

# **Digi-Star**★

## **StockWeigh 600**

### **OPERATORS MANUAL**



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## **GETTING STARTED**

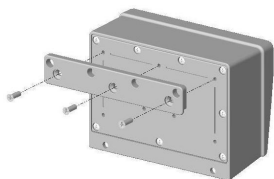
The Digi-Star StockWeigh 600 indicator is a highly reliable scale designed to weigh animals. This indicator can be connected to Digi-Star's StockWeigh load cells or various other load cell systems.

The following steps will allow you to get familiar with your new StockWeigh 600™ indicator. Detailed instructions and option settings follow the "Getting Started" section.

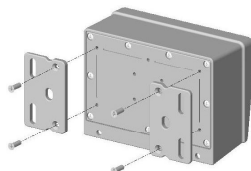
## **INSTALLATION**

### **INDICATOR MOUNTING**

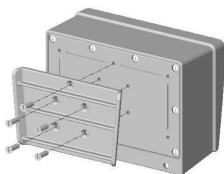
The StockWeigh 600 has three standard methods of mounting the indicator plus the optional RAM mount is available.



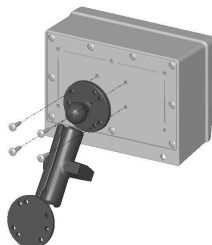
**Rail Mount (Included)**



**Wing Mount (Included)**



**Wedge Mount (Included)**



**Ram Mount (Optional)**

### **POWER CONNECTION**

Power can be obtained directly from a 12VDC battery or from a 120V or 220V AC power cube that plugs into a wall outlet. Attach the power cable to the POWER connector located on the bottom panel of the scale.

Connect the RED wire from the power cable to +12VDC and the BLACK wire to GROUND. The indicator is fused internally at two amps.

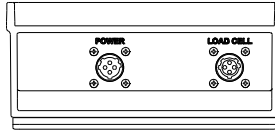
**Warning!** Disconnect the indicator power cord before jump-starting or fast charging a battery.



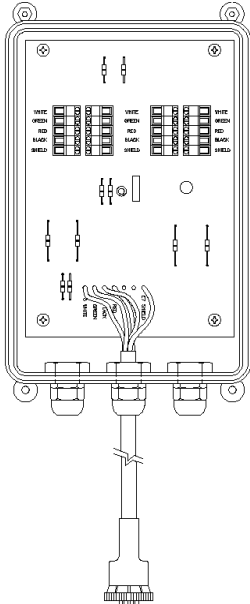
Disconnect all indicator leads before welding on equipment. Damage may occur to the indicator and load cells.

**INDICATOR BOTTOM PANEL**

Wire Color	Wire Function
RED	Battery (+12Vdc)
BLACK	GROUND
ORANGE	Not Used
BLUE	Not Used



**LOAD CELL CONNECTION**



The indicator operates with strain gage load cells. The system is normally supplied with a J-BOX cable going from the scale indicator to the load cell J-box. Extension Kits are available from your dealer in various lengths. To connect the load cells, attach the J-box cable to the LOAD CELL connector on the bottom panel of the scale. Connect the load cell cables to the J-box. Follow color key on circuit board to insure proper connection of load cell wires.

Terminal	Description
WHITE	SIGNAL +
GREEN	SIGNAL -
RED	EXCITATION +
BLACK	EXCITATION -
SHIELD	SHIELD

## **STOCKWEIGH 600 OPERATION**

### **Turning On the Scale**

Press [On/Off].

A brief *HELLO* message will be displayed. The scale enters the GROSS weighing mode.

GROSS mode displays the weight change since the unit was last ZERO/BALANCED.

### **Zero Balance the Scale**

Press [GROSS/NET] and within three seconds, press [ZERO].

“ZERO” is displayed to show completion of the step and the scale is put in the GROSS mode (See below).

### **Weighing Animals (Using the Default Settings)**

Connect load cells, power and press [On/Off].

“Zero Balance” the scale by pressing [NET/GROSS] then [ZERO/RECHECK] within 3 seconds.

Bring the animal onto the scale platform.

After a few seconds, the indicator “Locks On” to an animal’s weight and an “L” will show in the upper left corner of the display.

Release the animal. When the animal steps off the scale, the scale automatically prints the weight data

*NOTE: The StockWeigh 600 does not have an internal clock. Time and date information that is printed will be erroneous.*

### **Gross and Net Mode**

GROSS mode displays the weight change since the unit was last ZERO/BALANCED.

The scale is in GROSS mode if there is a flashing arrow pointing toward the GROSS text just above the [On/Off] key.

NET mode displays the weight change after a TARE has been performed. TARE is a temporary “zero” point. The scale is in NET mode if there is a flashing arrow pointing toward the NET text in the lower left corner of the display.

***TO SELECT GROSS MODE***

If the scale is in the NET mode, press [Gross/Net] to enter the GROSS mode.

***TO SELECT NET MODE:***

If the scale "TARE" weight has not been entered, press [TARE] to acquire a "zero."

or

If in Gross mode, press [Gross/Net]. [Gross/Net] is an alternating-action key. If the scale is in the GROSS mode, pressing [Gross/Net] will place it in the NET mode. If the scale is in the NET mode, pressing [Gross/Net] will place it in the GROSS mode.

***OPTIONAL SETTINGS***

The Indicator is set up at the factory to work with the load cells supplied with your system. You can change the type of load cells or change the way the scale is used and data is collected by following the instructions in this section.

***Change Setup for Load Cells.***

The indicator setup and calibration numbers need to be modified when changing load cell type. Follow the steps below to change the setup and calibration numbers.

Enter the "Short Form Calibration Selection" menu by holding [Zero] and pushing [On/Off] for three seconds.

Press [Gross/Net] to advance through the following selections.

<i>3300L</i>	StockWeigh 3300 with Lock On (pounds)
<i>6600L</i>	StockWeigh 3300 with Lock On (pounds)
<i>10K L</i>	StockWeigh 10000 with Lock On (pounds)
<i>14K L</i>	StockWeigh 14000 with Lock On (pounds)
<i>3300KG</i>	StockWeigh 3300 with Lock On (kilograms)
<i>6600KG</i>	StockWeigh 3300 with Lock On (kilograms)
<i>10K KG</i>	StockWeigh 10000 with Lock On (kilograms)
<i>14K KG</i>	StockWeigh 14000 with Lock On (kilograms)
<i>CUSTOM</i>	Any other load cell. See "Short Form Calibration" in Appendix "A" for detailed instructions.

Press [On/Off] to save desired load cell calibration and exit.



**NOTE:** If the indicator is not set for weigh method 4 or 8, "Lock-On Weigh Method" the indicator will enter the "Short Form Calibration" menu (see Appendix "A").

## **Change Options (Using Long Form Setup)**

Enter the Long Form Setup by holding [Net-Gross] and pushing [On/Off] for three seconds.

Press [On/Off] to advance to the desired parameter.

Press [Net/Gross] to advance to the proper setting.

Press [On/Off] to save setting and advance to the next parameter.

Hold [Tare] and press [On/Off] to return to indicator operation.

### **DEFAULT SETTINGS**

Default settings for the indicator are as follows:

ZTRACK	OFF	SCOREM	0
W MTHD	4	APRINT	OFF
LOCKON	8	COM IN	E22CM
LKNHL	OFF	PRTFMT	AUTO
AUTOFF	OFF	C1 DLY	OFF
LSTORE	AUTOWT	C2 DLY	OFF
LSSEND	OFF	COUNT	1
I ZERO	ON	ARRANGE	ON
TAREAP	OFF	LB-KG	LB
IL PRT	OFF	CAP	4000

These parameters can be selected, de-selected or adjusted to fit the way you use the scale. See below for descriptions.

#### **ZTRACK** Zero Tracking

If "ON", the scale will adjust for small weight variances of up-to 5lbs in the Lock-On weigh method. This allows the scale to compensate for such things as mud or snow accumulation on the scale platform.

**W MTHD****Weigh Method**

Weigh method allows the operator to adjust how much processing or number crunching the scale processor does to the load cell data before displaying the weight. See Appendix "B" for details. Select weigh method #4 "Lock-On" for animal weighing.

**LOCKON****Lock-On**

Available settings are 1 thru 9. A low value, such as a 1 or 2, allows the system to be more sensitive to animal motion. A high value, such as an 8 or 9, allows the scale to lock on faster. Use the lowest setting that still allows the system to lock on consistently.

**LKNHLD****Lock-N-Hold**

If ON - lock weight is held until next animal is weighed.

**AUTOFF****Auto Off**

This feature allows the operator to have the indicator automatically shut itself OFF after either 15, 30, 45 or 60 minutes of inactivity.

This feature will extend battery life on battery powered portable scales. Prior to the scale shutting off, the message "GOODBYE" will be scrolled across the display for approximately 15 seconds. Pressing a key on the indicator during this time will prevent the unit from turning off and restart the internal shut-off timer.

**LSTORE****Lock-On Store**

Select lock on storage method.

**OFF****Off**

-Sends data to computer port only when TAREAP or APRINT are set to "ON".

-Set PRTFMT to select desired print format. See Appendix F.

*MANPRT* Manual Print  
-Sends time, date and weight data to the computer port when operator presses [On/Off].  
-Set PRTFMT to select desired print format. See Appendix F.

*AUTPRT* Automatic Print  
-Sends Time, Date and Weight data to the computer port when the scale locks-on or when the animal steps off the platform.  
-Set LSEND to select when data is sent.  
-Set PRTFMT to select desired format. See Appendix F.

*MAN WT* Manual Weight  
-Sends time, date and weight data to the computer port when operator presses [On/Off].  
-EID print format. See Appendix F.

*AUTWT* Automatic Weight  
Sends time, date and weight data to the computer port when the scale “Locks-On” or when the animal steps off the platform.  
Set LSEND to select when data is sent to computer port.  
EID print format. See Appendix F.  
If LSEND is “ON”, data will be sent to computer port when scale “Locks-On” to weight.  
If LSEND is “OFF”, time, date and weight data is sent when the animal steps off the platform.

- LSEND** Lock-On-Store Send  
LSEND is for LSTORE automatic modes and has no effect in manual modes.  
If set to “OFF”, data is sent when animal steps off the platform.  
If set to “ON”, data is sent as soon as the scale locks-on.  
If set to “ON”, press [RECHECK] to recheck the weight and send new data to computer port.
- I ZERO** One Touch Zero  
Set to “On” to zero scale by pressing [Zero] only.  
Set to “Off” to zero scale by pressing [Gross/Net] and [Zero].
- TAREAP** Tare Auto Print  
Set to “ON” to print data when the indicator “TARE” function is used.
- ILPRINT** One Line Print  
Set to “ON” formats printer output data on one line. Set to “OFF” formats printer output data in up to two lines.
- SCOREM** Scoreboard Mode  
Selects one of several methods to continuously output display data to a scoreboard via com port. See “Appendix E” for details.
- APRINT** Auto Print  
When set to “ON”, pressing keys will automatically print weight values.
- COM IN** Com In  
Interface selections, *DOWNLD* = Data Down Loader, *EZ CMD* = Original EZ Commands & *EZ2CMD* = EZII Escape Commands.
- PRTFMT** Print Format  
Many data output formats are available. See “Appendix F” for details.

***C1 DLY***

Com 1 Delay

Choose the number of seconds the printer will delay before advancing to the next print line.

Select one of the following:

OFF	No delay	1	1 Second
.10	1/10 second	2	2 Seconds
.25	1/4 second	3	3 Seconds
.50	1/2 second	4	4 Seconds
.75	3/4 second	5	5 seconds

***C2 DLY***

Com 2 Delay

Not Used.

***COUNT***

Display Count

Indicator displays count in increments of 0.01, 0.02, 0.05, 0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50, and 100.

If the count is set too small, the readings will be unstable and the indicator will not be accurate.

***ARRANGE***

Auto-Range

If "ON" the scale increases display count size for weights over 300 and again at 600 lbs/kgs. If set to "OFF" display counts are set and do not vary.

For example: 0 to 300 lbs (1 lb Increment), 300 to 600lbs. (2 lbs Increments), 600 and up (5 lbs. Increments).

***LB-KG***

Display Unit

Select desired weight unit to be displayed.

When changing weight unit using the long form, the calibration is adjusted so the scale displays accurately in the new display unit.

***CAP***

Capacity

Enter MAXIMUM weight measurable on scale.

# **APPENDIX A**

## **SHORT FORM CALIBRATION**

The Short Form Setup & Calibration procedure allows you to change the "SETUP" and "CAL" numbers of the indicator.

### **SETUP NUMBER**

Following is a list of functions that are controlled by the "SETUP" number:

- Weigh Method (*W MTHD*)
- Display Units (*L B-KG*)
- Display Counts (*COUNT*)
- Gain
- Scale Capacity

### **CALIBRATION NUMBER**

The "CAL" number is adjusted to make the scale read the proper weight for different load cells and to make accuracy adjustments on a scale system. Systems should be checked and adjusted if necessary using known weights to insure accuracy.

### **Calibrating the Scale for Maximum Accuracy**

Before continuing, first write down the current SETUP and CAL numbers of your StockWeigh indicator. These numbers are displayed during the Self Test. To run the self-test with the indicator already ON, press [Net/Gross], then [On/Off] to start the Self Test. Press [On/Off] to "pause" the Self-Test while numbers are displayed. Press [On/Off] again to "resume"

SETUP # \_\_\_\_\_ CAL # \_\_\_\_\_

To accurately calibrate the scale, you will need a large amount of weight that has a known value. For best results you should have at least as much weight as the largest load you plan to weigh.

### **Determining the New Setup and Cal Numbers**

Zero-Balance the scale so the display reads zero.

Put the KNOWN WEIGHT on the scale platform and write down the WEIGHT DISPLAY.

Perform the following equation to find the ACCURATE CAL #.

$$\frac{\text{KNOWN WEIGHT}}{\text{WEIGHT DISPLAY}} \times \text{EXISTING CAL \#} = \text{ACCURATE CAL \#}$$

**Example:**

The KNOWN WEIGHT is 1000lbs, but the WEIGHT DISPLAY is 950lbs. The EXISTING CAL # is 776.

$$\frac{1000}{950} \times 776 = 817$$

**817** is the ACCURATE CAL #. The setup number does not change.

**To Enter a New Setup and Calibration Number**

Do not attempt to calibrate the scale if the indicator is not reading stable weights. The calibration procedure will not fix instability, inconsistencies, or flashing "RANGE" messages.

***OBTAIN CURRENT SETUP AND CALIBRATION NUMBER***

Before continuing, first write down the current SETUP and CAL numbers of your StockWeigh indicator. These numbers are displayed during the Self Test.

To run the self test with the indicator already ON:

1. Press [Net/Gross], then [On/Off] to start the Self Test.
2. Press [On/Off] to "pause" the Self Test while numbers are displayed.
3. Press [On/Off] again to allow the self-test to complete normally.

SETUP # \_\_\_\_\_ CAL # \_\_\_\_\_

**SHORT FORM CALIBRATION**

The Short Form Setup & Calibration procedure allows you to change the "SETUP" and "CAL" numbers of the indicator. You may want to perform this procedure if the indicator is being connected to different load cells or if the scale is inaccurate and you have some accurate known weights to use for calibrating the scale.

1. Press and hold [ZERO] and press [On/Off] for 3 seconds to enter the short form calibration. The display will flash "SETUP" and then display the 6-digit setup number with the right digit flashing. To modify the setup number:
2. Press [GROSS/NET] several times to increment the digit to its proper value.
3. Press [TARE] to advance the blinking digit to the left.
4. Repeat steps 1 and 2 for each digit as required.
5. Press [On/Off] to enter the new setup number and display the calibration number.
6. Repeat steps 1 and 2 to modify the calibration number.
7. Press [On/Off] to enter the new calibration number and the display will go back to normal.
8. Verify the accuracy of the scale and the procedure is complete!



## **APPENDIX B**

### **WEIGH METHODS**

Select weigh method #4 for animal weighing. If you choose to use the StockWeigh 600 for weighing dead loads, you can still use the Lock-On Weigh method but you may wish to use one of the other methods listed below.

#### **General - Weigh Method #1**

The General weigh method is an all-purpose weigh method for weighing dead loads. It is used for most applications.

#### **Slow - Weigh Method #2**

The "Slow" weigh-method attempts to provide higher accuracy by filtering many weight samples over a longer period. This method is for weighing dead loads.

#### **Fast - Weigh Method #3**

The Fast weigh method is more sensitive to weight changes than the other weigh methods. When a weight changes quickly, the Fast method tries to determine the new weight as quickly as possible. This method is for weighing dead loads.

#### **Lock-On - Weigh Method #4**

Set to "LOCKON" for animal weighing, this allows scale to weigh active animals and display an accurate weight that does not fluctuate. Set to "OFF" for weighing dead weights. Lock-On sensitivity can be adjusted using the "LOCKON" menu.

Once the actual weight is displayed, the scale "Locks-On" to the displayed. Weight does not change, even if the motion never stops. A small 'L' appears on the left side of the display indicating the weight is "Locked-On." The animal's weight must be greater than 2.5% of the scales "capacity" weight before the system can "Lock-On."

In order to break the lock, 50% of the displayed weight must be either added or removed from the scale. The "Locked-On" weight can be "rechecked" by pressing [ZERO] on the front panel. This breaks the "lock" and the scale recalculates the weight.

*NOTES: Setting the Weigh Method in the Long Form does not affect the Display Unit LB-KG.*

*In Weigh Method #1, #2 and #3 the ZTRACK (zero-tracking) removes up to 0.05% of the scale capacity (as shown in setup). In Weigh Method #4, the weight that can be removed is set to 5lbs(2.2kg).*

## **APPENDIX C**

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### **WEIGHING ERRORS**

#### ***OVRCAP* OVER CAPACITY LIMIT**

The display shows the message "OVRCAP" if the weight on the scale system exceeds the capacity limit. The capacity value is entered in SETUP to warn of overloading the scale system.

#### ***+RANGE* OVER RANGE**

The display shows the message "+RANGE" if the weight on the scale system exceeds the maximum weight measurable by the scale system. The over range value is always the system's maximum A/D counts multiplied by the scaling factor. The actual weight at which over range occurs depends on the calibration, zero, and display count size.

#### ***-RANGE* UNDER RANGE**

The display shows the message "-RANGE" if the weight on the scale system is less than the minimum weight measurable by the scale system. The under range value is always the system's minimum A/D counts multiplied by the scaling factor. The actual weight at which under range occurs will depend on the; calibration, zero, and display count size.

#### ***LO BAT* LOW BATTERY INDICATION**

If the supply voltage drops below the (10.5 Volts), the message "RECHARGE BATTERY - TURNING OFF" and "LO BAT" will periodically show on the display to alert the operator of the low battery condition.

**Warning!** Disconnect the indicator power cord before jump-starting or fast charging a battery.



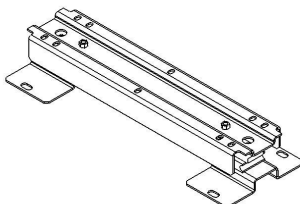
Disconnect all indicator leads before welding on equipment. Damage may occur to the indicator and load cells.

### **SELF TEST**

Press [Gross/Net] then [On/Off] during normal system operation to start the self-test.

## **APPENDIX D**

### **STOCKWEIGH LOAD CELLS**



**LOAD CELLS WITH CONNECTORS:**

Model 3300 16" – P/N 148042 24" – P/N 146769 33½" –  
P/N 400144

Model 6600 33½" – P/N 400058 44" – P/N 400006

**LOAD CELLS WITHOUT CONNECTORS:**

Model 3300 16" – P/N 403481 24" – P/N 403482 33½" –  
P/N 403483

Model 6600 33½" – P/N 403484 44" – P/N 403485

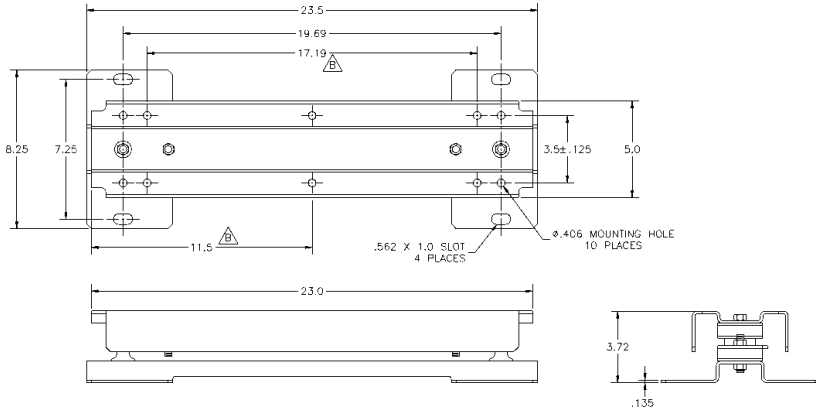
Model 14,000 P/N 400161

### **StockWeigh Load Cell Specifications**

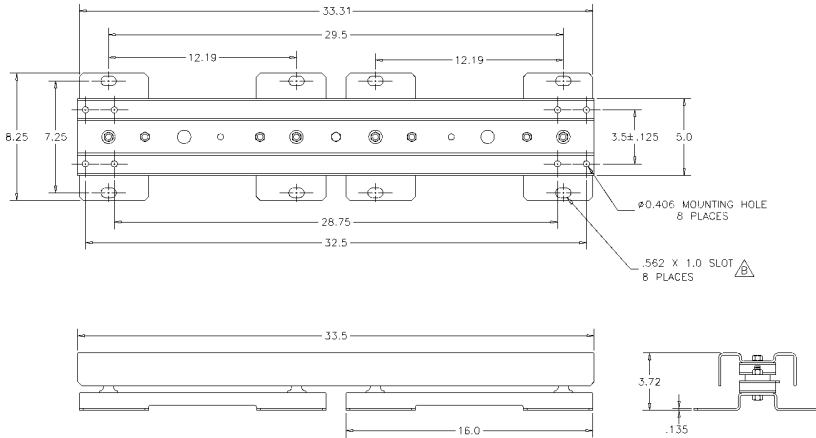
<b>GROSS CAPACITY</b>	<b>RESOLUTION (FOR BOTH MODELS)</b>		
Model 3300: 3300 lbs. Maximum	<u>Increment</u> <u>Range</u>		
Model 6600: 6600 lbs. Maximum	1 lbs or kgs	0-300 lbs or kgs	
<b>ACCURACY:</b> ±1% and ±1Display Increment	2 lbs or kgs	300-600 lbs or	
<b>OVERALL DIMENSIONS</b>	kgs	⇔	600 lbs or
Model 3300: 3¾" H x 8¼" W x 16, 24 & 33½" L	5 lbs or kgs		600
Model 6600: 3¾" H x 8¼" W x 33½ & 44" L	<b>POWER REQUIREMENTS:</b> 12-14 VDC @ approx 1 Amp		
<b>Load Cell Cable Length:</b> 14 Feet	<b>AC TO DC CONVERTER</b> 110 VAC to 13.8VDC @ 1.2 Amps		

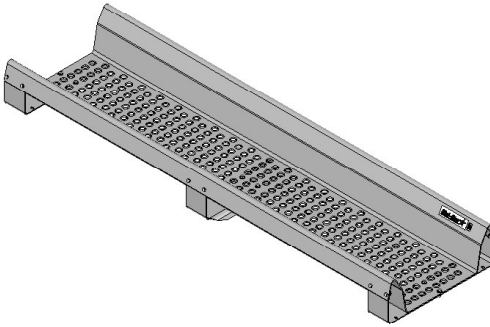
**Load Cell Dimensions**

**Model 3300**



**Model 6600**





**StockWeigh Alley Platform**  
**PN 403360**



**120 Volt AC/12 Volt DC Power Converter**  
**PN 403526**

## **APPENDIX E**

### **SCOREBOARD METHODS**

There are ten scoreboard methods available. Methods one thru six sends numeric display data out the RS232 port periodically while the other methods send a data stream as described below.

1. Transmit numeric display data once per second.
2. Transmit numeric display data two times per second.
3. Transmit numeric display data three times per second.
4. Transmit numeric display data at the A-D conversion rate.
5. Transmit numeric display data at the display rate.
6. Transmit numeric display data whenever there is a display weight change.
7. Transmit status data string every second. Status data string includes weight, rotation counter data, date and time.
8. Transmit status data every five seconds. Status data string includes weight, rotation counter data, date and time.
9. Reserved.
10. Transmit EID data string every 2 seconds.

*NOTES: When using SCOREM = 1, 2, 3, 4, 5, 6 and 9 be sure to set LSTORE = OFF, TAREAP = OFF and APRINT = OFF to avoid corrupted data when transmitting scoreboard data and printing scale data.*

*When using SCOREM = 7, 8 and 10, print data will not be corrupted by scoreboard data.*

*With COM IN set to EZ2CMD the port configuration is: 9600 Baud, 1 start bit, 7 data bits, 1 even parity bit and 1 stop bit.*

*With COM IN set to EZCMD the port configuration is: 1200 Baud, 1 start bit, 7 data bits, 1 even parity bit and 1 stop bit.*

# **APPENDIX F**

## **EID DATA FORMATS**

*NOTE: The StockWeigh 600 does not support EID (Electronic Identification) data collection or memory storage.*

Data is output thru the computer port to be printed. There are many different data formats to choose. The “LSTORE” mode can configure the print format automatically or allow the user to set the print format by using the “PRTFMT” menu.

### **LSTORE Data Formats**

Use the “PRTFMT” menu in the following three “LSTORE” modes:

- |        |   |              |                            |
|--------|---|--------------|----------------------------|
| OFF    | } | Manual Print | See “PRTFMT” on next page. |
| MANPRT |   |              |                            |
| AUTPRT |   |              |                            |

The following “LSTORE” modes automatically configure the print format for animal weighing with EID data.

- |        |   |               |                            |
|--------|---|---------------|----------------------------|
| MAN WT | } | Manual Weight | See EID Print Format below |
| AUTOWT |   |               |                            |

### **EID Print Format**

EID print data is transmitted out the COMPUTER port on the bottom of the indicator while weighing animals.

*NOTE: When using computer port for EID data, make sure SCOREM is set to “0”, TAREAP is set to “OFF” and APRINT is set to “OFF”.*

C>XXXXX>X>XXX>XXXXXXXXXXXXX,  
XXXXXX,LB,\$,GR,mm/dd/yy,hh:mm,Z<cr><lf>

**EXAMPLES OF EID PRINT FORMAT:**

A 00000 0 982 000017383201,<cr><lf>  
890,LB,\$,GR,8/27/03,10:15,<cr><lf>

A 00000 0 982 000017383201,<cr><lf>  
1001,LB, ,GR,8/27/03,10:21,M<cr><lf>

EID Print Data Format always uses date format #2 and 24-hour time format as shown.

**PRINT FORMATS**

PRTFMT is active when "LSTORE" is set to "OFF", "MANPRT" or "AUTPRT". Following is a detailed explanation of the print formats that are available on the StockWeigh 600. Some are Comma Separated Values (CSV) that make it easier to input scale data into PC Spreadsheet and Data Base programs.

*NOTE: The appearance of the printouts may be affected by the option settings of 1L PRT, TIME F and DATE F.*

**AUTO** If "LSTORE" is set to "MANPRT" or "AUTPRT" and "PRTFMT" is set to "AUTO", the standard EZ Indicator print format will be used.

Print example:

**09MR04 10:15**  
**880LB\$GR**

**WTONLY** Includes weight, display unit, '\$' if unit is "locked on", weight tag (GR, M+, etc.).

Ends with a <CR>, <LF> .

Print example:

**635LB\$GR**

**DOWNLD** This format is compatible with the original Downloader. Includes weight, display unit, '\$' if unit is "locked on", weight tag (GR, M+, etc.) date and time.

**DT+TM** This CSV format includes weight, display unit, '\$' if unit is "locked on", weight tag (GR, M+, etc...) and date.



Ends with a <CR>, <LF> .

Print example:

" 610, LB, , GR, 13MR02, 11:08"

ID+TM This CSV format includes ID, weight, display unit, '\$' if unit is "locked on", weight tag (GR, M+, etc...) and time. Ends with a <CR>, <LF>.

Print example:

" , 0, LB, , GR, 11:08"

IDWTTM This CSV format includes ID, weight, display unit, '\$' if unit is "locked on", weight tag (GR, M+, etc...), date and time.

Ends with a <CR>, <LF> .

Print example:

"FARM 1, 16090, LB, , GR, 27JA00, 10:37P"

ANIMAL This CSV format includes information for animal weighing.

Includes '\$' if unit is "locked-on" weight, weight tag (GR, M+, etc...), display unit, Memory Weight (RM), Average Count (Number of times M+ key was pressed), Average Weight, Gross weight on scale, ID, date and time.

Ends with a <CR>, <LF> .

Print example:

" , 1400, GR, LB, 2180, 4, 545, 1400, , 11:09, 13MR02"

3200 A See service bulletin # 19 for details.

3200 B See service bulletin # 20 for details.

32 TMR See service bulletin # 19 for details.

BATCH1 Contact Digi-Star technical support for details.

FDINFO Contact Digi-Star technical support for details.

WTRCTM This CSV format includes basic weighing information. Includes Gross Weight, display unit, weight tag (GR, M+, etc...), Total Rotation Count, Date & Time.

Ends with a <CR>, <LF> .

Print example:

" 280, LB, GR, 187, 03JL03, 3:41P"

EIDINF

This CSV format includes EID memory status information.

Ends with a <CR>, <LF> .

The response from the StockWeigh 600 Indicator will be as follows:

**"uuuuuu, UUUUUU, mmmmmm<CR><LF>"**

uuuuuu = Used Livestock EID lines (6 digits)

UUUUUU = Un-used Livestock EID lines (6 digits)

mmmmmm = Maximum Livestock EID lines (6 digits)

<CR> 'Carriage Return' [0D] hex or [13] decimal

<LF> 'Line Feed' [0A] hex or [10] decimal

Print example:

**" 157, 1379, 1536"**

EID This CSV format includes EID tag number if available, weight info, date, and time.

Print example:

860, LB, \$, GR, 03/09/04, 08:58, j

Print example (1L PRT=ON):

860, LB, \$, GR, 03/09/04, 08:58, j

*NOTE: The StockWeigh 600 does not support EID data collection or memory storage.*

## **Definitions**

{cr} ASCII control code "Carriage Return".

{lf} ASCII control code "Line Feed".

> Represents a SPACE.

Ddmmyy Date (Day, Month, & Year). See page 20 for other date formats.

hh:mm Time (hours:minutes)

A Either A (AM), or P (PM) or a space. See page xx for time formats.

X Number (0-9), or a SPACE, or a minus sign (-).

LB Either Pounds (LB), or Kilograms (KG).

\$ "\$" if "Locked-On", SPACE if not "Locked-On".

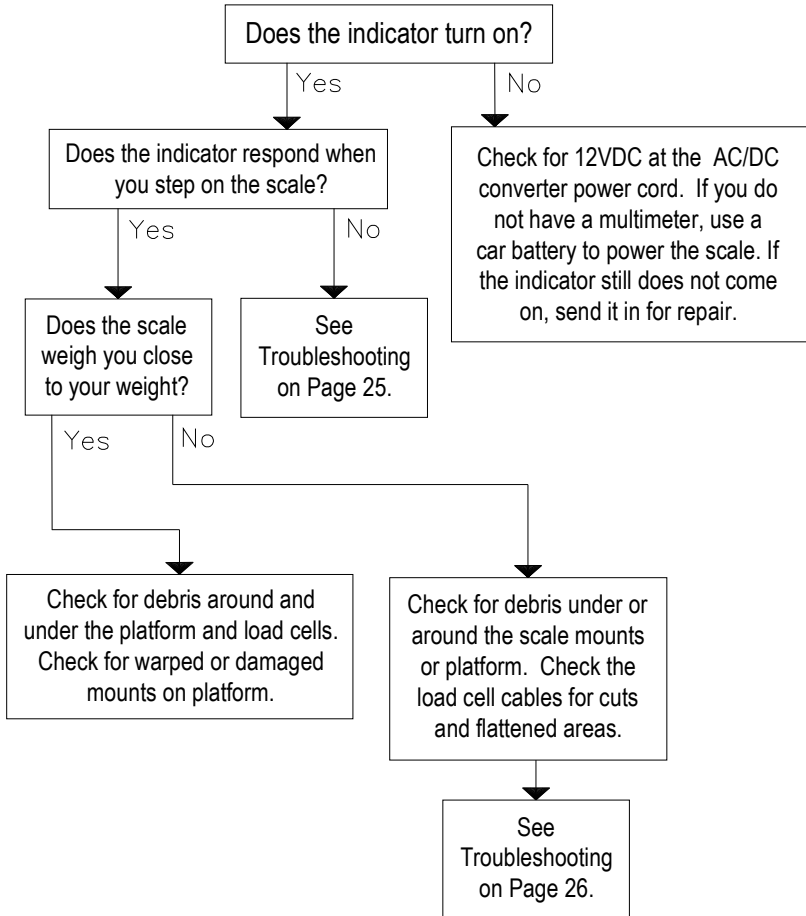
GR Either Gross (GR) or Net (NE).

Z Checksum character.

C An alphanumeric character.

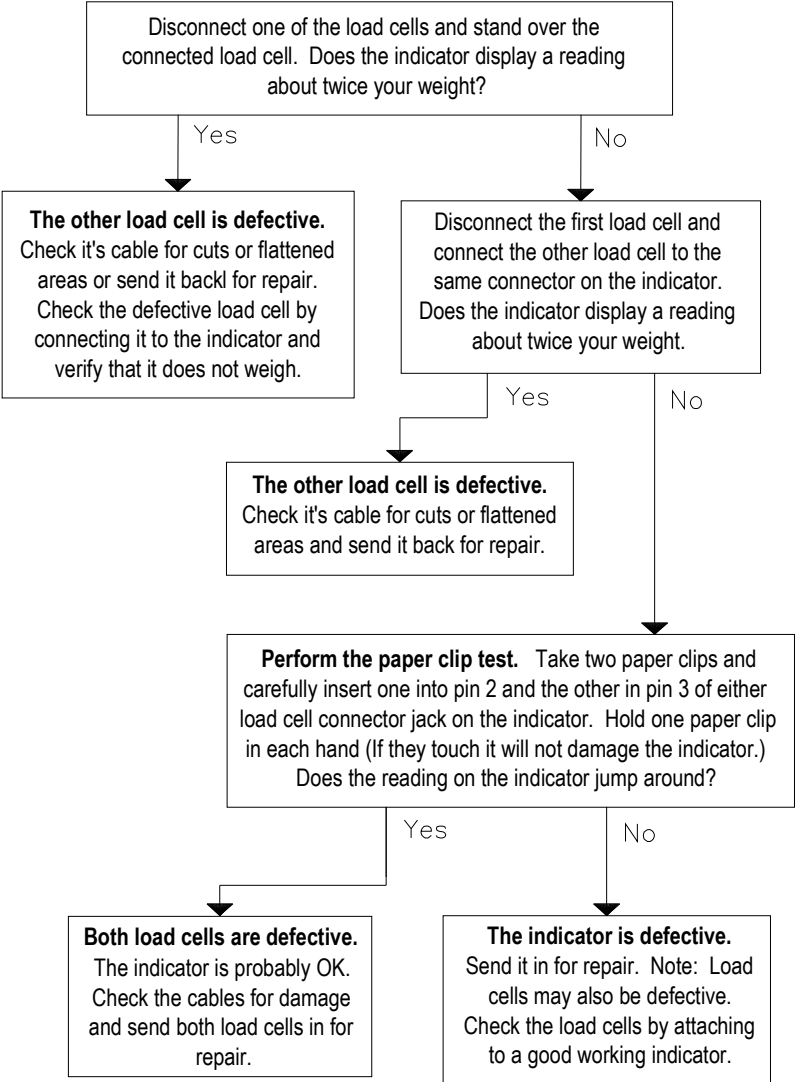
# **APPENDIX G**

## ***TROUBLESHOOTING GUIDE***



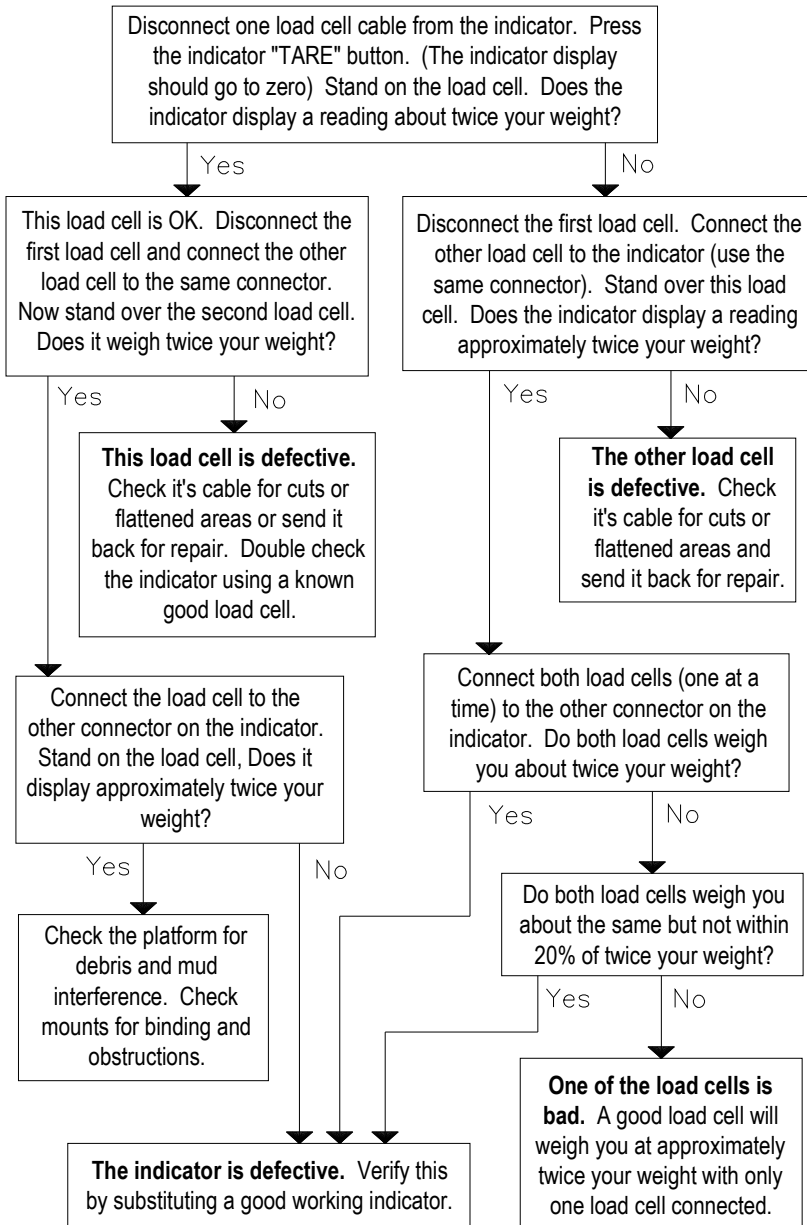
# Troubleshooting Guide

Indicator Does Not Respond When You Step on the Scale



## Troubleshooting Guide

The Scale Weighs Close to Your Weight



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