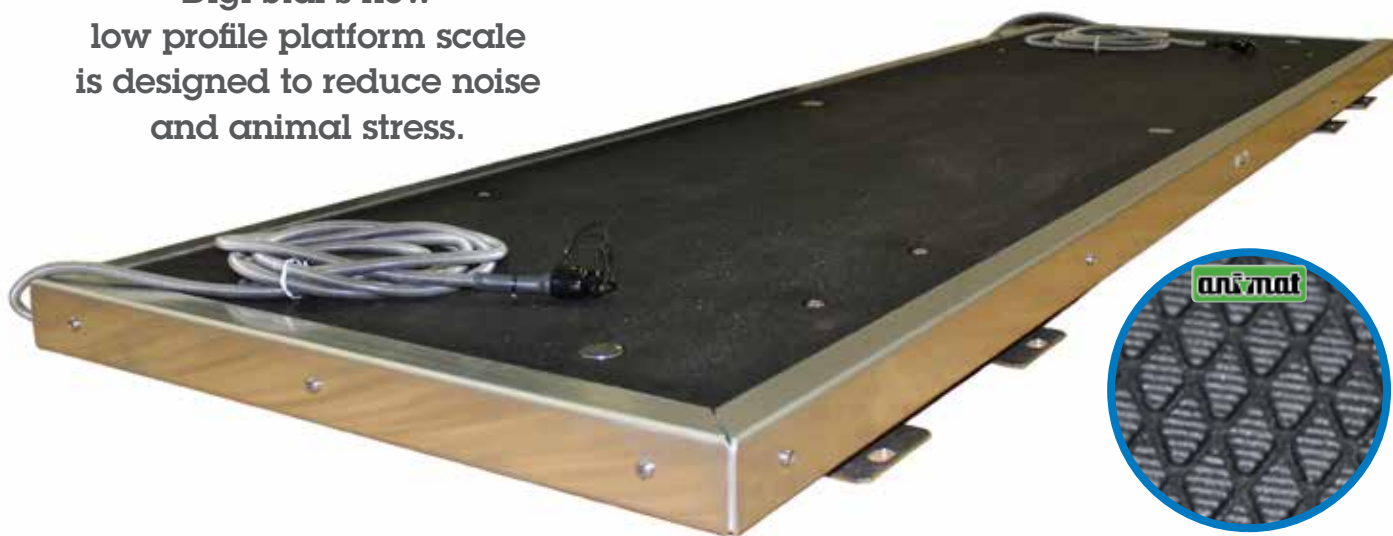- Transport weight w/load cells is 106 lbs.

Low Profile Platform

p/n 409788 - Platform with SW3300 load cells
p/n 409787 - Platform with SW6600 load cells

Digi-Star's new
low profile platform scale
is designed to reduce noise
and animal stress.

Caf-Cart® Features:
is a registered trademark of: CAF-CART Raytec Manufacturing

- Well designed to balance weight easily with one hand
- Digi-Star SW300 AA battery powered digital display
- Digi-Star SW3300 load cells weigh accurately on uneven ground
- Stainless steel cable guard resists animal biting
- Dimensions (ID): 41" length, 15" wide, 38" height
- 26" pneumatic tire, 300 lb capacity cart
- Headlock option for safe processing
- **Available online only**

Product List / Part Numbers

Software

Part Number	Description	Quantity Needed	Page Reference
405318	TMR Tracker™ Lite	_____	4
405434	TMR Tracker™ Pro	_____	4
405435	TMR Tracker™ Pro+	_____	4

Indicators

Part Number	Description	Quantity Needed	Page Reference
361003	KIT TMR 3610 with USB/Remote port/Serial port	_____	5
361024	KIT TMR 3610 with USB/Remote port/Rotation Counter/Serial port/ 2.4 Cab Control Radio	_____	5
361025	KIT TMR 3610 with USB/Remote port/Rotation Counter/Serial port/ Wireless Extended 900/1mg memory	_____	5
406686	EZ 4600 with USB/Remote Port/Serial Port/ Wireless Extended 900	_____	6
408045	EZ 4600 with USB/Remote port /Serial port	_____	6
409399	TST 7600: Touch Screen Technology	_____	7

Remote Displays

Part Number	Description	Quantity Needed	Page Reference
405180	Remote Display RD 4000	_____	8
404986	Remote Display/Mirror Mount RD 440	_____	8
409131	Remote Display RD 2500	_____	9

Cab Control™

Part Number	Description	Quantity Needed	Page Reference
408216	Cab Control 2.4 with 2.4 GHz XBEE radio (Works with ERM p/n 409004)	_____	9, 11
403923	Cab Control 400 with 2.4GHz MaxStream (Works with built-in 2.4 radios and ERM p/n 409690)	_____	9, 11
405332	Cab Control 400 with 900 MHz radio	_____	9, 11
409844	Cab Control Touch 400 with ERM 2.4 XBEE	_____	10
409848	Cab Control Touch 400 with ERM 900	_____	10
409845	Cab Control Touch 500 with ERM 2.4 XBEE	_____	10
409849	Cab Control Touch 500 with ERM 900	_____	10

Cab Control™ (continued)

Part Number	Description	Quantity Needed	Page Reference
404495	Cab Control 3600 Wireless with 2.4GHz MaxStream	_____	11
405338	Cab Control 3600 Wireless with 900MHZ radio	_____	11

Wireless Components

Part Number	Description	Quantity Needed	Page Reference
409004	ERM 2.4 Base System (Works with Cab Control 2.4 p/n 408216)	_____	12
409690	ERM 2.4X System	_____	12
409289	ERM 900	_____	12
409665	ERM WIFI	_____	13
409156	ERM Extension Cable	_____	13

DataLink

Part Number	Description	Quantity Needed	Page Reference
409285	Wireless 900MHz base station and cabling	_____	14
409284	Wireless 900MHz base station with high gain antella and cabling	_____	14
403965	& 405342 RF DataLink Software w/ 2.4GHz high gain antenna	_____	14
409281	& 405343 RF DataLink Software w/ 900MHz high gain antenna	_____	14

Accessories

Part Number	Description	Quantity Needed	Page Reference
400777	T/R Transmitter	_____	15
408088	Rotation Counter Kit- Patented	_____	15
145398	Alarm Horn	_____	15
145401	Alarm Light	_____	15

NIR

Part Number	Description	Quantity Needed	Page Reference
409719	AgriNIR™	_____	16
409300	Moisture Tracker™	_____	16

Kit Stockweigh List

Part Number	Description	Quantity Needed	Page Reference
*405157	SW 300 Indicator	_____	18
*405159	SW 600 Indicator	_____	18
*410888	SW 4600 with USB	_____	18
*406585	Complete SW 300 Alleyway Scale System; Includes SW 300 display, two SW 3300-24" load cells, and 90" aluminum platform	_____	
*405418	Complete SW 300 Wrangler Junior Scale System; Includes SW 300 display, two SW 3300-24" load cells, and 54" aluminum platform	_____	
*409658	Complete SW 600 Alleyway Scale System; Includes SW 600 display, two SW 3300-24" load cells, and 90" aluminum platform	_____	
*408503	Complete SW 4600EID Alleyway Scale System; Includes SW 46000EID recording display, two SW 3300-24" load cells, and 90" aluminum platform	_____	
*408504	Complete SW 4600EID Wrangler Junior Scale System; Includes SW 4600EID recording display, two SW 3300-24" load cells, lift handle & wheel kit, and 54" aluminum platform	_____	
*409788	Low Profile with SW3300 load cells indicator not included **NEW**	_____	20
*409787	Low Profile with SW6600 load cells indicator not included **NEW**	_____	20
_____	Caf Cart Scale only **available online store**	_____	20

We reserve the right to modify designs, implement product improvement, or change prices without any obligations with respect to goods purchased

EASY FEED MANAGEMENT TECHNOLOGY

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