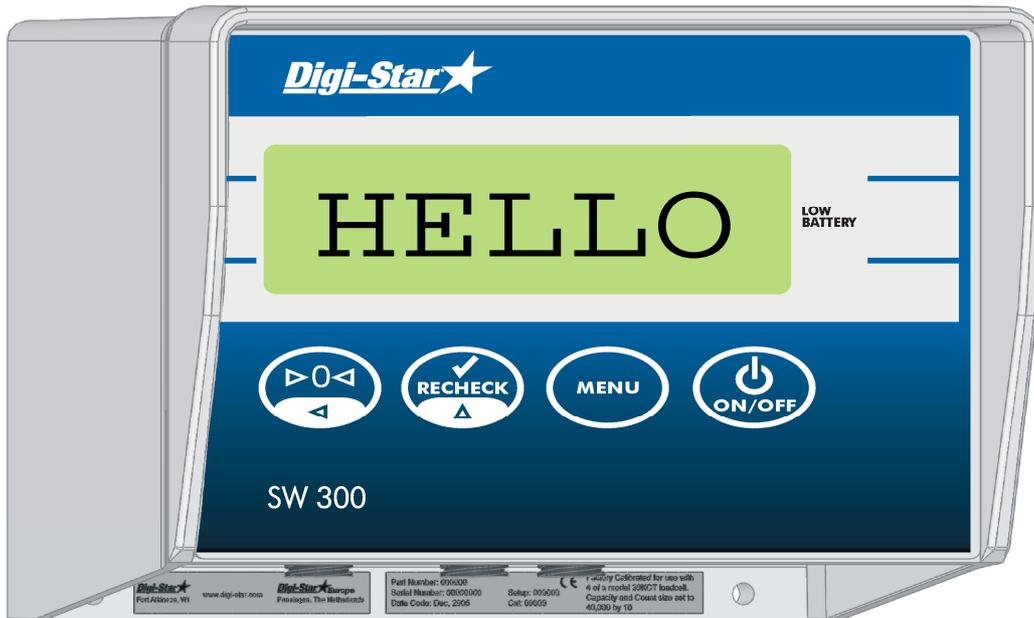




Stock Weigh 300 Operators Manual



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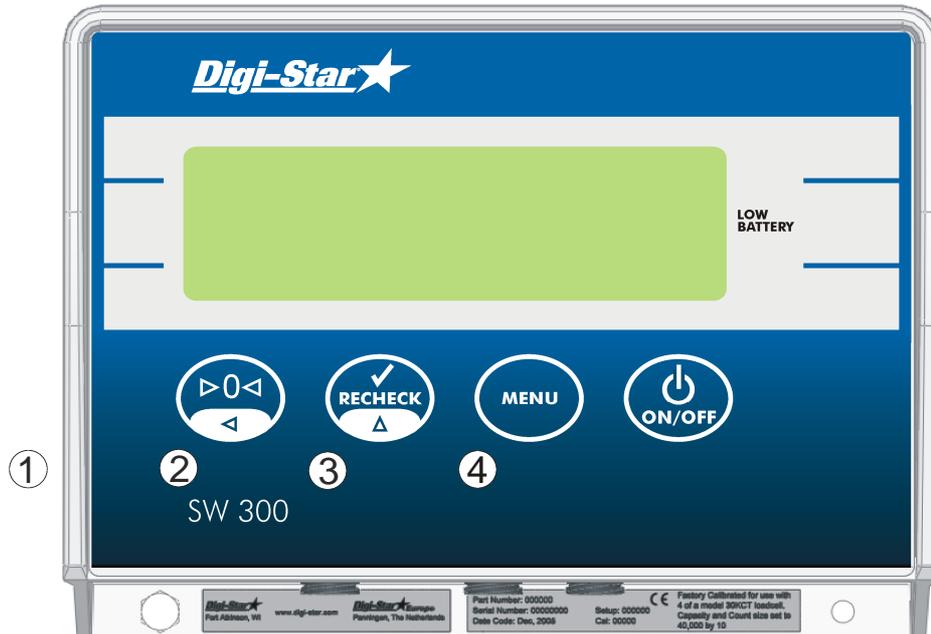
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Front Panel Overview



Note: See page 19 for installation instructions

- ①  – press and hold to zero balance.
- ②  – reweigh if scale is locked on.
- ③  – press and hold for setup menu.
- ④  – turns indicator on/off.
- ⑤ Display Window – Displays current weight or action.

Bottom Panel Connections

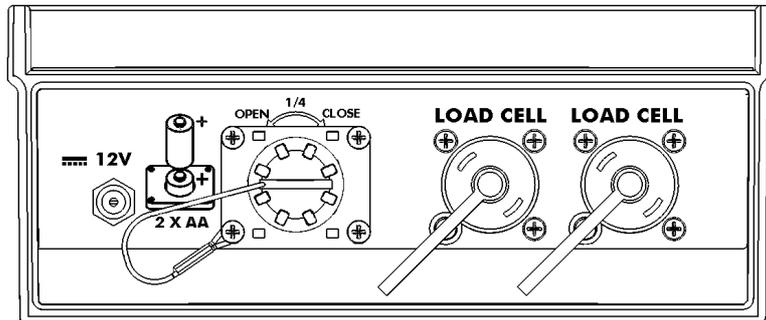
The bottom panel has a battery holder, a power connection and load cell connections. Three different load cell connection configurations are available:

- Two load cell connectors (for use with J-Box or Load cells with connectors).
- Two liquid-tight connectors (for use with two bare-wire load cell cables)
- Two dual liquid-tight connectors (for use with up to four bare wire load cell cables)

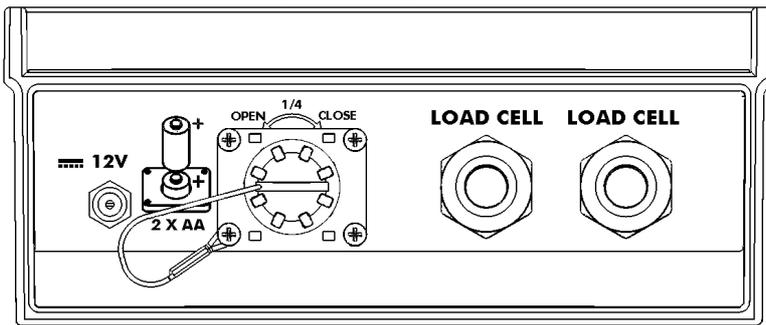
Power Connection

Use only the 12 Volt AC-DC converter supplied with your Stock Weigh 300.

SW300 W/ Load Cell Connectors

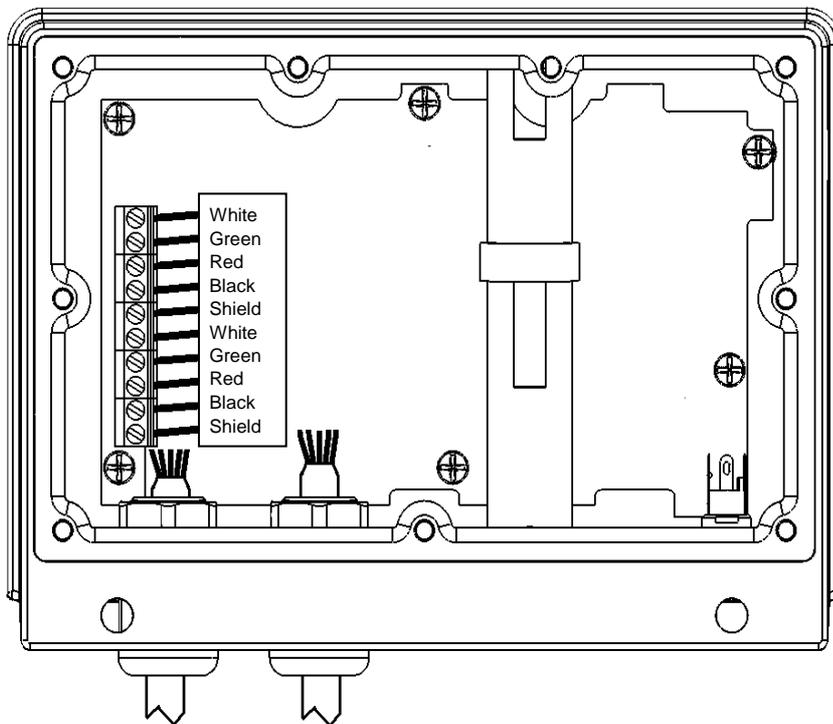


SW 300 W/Liquid Tight Fittings

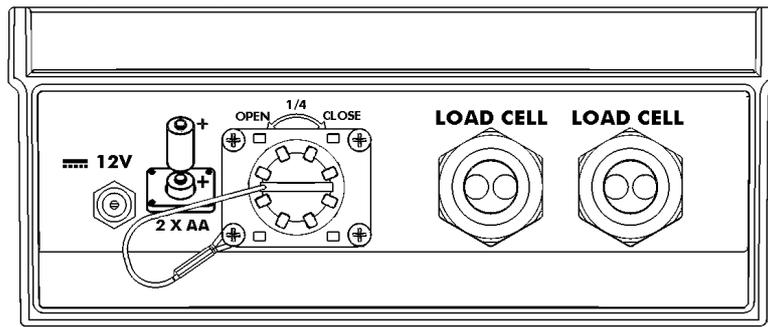


Connecting Load Cell Wires in Indicator

- Remove the back cover (nine screws)
- Feed the load cell wires in through the liquid-tight connectors
- Connect one wire to each terminal as shown
- Install the back cover (nine screws)

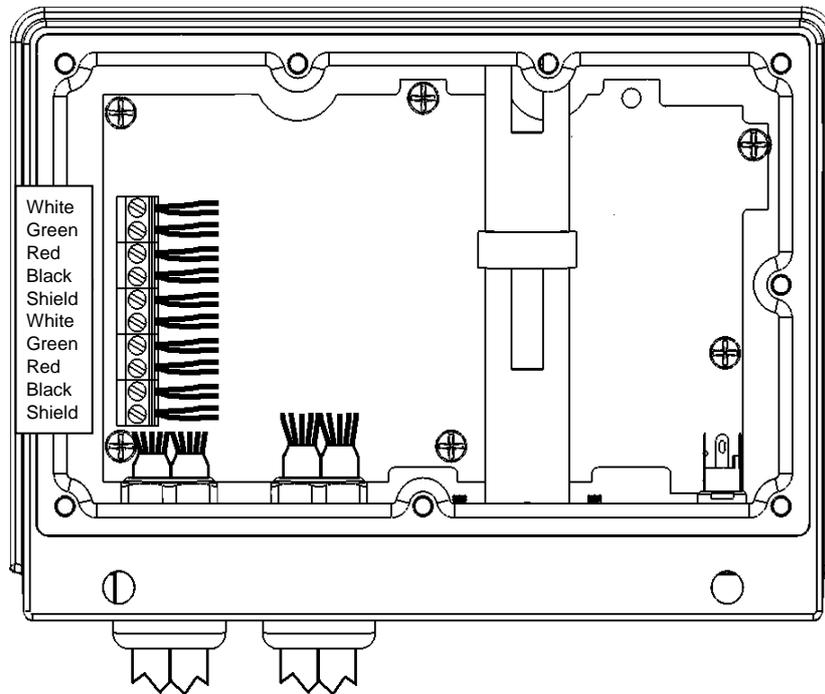


SW300 W/Dual Liquid Tight Fittings



Connecting Load Cell Wires in Indicator

- Remove the back cover (nine screws)
- Feed the load cell wires in through the liquid-tight connectors
- Connect two wires to each terminal as shown. Tighten snugly.
- Install the back cover (nine screws)



Batteries

- Use AA Batteries
- Insert batteries negative (-) end first.
- Batteries are not necessary if using an AC power adapter.

Rechargeable Batteries

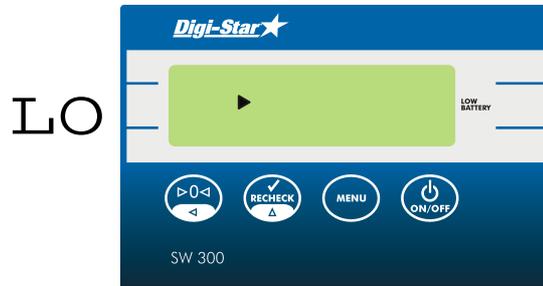
- Rechargeable batteries may be used.
- Rechargeable batteries will show a lower charge level when fully charged.
- The SW300 does not charge batteries.

Battery Life

- Percent of remaining battery life is displayed at power-up.
- To extend battery life, select a lower backlight level or OFF. See instructions below.

Low Battery Indication

- Low Battery message and arrow is displayed when battery low.
- Rechargeable batteries may cause low battery indication to appear earlier than necessary.



Battery Life

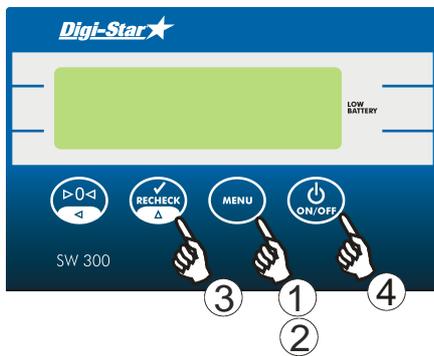
BAKLIT	Estimated Operating Battery Life (Hours)
OFF	40-60
TIME 3	30-55
ON 3	25-45
ON 5	8-16

Backlight Settings

The Backlight can be set of one of the following settings. When set to TIME, the backlight turns off ten seconds after the last key-press.

OFF	ON 1
TIME 1	ON 2
TIME 2	ON 3
TIME 3	ON 4
TIME 4	ON 5
TIME 5	

Change the Backlight Setting



1. Press and hold **MENU** for 3 seconds (ZTRACK is shown).
2. Press **MENU** repeatedly until BAKLIT is shown. The current backlight setting will be displayed.
3. Press **RECHECK** repeatedly until the desired setting is displayed.
4. Press **ON/OFF** to save the setting.

Weigh Methods

Select “Lock On” for animal weighing. Use “General” for general weighing.

General Weigh Method

All purpose weigh method for weighing stable loads. It does not “Lock On” the weight.

Lock-on Weigh Method

Weighs active animals and displays stable accurate weight. Lock-On sensitivity is adjusted using “LOCKON” menu (See Pg 13).

- Scale “Locks-On” to weight.
- Weight is displayed stable, even if motion never stops.
- Small ‘L’ appears on left side of display indicating weight is “Locked-On”.
- Animal’s weight must be greater than 0.67% of scales “capacity” (CAP) before system can “Lock-On”.

Example: If “CAP” = 4000, 27 or more is required for scale to lock-on.

Note: Use a weight value for Zero Tracking (Z_{TRACK}) that is less than 0.67% of capacity.

To break lock, add or remove WEIGHT FROM SCALE PLATFORM. The default setting is 50%.

- The weight value that is used to “break the lock” and return to normal weighing can be selected by choosing a value from 01 to 99%. (See Pg 13) For example, if unlock is set to 10(%) and weight is locked at 1000, display will “unlock” and return to normal weighing at 900, once 10% (100) is removed.
- “Locked-On” weight can be “rechecked”, press  this breaks “lock” and scale recalculates weight.

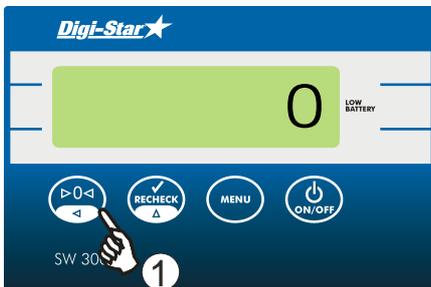
Operation

Turn on Indicator



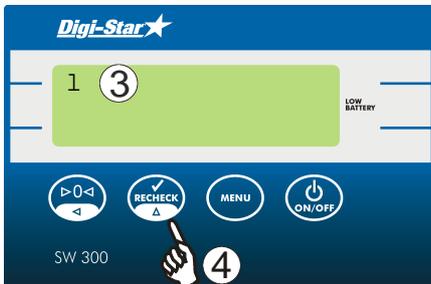
1. Press .
2. To turn "OFF" press and hold .

Zero Balance Indicator



1. Press and hold  to zero balance the indicator.

Weighing Animals



2. Place animal on platform.
3. "L" on the left side of the display indicates that the weight is "Locked-On".
4. Press  while animal is on scale to "re-weigh" the animal.

Optional Settings

Load Cell Setup



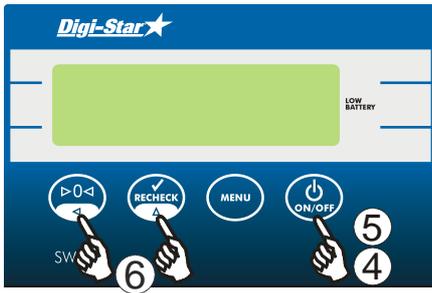
5. Press and hold and at the same time until setup is shown.
2. Press to advance through selections
3. Press to save.

	Description	CAP
3300LB	StockWeigh 3300 (pounds)	4,000
6600LB	StockWeigh 6600 (pounds)	7,000
SB4 LB	StockWeigh 1250 (pounds)	10,000
10K LB	StockWeigh 10000 (pounds)	10,000
14K LB	StockWeigh 14000 (pounds)	15,000
3300KG	StockWeigh 3300 (kilograms)	1,999
6600KG	StockWeigh 6600 (kilograms)	2,999
SB4 KG	StockWeigh 1250 (kilograms)	5,000
10K KG	StockWeigh 10000 (kilograms)	5,000
14K KG	StockWeigh 14000 (kilograms)	6,999
Other	Other load cell (Use Dead Weight Cal.)	_____

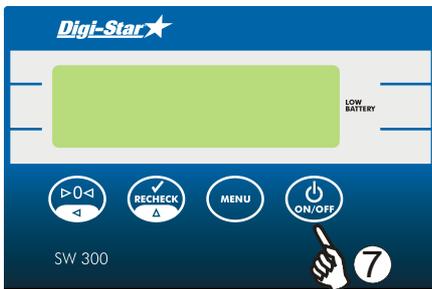
Calibrating Scale Using Known Weights



1. Press and hold and at the same time to enter setup menu.
2. Press repeatedly to scroll down to OTHER and press .
3. Press to zero balance the scale.

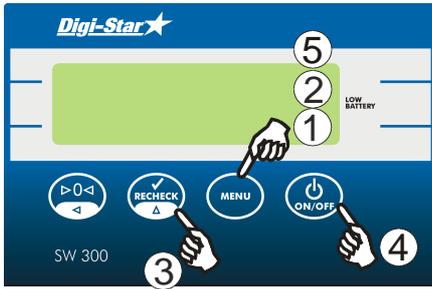


4. Then press .
5. Add a known weight and press .
6. Change displayed weight by pressing to change value of "flashing" digit and press key to select which digit of display is flashing.



7. When display reads correct weight, press to store calibration value.

Setting Options



1. Press and hold **MENU** for 3 seconds.
2. Press **MENU** repeatedly until desired menu shows.
3. Press **RECHECK** to change setting.
4. Press **ON/OFF** to save setting and advance to next menu.
5. Press **MENU** repeatedly until indicator returns to weighing mode to exit.

Setting/ Display	Options (Bold = Default)	Description
Zero Tracking (ZTRACK)	1-99/ OFF	Adjusts to zero for build-up of snow, mud and manure. Weight value can be set from 1 to 99 lbs/kgs or OFF (00).
Weigh Method (W MTHD)	GENERAL, LOCK	Select weigh method.
Lock-On (LOCKON)	0.50, 0.75, 1.00, 1.25, 1.50, 1.75, 2.0, 5.0 , 10.0	Higher value will lock on quicker but sacrifice accuracy. Use lowest setting that will consistently lock-on to the same weight for a restless animal.
Unlock	01-99(50%)	The percent of weight required to break the lock and return to normal weighing.
Lock-N-Hold (LKNHLD)	ON/ OFF	Holds "Lock-On" weight Restarts when next animal steps on.
Auto Off (AUTOFF)	15,30,45,60, OFF	Indicator shuts "OFF" after set period of inactivity.
Display Count (COUNT)	.01,.02,.05,.1,.2,.5, 1,2,5,10,20, 50,100	Select display count size (resolution) of scale.
Auto-Range (ARANGE)	ON/ OFF	Scale increases display count size for weights over 300 again at 600 lbs/kgs.
Display Unit (LB-KG)	LB/KG	When changing weight unit calibration adjusted so scale displays accurately in new display unit
Capacity (CAP)	04000	Enter maximum weight measurable
Span (SPAN)	75%-125%	Displayed weight value can be adjusted by increasing or decreasing the SPAN percentage.

Setting/ Display	Options (Bold = Default)	Description
Back Light (BCKLIT)	OFF TIME 1 TIME 2 TIME 3 TIME 4 TIME 5 ON 1 ON 2 ON 3 ON 4 ON 5	Backlight Intensity, see page 8.

Weighing Errors

Over Capacity Limit (OVRCAP)

- Weight on scale exceeds capacity limit. Capacity value is entered in SETUP to warn of overloading.

Over Range (+RANGE)

- The display shows message "+RANGE" if weight on scale system exceeds maximum weight measurable by scale system.

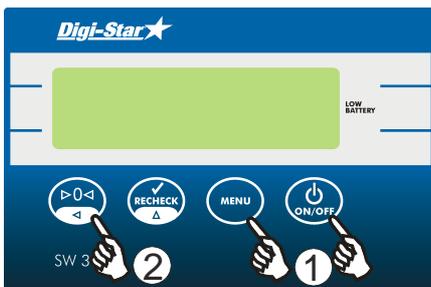
Under Range (-RANGE)

- Display shows message "-RANGE" if weight on scale system is less than minimum weight measurable by scale system.

Self Test

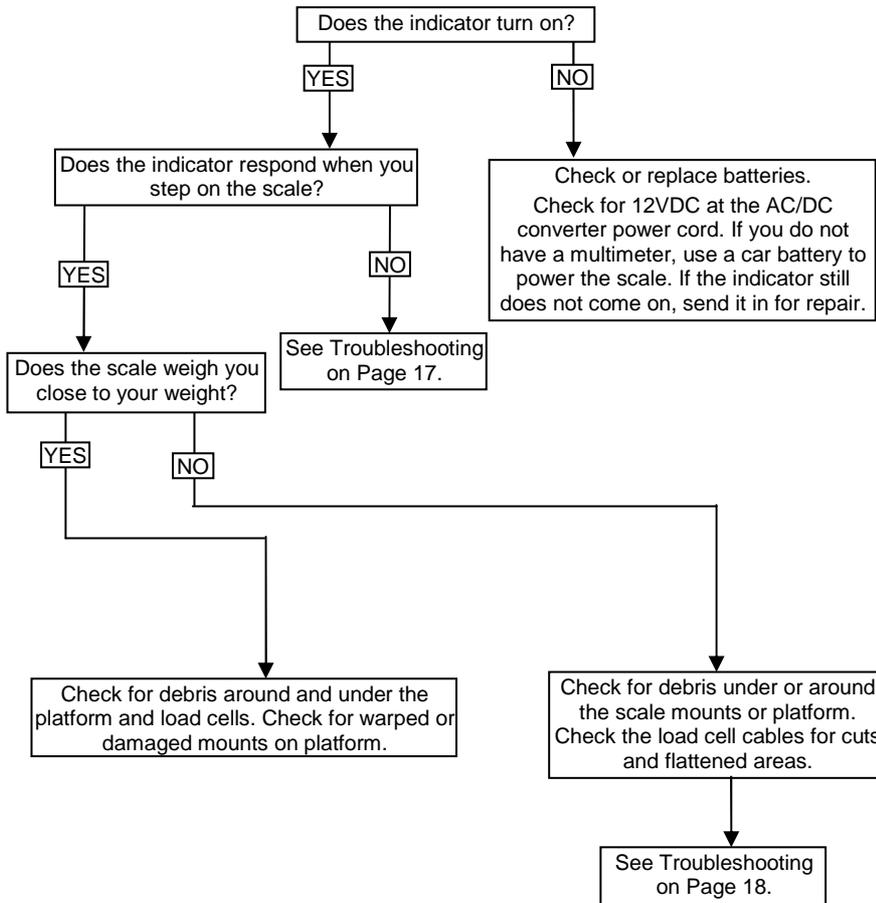
Displays diagnostic tests to aid in troubleshooting.

- Shows battery level
- Shows load cell setup
- Tests display segments
- Shows program ID
- Allows key test

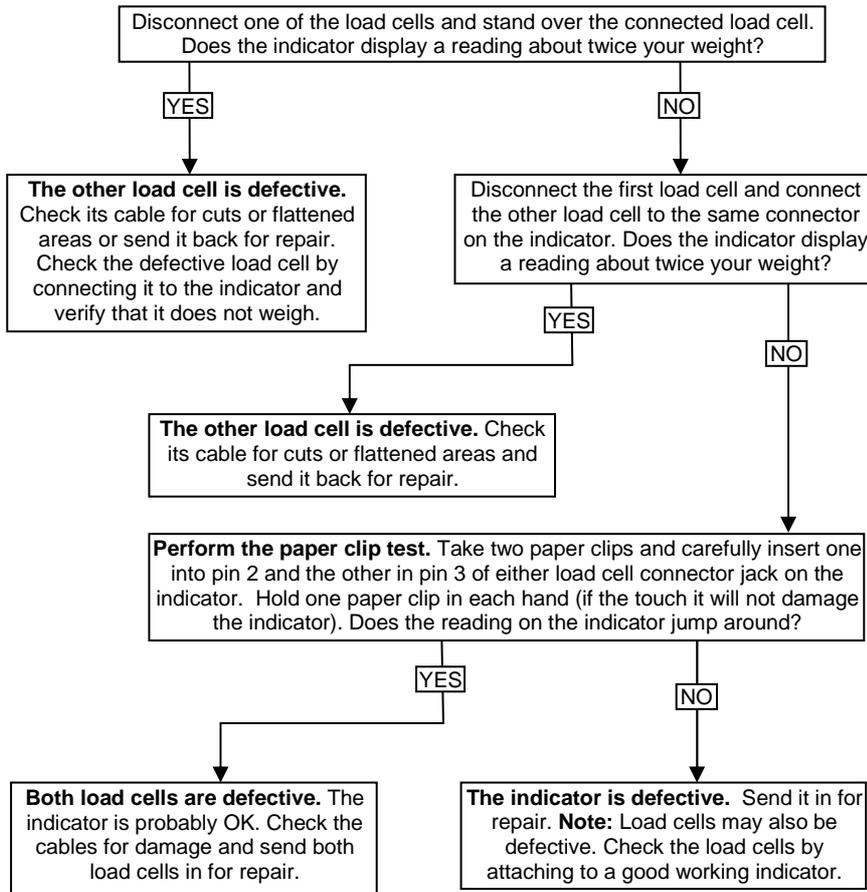


1. Press  and within three seconds press  to start self test.
2. Press  to exit test.

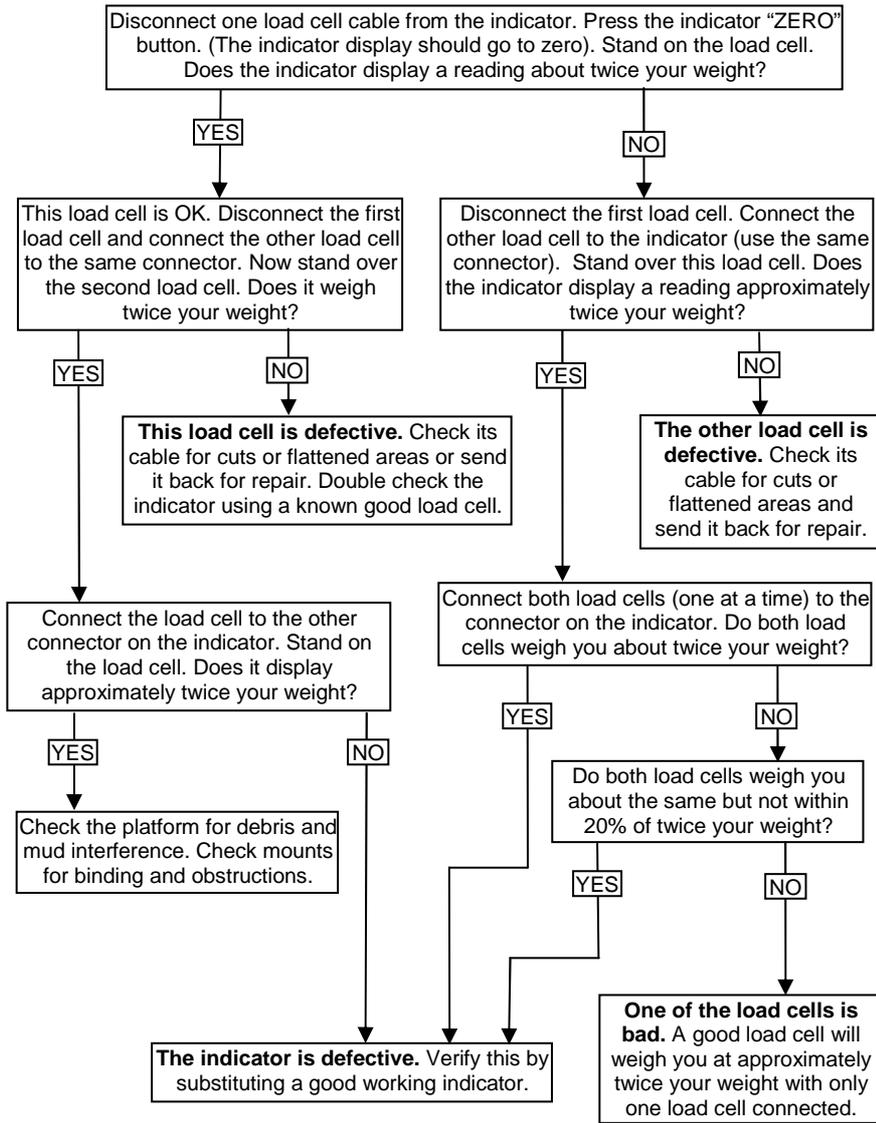
Troubleshooting



Indicator Does Not Respond When You Step on the Scale



The Scale Weighs Close to Your Weight



Installation

Indicator Mounting

RAIL MOUNT		WING MOUNT	WEDGE MOUNT STANDARD
KEY	PART NUMBER	DESCRIPTION	
A	403769	BRACKET – STR TOP MOUNT	
B	403980	BRACKET – ROBO MOUNTING	
C	403770	BRACKET – WING MOUNT	
D	405069	U-BOLT, ¼-20 X 3.25 ZP	
E	403771	MODIFIED PLASTIC WEDGE MOUNT	
F	405124	WEDGE MOUNT BRACKET, INCLUDES U-BOLTS & NUTS	
G	405084	NUT, ¼-20 TOP LOCKING FLANGE	

Optional Ram Mounting

RAM MOUNT STANDARD		U-BOLT BASE	TWIST LOCK SUCTION CUP
KEY	PART NUMBER	DESCRIPTION	
A	403180	RAM MOUNT	
B	403179	MOUNT BASE-1" BALL U-BOLT	
C	404230	RAM SUCTION CUP W/TWIST LOCK	