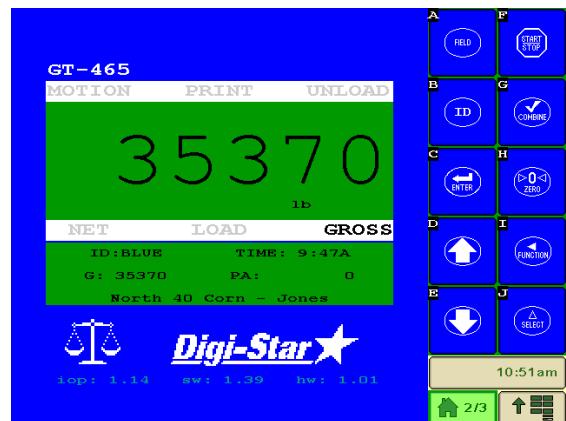
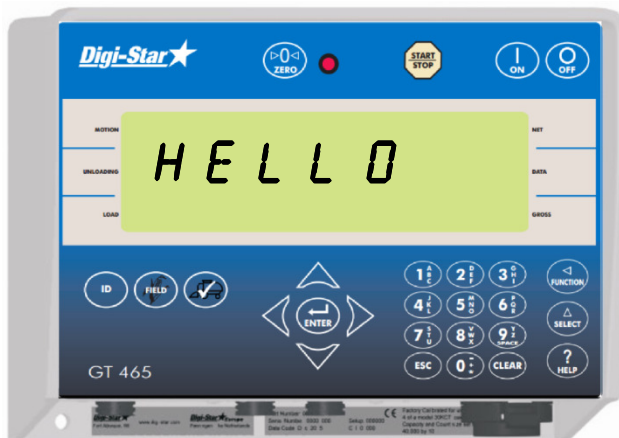


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GT465 Operators Manual



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Ft. Atkinson, Wisconsin USA

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Pannigen, The Netherlands

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GT465 FEATURES

Weighing/ Data Center

The GT465 indicator serves as a weighing and data transfer center that can be connected to today's ISOBUS Virtual Terminals (VT). Weighing information is displayed on the virtual terminal and all data transfer takes place at the GT465 indicator. Weight, date, time and additional notes are all stored automatically at the GT465 with AutoLog.

The GT465 also serves as a display for the combine operator to view while loading the cart. If issues arise with the virtual terminal the system can be operated from the GT465.

Preset Active Signal

Preset Active Signal uses a combination of settings to program the 12 volt Alarm Out relay, with the ability to enter a preset weight. With this programming control, the GT465 can be connected to a variety of accessories such as external alarms, hydraulic solenoids, and other electronics. The preset weight is activated by AutoLog for use of more hands free applications.

USB Port

USB flash drive has capacity to hold thousands of data records and allows easy data transfer to your office PC. Records can be stored for an entire season in the indicator memory and transferred on one 256 Megabyte or larger USB flash drive.

Grain Tracker™

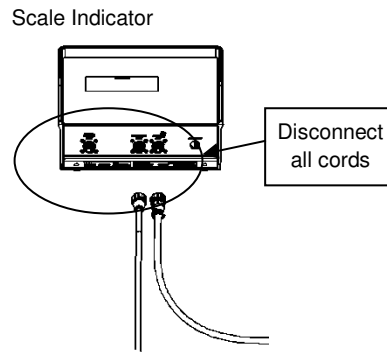
Grain Tracker™ software provided with GT465 indicator (on the USB flash drive included) allows generation of a variety of reports on your PC. Reports can be read by programs such as Microsoft Excel™, Adobe Acrobat™ and Microsoft Internet Explorer™.

Memory Capacity – 13,000 Loads

Virtual Terminals

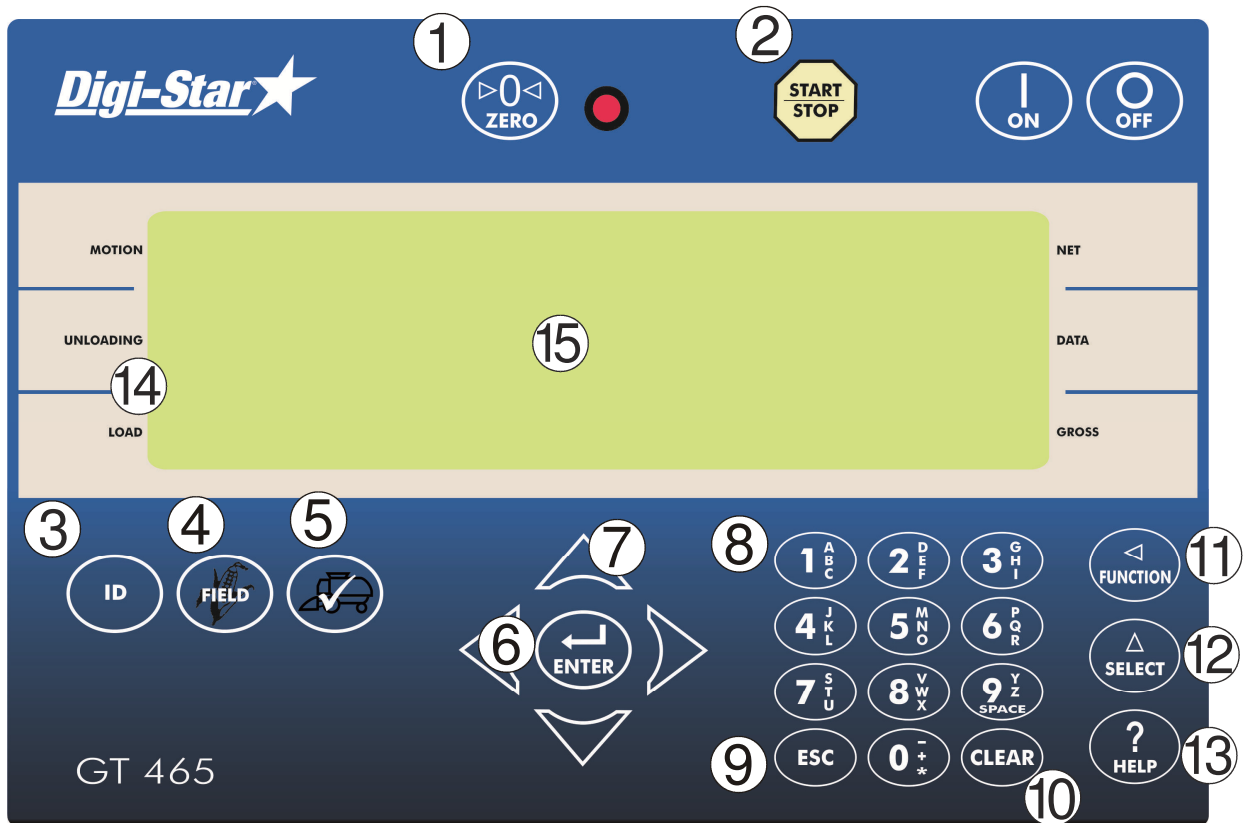
The GT465, when connected to the ISOBUS should be detected by the virtual terminal. If not, check all connections and that the GT465 is powering up. If no issues are found, please contact the virtual terminal manufacturer for more troubleshooting tips or terminal updates.







CHARGING BATTERY OR WELDING








Important: Disconnect all indicator leads before charging battery or welding.
Damage may occur to indicator and load cells.

INDICATOR OVERVIEW



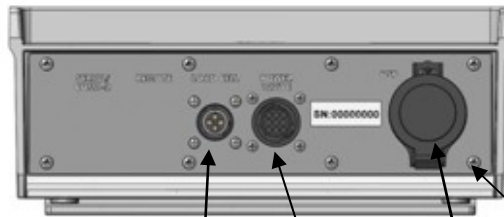
- ①  - Press and hold to zero balance the scale
- ②  - Start or stop unloading operation
- ③  - Enter and exit ID screen (page 9)
- ④  - Enter and exit FIELD screen (page 8)
- ⑤  - Check combine yield monitor (page 24)
- ⑥  - Accept change or proceed to next item
- ⑦ Directional Arrows – Left or right arrows move cursor inside data field. Up and Down arrows move to previous or next data field. List scrolls faster the longer the Up/Down arrow is held
- ⑧ Number Keys

- ⑨  - Escape or undo last data change
- ⑩  - Delete one character in data entry field. Press and hold to delete entire data entry contents.
- ⑪  - Performs task displayed by select
- ⑫  - Scroll thru function key operation
- ⑬  - For additional information
- ⑭ Unloading/Loading indicator – arrow icon displayed during loading and unloading operations.
- ⑮ Main Display area

INDICATOR DISPLAY SCREENS

The GT465 acts as a remote display, but can perform all scale operational functions normally done on the Virtual Terminal. The main difference is the addition of the 3 line display shown on the VT.

BOTTOM PANEL CONNECTIONS








- ① Load Cell
- ② Power/ISOBUS/Rotation Sensor
- ③ USB – Port for USB Flash drive

Make sure
door snaps
shut

SELECTING FIELDS AT GT465 INDICATOR

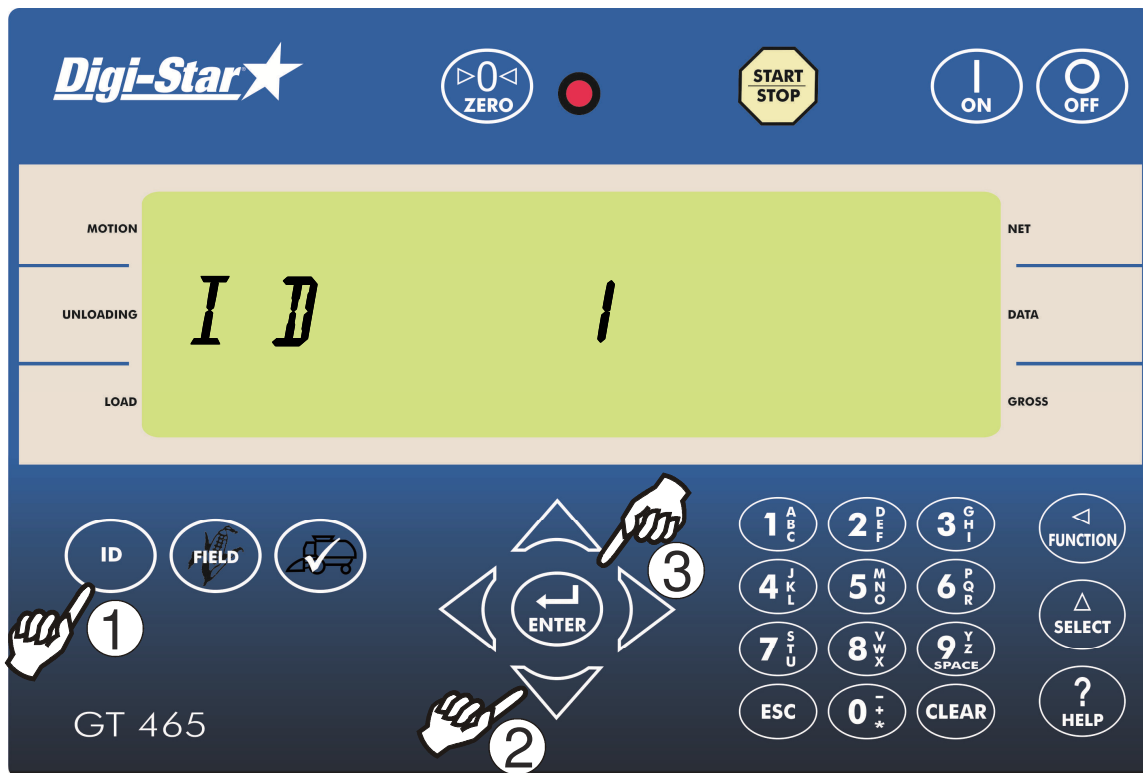
NOTE: Field names can be uploaded from a PC using a USB flash drive. See page 21.






- ① Press  to select field, current field number will be shown.
- ② Up/Down Arrows – Press  or  to scroll through fields (150 maximum).
- ③ Press  or  to exit.

SELECTING ID'S AT GT465 INDICATOR

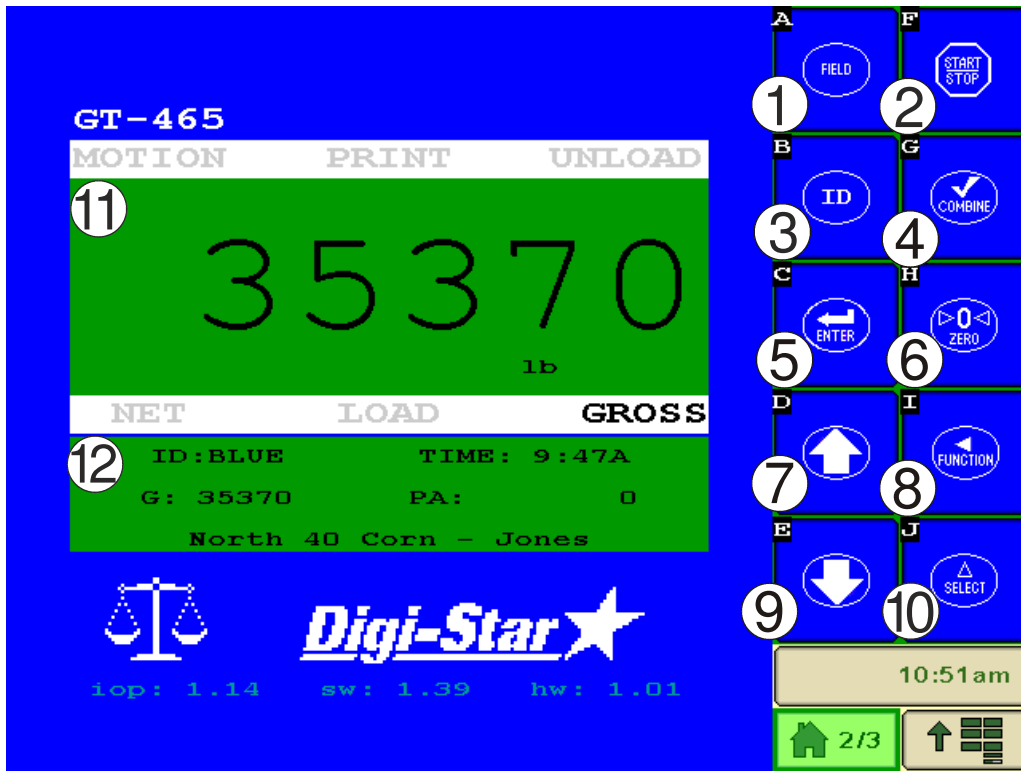
NOTE: ID names can be uploaded from a PC using a USB flash drive. See page 21.











- ① Press **ID** to select field, current ID will be shown.
- ② Up/Down Arrows – Press  or  to scroll through IDs (150 maximum).
- ③ Press  or **ID** to exit.

VIRTUAL TERMINAL OVERVIEW

NOTE: Your VT may differ from this display—i.e. key placement, layout



- ①  - Enter and exit Field Screen (page 14)
- ②  - Start or stop unloading operation
- ③  - Enter and exit ID screen(Page 15)
- ④  - Check combine yield monitor (page 24.)
- ⑤  - Accept change or proceed to next item
- ⑥  - Press and hold to zero balance the scale
- ⑦ Up Arrow - Up arrow moves to previous date field
- ⑧  - Performs ask displayed by select

- ⑨ Down Arrow – Down arrow move to the next data field
- ⑩  - Scroll thru function key operation
- ⑪ Upper Display Window – Display current actions or weight – 6 characters.
- ⑫ Lower Display – Displays recorded data – 26 characters x 3 rows

VIRTUAL TERMINAL DISPLAY SCREENS

Four display screens can be shown on the Virtual Terminal:

Active Screen

Statistics including ID, Time, Gross Weight, Print Accumulator and Field Name. (See page 12)

Data Record Screen

Data records including Field Name, Net Weight, Print Accumulator, ID, Date and Time. (See Page13)

Field Screen

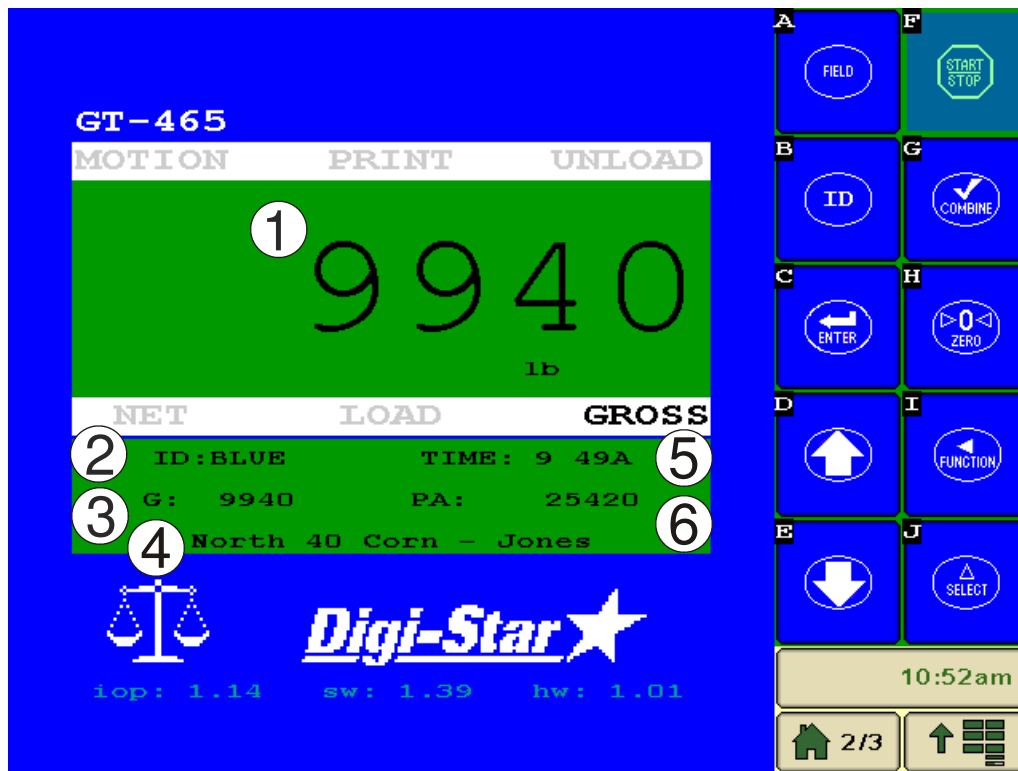
150 field names are available and can be modified using the keypad. (See Page 14)

ID Screen

150 ID names are available and can be modified using the keypad. See (Page 15)

ACTIVE SCREEN

NOTE: The VT needs to be on this screen before loading or unloading.





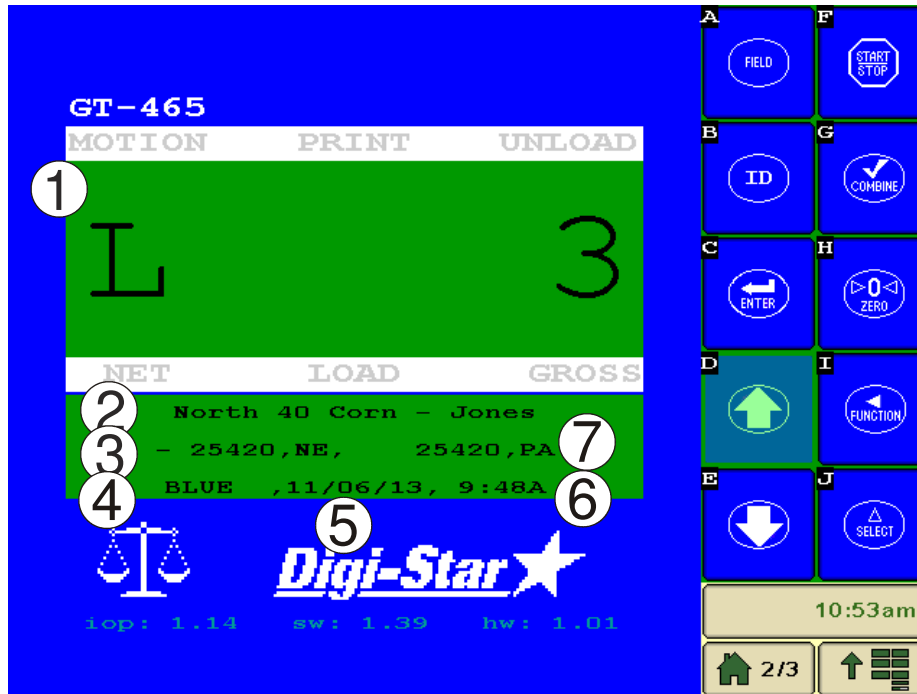
- ① Current Weight
- ② Current ID name
- ③ Current gross weight
- ④ Current field name
- ⑤ Time
- ⑥ Print accumulator (PA) for current field

DATA RECORD SCREEN

NOTE: This screen is shown for only 10 seconds before reverting to the Active screen.

The indicator creates “**data records**” containing these data fields each time the operator completes a load.

- Press  or  to scroll through all previously stored records.



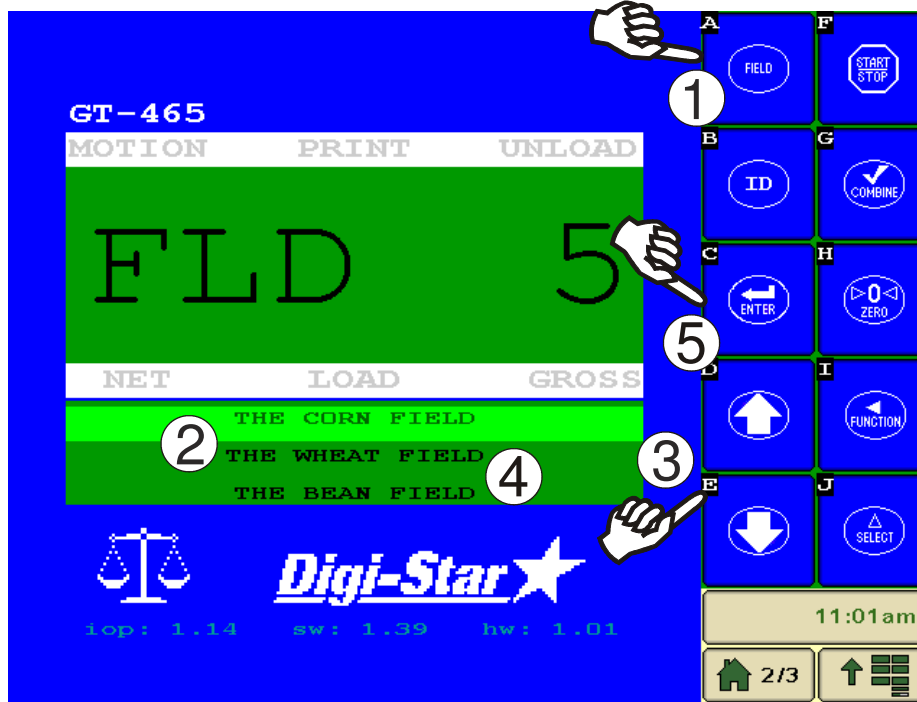
- ① Load number
- ② Field name (26 characters)
- ③ Weight (weight that was unloaded for this load)
- ④ ID name (6 characters) (Use for CART ID or TRUCK ID)
- ⑤ Date
- ⑥ Time
- ⑦ Accumulated weight (total of all loads for selected field)






FIELD SCREEN

NOTE: Field names can be uploaded from a PC using a USB flash drive. (See page 21)

Field names can be a maximum of 26 characters long.

Field names can be changed using the VT before unloading.






- ① Press  to modify or select field. Current field number is shown in upper display.
- ② Three lines are displayed in Lower Display Window. The top line of the three is current, editable and will be used for next data record.
- ③ Up/Down Arrows – Press  or  to scroll through fields (150 maximum).
- ④ ***Every VT has different functionality to modify field names. (Selecting Field to edit and interface to modify) Please refer to the owner’s manual for instructions.***
- ⑤ Press  or  to exit

ID SCREEN

- NOTE:** ID names can be uploaded from a PC using a USB flash drive. (See page 21)
 ID names can be a maximum of 6 characters long.
 ID names can be changed by using the keypad before unloading.



- ① Press **ID** to modify or select ID name. Current ID number is shown in upper display.
- ② Three lines are displayed in Lower Display Window. The top line of the three is current, editable and will be used for next data record.
- ③ Up/Down Arrows – Press  or  to scroll through ID names (150 maximum).
- ④ **Every VT has different functionality to modify field names. (Selecting ID to edit and interface to modify) Please refer to the owner's manual for instructions**
- ⑤ Press  or **ID** to exit.

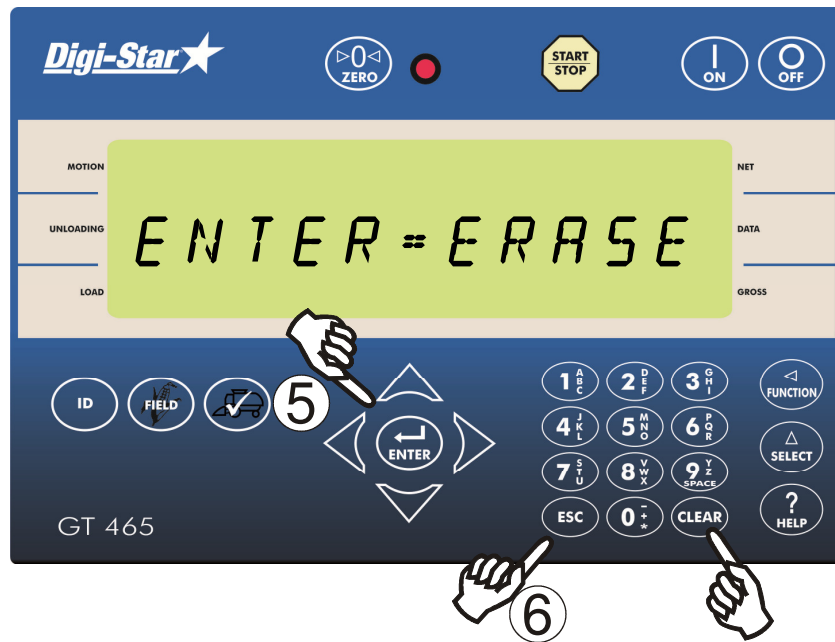
Clearing The Indicator Memory Before Starting A Season

Before starting the harvest each year you will want to clear out the last year's data records and accumulators to start over with a clean slate. You may have some new field names and ID names to store into the indicator as well.

Important: Before erasing the data records, be sure that the data records have been safely stored.

Important: This action will erase all data records.

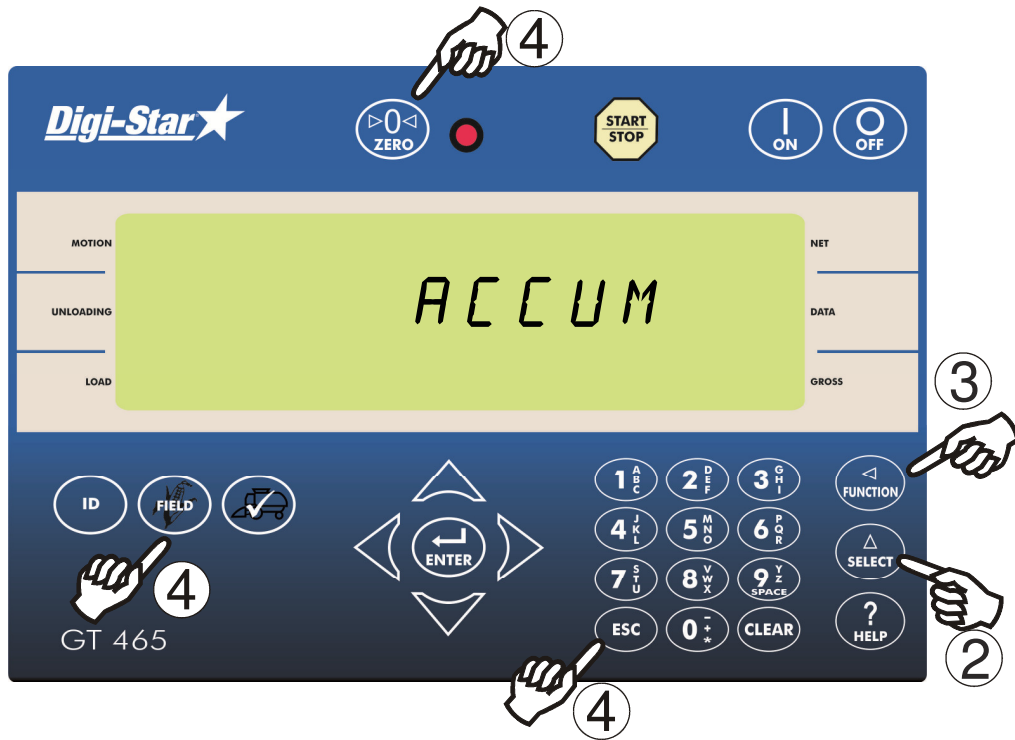
Erase Grain Tracker™ Data Records








1. Press **CLEAR** and release, scale will show a flashing 0
2. Press and Hold **CLEAR** until *PRINT BUFFER* displays.
3. Release **CLEAR**
4. Display scrolls *ENTER = ERASE, ESC = EXIT*
5. Press **ENTER** erases all records.
6. Press **ESC** to return to active screen without erasing records.



Zero Accumulator Memory



1. Select field name of accumulator to be erased. See page 8. Return to the active screen.
2. Press  repeatedly until *ACCUM* is displayed.
3. Press .
4. Press  to delete current field accumulated value, press  to erase all 150 accumulated records, or press  to exit.

NOTE: This operation only erases the accumulator data, field names, ID names and data records are not affected.

NOTE: This operation can also be performed via the VT interface.

DAILY DATA COLLECTION

Insuring your data is secure from theft, fire or equipment failure requires a small effort each day to store your data on a USB flash drive.

Mid-Season Name Changes

During the season, you may wish to delete and add field names or ID names to your scale indicator memory. This may be done in one of three ways.

Front Panel (GT465)

For a small amount of changes, edit field names and ID names using the VT interface. See pages 14 - 15 to edit field and ID names. See page 17 to erase accumulator memory.

Virtual Terminal

For a small amount of changes, edit field and ID names using the virtual terminal. See your VT owners' manual for information on how to select and edit strings on the VT. To erase accumulator memory follow same procedure found on page 17.

Upload New Field Names, ID Names and Accumulator Using USB Flash Drive

For a large number of changes, perform the changes on your PC using Grain Tracker™ software and then transfer the new information to the indicator using a USB flash drive.

Before doing this, transfer your existing field accumulator data from the indicator to the USB flash drive and onto your PC. This keeps the proper accumulator values on partially finished fields.

Modify Field Names And ID

Using Grain Tracker™ software:

1. Upload data records from USB flash drive to the PC.
2. Delete field names that are already finished and clear their accumulators.
3. Add new field names as needed.
4. Transfer the new field names, accumulators and ID names onto the USB flash drive.

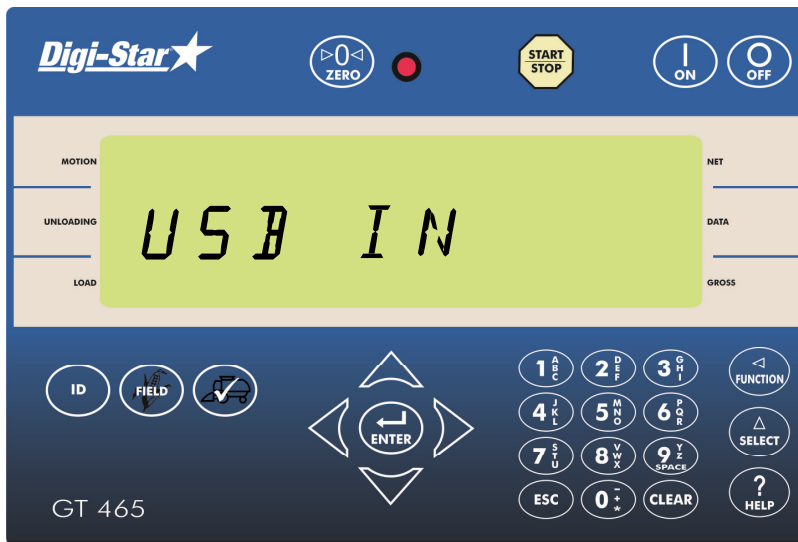
NOTE: To upload data to indicator, you must first create data files with field names, ID names and accumulator values using Grain Tracker™ software.

TRANSFER DATA



Open door and insert USB flash drive here to download data records

The GT465 is equipped with a USB flash drive port. The USB flash drive used with the indicator holds thousands of data records and allows for easy transfer to PC.



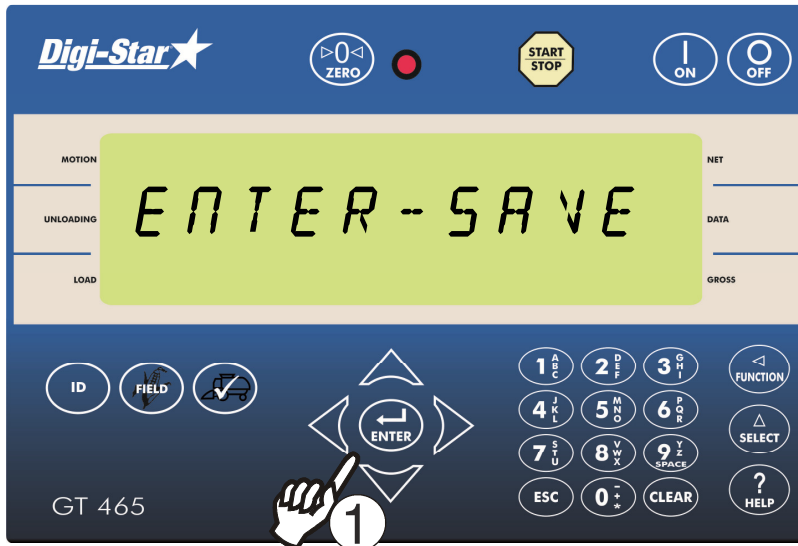
Insert USB flash drive. The GT465 will automatically detect the USB flash drive and display the following:


ENTER - SAVE RECORDS TO USB

1 - FIELD + ID TO USB

9 - USB TO FIELD + ID

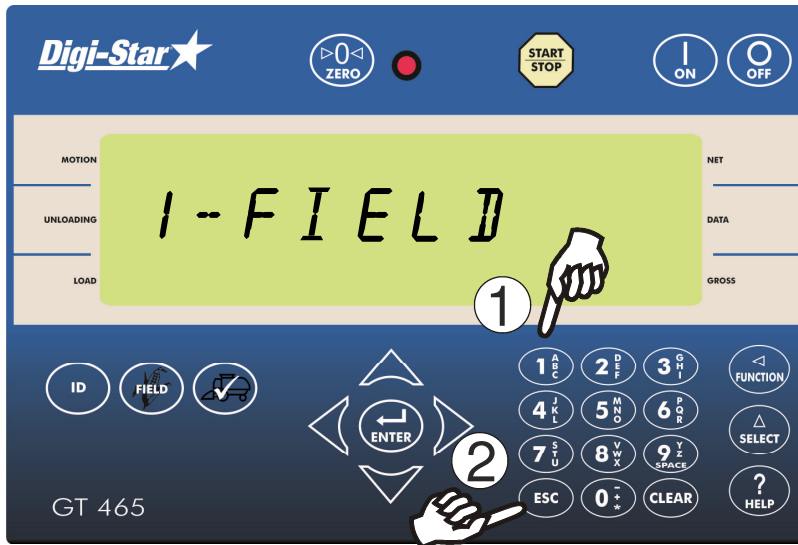
To Store Data Records on a USB Flash Drive





1. Press  to save records to USB. *Wait for data transfer to be completed.*

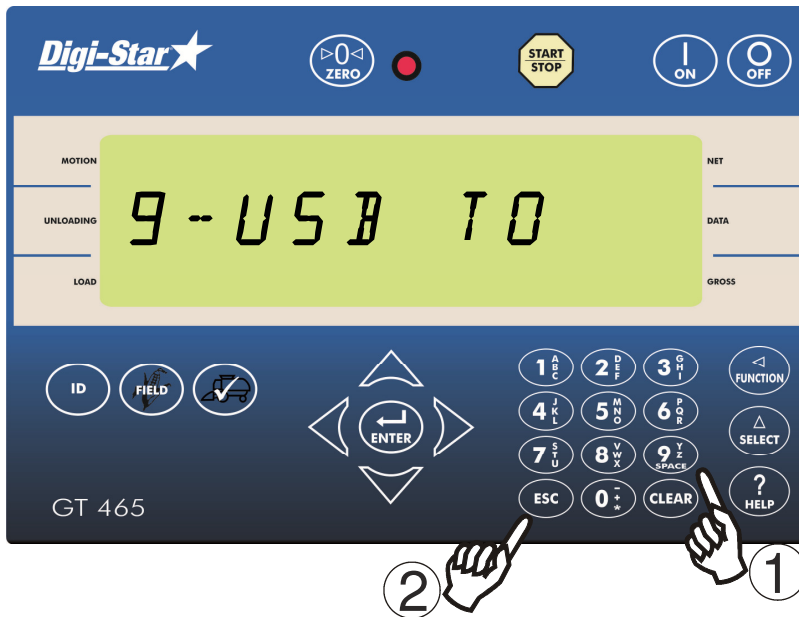
NOTE: This action appends values already on the USB flash drive. No data is lost.

To Store Field and IDs on A USB Flash Drive



1. Press  to transfer the field and ID names onto the USB flash drive. *Wait for data transfer to be completed.*
2. Press .
3. Remove the USB flash drive from the USB port.

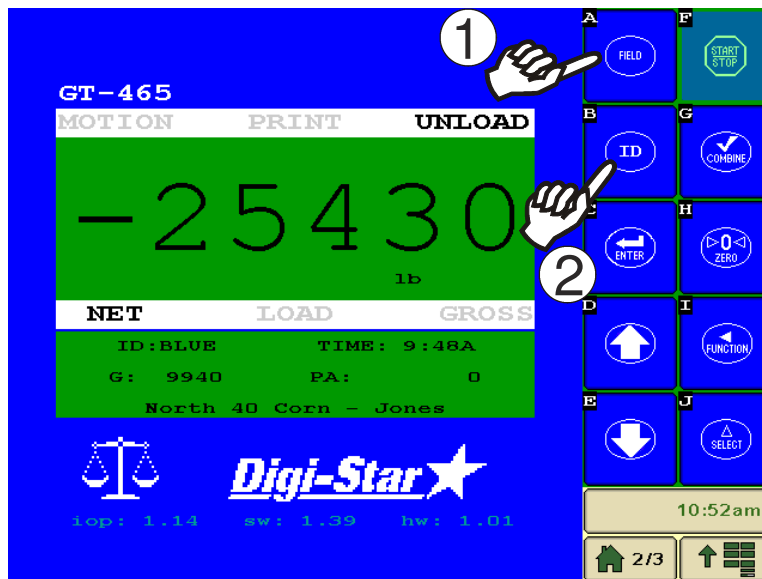
Transfer Field And ID Data From USB To Indicator



1. Press 9 to transfer field names and ID names from USB flash drive to indicator. *Wait for data transfer to be completed.*
2. Press **ESC** to exit. Remove USB flash drive from socket. Display returns to active screen.

Important: This action will overwrite field names, ID names and accumulator in the indicator.

Record Data (W/ AutoLog)



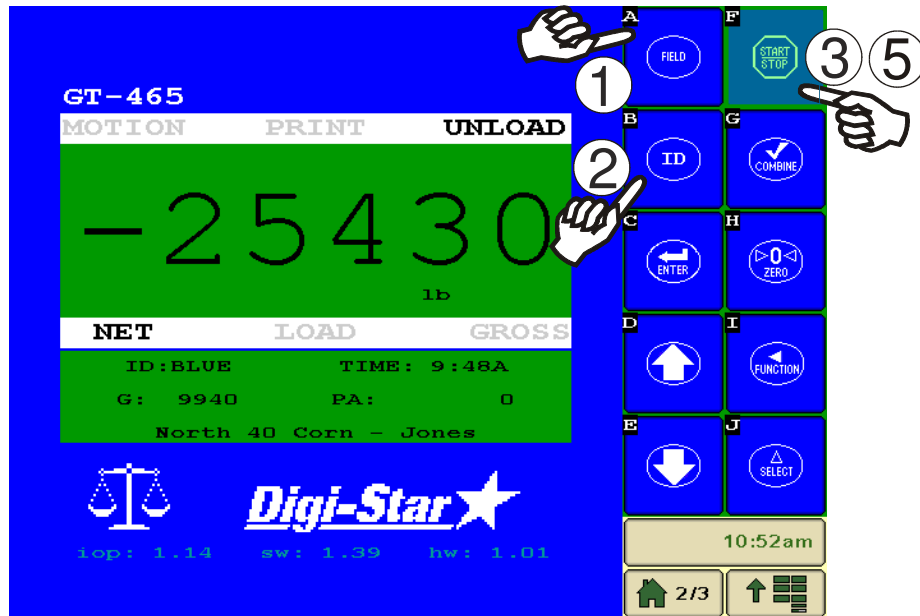
NOTE: For more information on AutoLog, please refer to D3908 AutoLog manual.





1. Press **FIELD** to select required field name. See page 14
2. Press **ID** to select required ID. See page 15. **NOTE:** Make sure Indicator has returned to the active screen.
3. If AutoLog is functioning, simply start the PTO. Scale will read Zero and enter the net mode.
4. Unload grain from grain cart. The Upper Display shows the amount unloaded. Gross value (total amount left on cart) is displayed on second line of Lower Display.
5. If AutoLog is functioning, simply stop the PTO. Data record will be stored, displayed and printed.

NOTE: If AutoLog is not working correctly, see page 38 for troubleshooting and setup instructions.

Record Data (Without AutoLog)

NOTE: To operate without AutoLog, set *RSSCTL* (DAN 531) to *OFF*. See pages 30-34.







1. Press  to select required field name. See page 14
2. Press  to select required ID. See page 15. **NOTE:** Make sure Indicator has returned to the active screen.
3. Press  before unloading grain from cart. Scale will read zero and enter the net mode.
4. Unload grain from grain cart. The Upper Display shows the amount to unloaded. Gross value (total amount left on cart) is displayed on second line of Lower Display.
5. Press  once the unloading process is complete.

When the unloading process is complete:

- The data record is stored in memory.
- The data record is printed.
- The data record screen will display the last data record for 20 seconds.
- The indicator will return to active screen.

Recorded Data Preview






1. Press  or  to see last data record.
2. Press  or  to scroll through recorded data.
3. After 10 seconds of no keypad activity, the Indicator will return to the active screen.

Check Combine Yield Monitor

For best accuracy, park on a level surface when checking.



1. Press  to select desired name.

2.  Lower display will show *WEIGH COMBINE GRAIN* and Upper Display will show *UNLOAD*, then alternate between display the net weight and *COMBIN*
3. Unload grain from grain cart. The Upper Display shows the amount unloaded. Gross value (total amount left on cart) is displayed on second line of Lower Display.
4. When finished unloading press  Data record will be stored, displayed and printed.

RE-CALIBRATING YOUR SCALE

To re-calibrate your scale, document at least 3 to 6 loads of varying sizes and measure the actual weight of all loads on a certified scale.

- It must be assured that each truck is not losing grain in transit to a certified scale.
- Weigh the truck immediately before unloading and immediately after unloading to minimize errors due to changes in fuel etc.

In this example, we are unloading six carts of grain onto four semi-trucks.

Example:

| | |
|-------------------------------|---------------|
| Cart Load A | 51560 |
| Cart Load B | 33240 |
| Cart Load C | 17620 |
| Cart Load D | 50420 |
| Cart Load E | 38200 |
| Cart Load F | 12360 |
| Total Indicator Weight | 203400 |
| Truckload #1 | 51920 |
| Truckload #2 | 51320 |
| Truckload #3 | 50720 |
| Truckload #4 | 51070 |
| Total Certified Weight | 205030 |

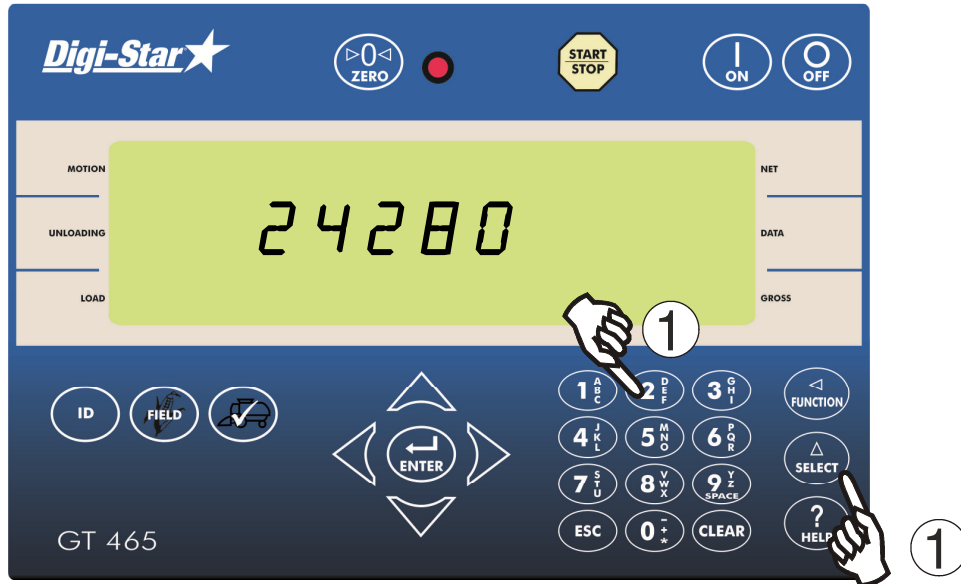
Reading Too High


If the Indicator is reading higher than the certified scale, then the calibration number is high and should be decreased proportionally. See page 26.

Reading Too Low

If the Indicator is reading lower than the certified scale, then the calibration number is low and should be increased proportionally. See page 26.

Get Your Calibration Number



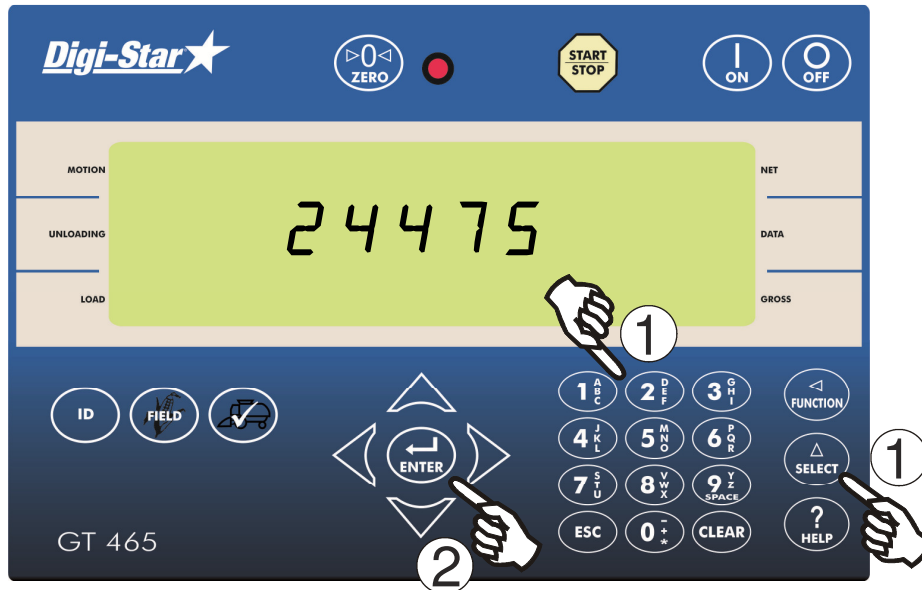
1. Enter **872** and press . The calibration (**CAL**) number will display. Example **CAL = 24280**



$$\frac{\text{TOTAL CERTIFIED WEIGHT}}{\text{TOTAL INDICATOR WEIGHT}} \times \text{CURRENT CAL NUMBER} = \text{NEW CAL NUMBER}$$

Using the previous example your results would be:

$$\frac{205030}{203400} \times 24280 = 24475$$

Enter New Calibration Number

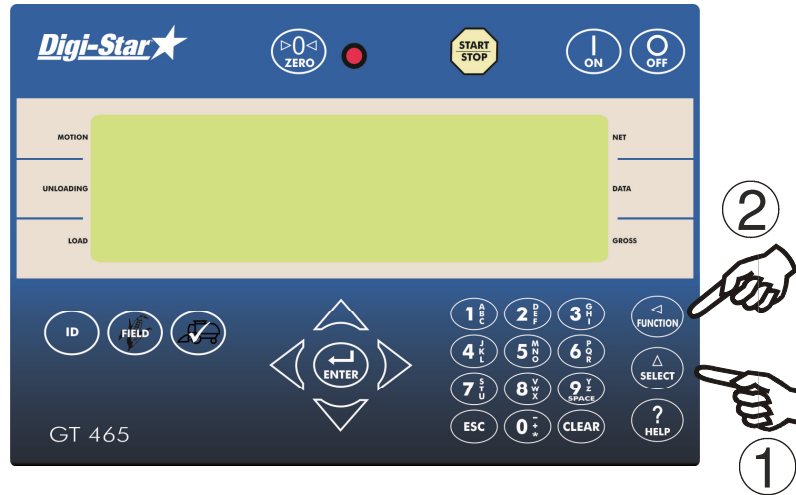





1. Enter **872** and press  Existing calibration number will display.
2. Use number pad to type new number and press 

For best results, unload on level ground. Make sure no grain is lost in trucking the grain to a certified scale.

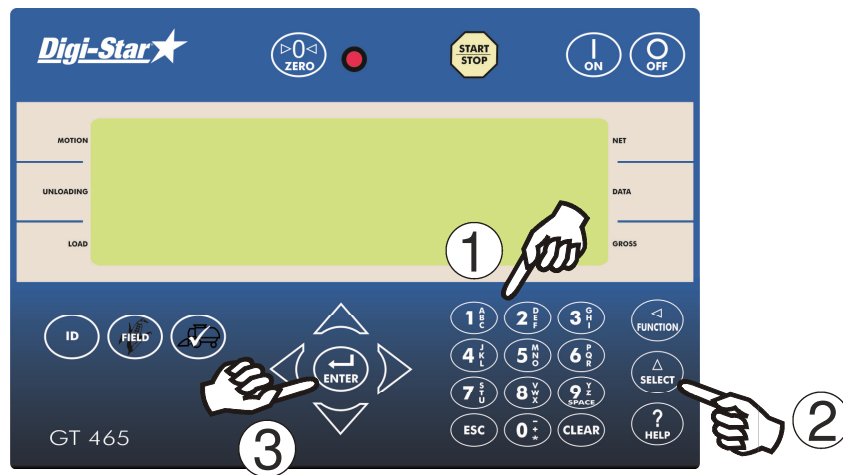
OPTIONAL SETTINGS

Backlight Dimmer



1. Press  until *DIMMER* is displayed.
2. Press  reduces backlight intensity by 60%. Press  again for full intensity.

Unload Alarm






The unload alarm beeper can be set to:

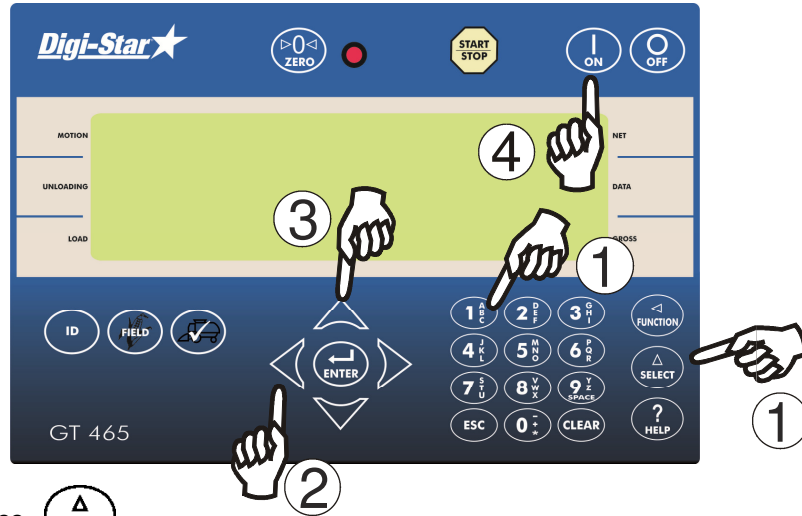
Off – no beep, 1 – short beep, 2 – medium beep, 3 – medium long beep, 4 – longest beep





To change unload alarm:

In the active screen:

1. Enter **407** and press .
2. Press  until desired setting is shown.
3. Press  to save setting and return to active screen.





Change Time



1. Enter **202** and press 
2. Press  arrow to move cursor.
3. Press  to set time.
4. Press 

Change Date



1. Enter **204** and press 
2. Press  arrow to move cursor. Format dd/mm/yy.
3. Press  arrow to set date.
4. Press 

Preset Active Signal

The Preset Active Signal function was designed to allow greater flexibility and application specific use of the GT465 scale indicator Alarm Out relay. This feature uses a combination of settings to program the 12 volt relay on the GT465, with the ability to enter a preset weight. With this programming control, the GT465 can be connected to a variety of accessories such as external alarms, hydraulic solenoids, and other electronics. The preset is activated by the START/STOP button or AutoLog for use of more hands free applications.

(For more detailed operations, please refer to document D3980 Preset Active Signal Functionality)

To enable this function set on the GT465 indicator:

- 1) Press 477 then Select. Press Select again to change ALP setting to "ON". Press ON button to store. The GT465 is now in Auto Load Preset mode. This setting allows preset weight values to be entered with the keypad, so that the GT465 can control other functions based on a target weight. Turn this setting OFF for normal grain cart mode.
- 2) Press 406 then Select. Press Select to change the RELAY function. Press ON button to store. The RELAY function defines what function the GT465 performs when the preset weight is activated during the unloading process. This can be held at 12 V while the preset is active (PRACT), or activate 12 V once the preset weight is reached during unloading (PRNOPA).
- 3) Press 475 then Select. Type in time for PAST setting, if needed. Press ON button to store. The PAST setting is the time (0.0 to 99.9 seconds) for the RELAY function to timeout. If RELAY is set as PRACT and is held at 12 V during the entire unload process, this setting extends the time at which the relay remains at 12 V. If RELAY is set as PRNOPA and activates 12 V at the end of the unload cycle, this setting determines how long the relay stays on after the target weight is reached.
- 4) Press 442 then Select. Press Select to choose WEIGHT or PERCNT; WEIGHT is preferred choice for this application. Press ON button to store. Type in TOLER value. Press ON button to store. This is normally the weight value of grain still unloading; set to help prevent overfilling the truck. If the implement unloads by 1000 pounds too high each time, the TOLER value should be set to 1000.
- 5) Use keypad to type in preset weight to be unloaded, and then press ENTER. If 5000 pounds is entered, this is the range at which the relay functions above will activate.

Example Application 1: Grain cart with GT465 AutoLog system is to activate an external alarm light to notify truck driver that cart is unloading. Truck is allowed to hold 40,000 pounds. Grain cart operator opens and closes doors, and wants to make sure an additional 30 seconds are allowed for cleanout before truck drives away.

Set 477 ALP to ON. Set 406 RELAY to PRACT. Set 475 PAST to 30.0. Press 40000 then ENTER to store preset weight value. Connect green DC Output wire to external alarm light +12V, black to -/Ground.

Operation: Start PTO, GT465 automatically loads 40,000 pound preset, external alarm light flashes for truck driver. Open door to unload grain, then close door when near 40,000 pounds. Target weight is reached; 30 second delay time begins to give cart operator time to clean out auger and turn off PTO. After 30 seconds, external alarm light turns off, data is logged, and truck drives away.




Example Application 2: Grain cart with GT465 AutoLog system is to activate an alarm in tractor cab for 10 seconds to notify operator once 35,000 pounds is unloaded, so that the door can be closed. The operator has a history of overloading the truck by 5000 pounds each time.

Set 477 ALP to ON. Set 406 RELAY to PRNOPA. Set 475 PAST to 10.0. Set 442 to WEIGHT; TOLER to 5000. Press 35000 then ENTER to store preset weight. Connect green DC Output wire to alarm +12V, black to ground.



Operation: Start PTO, GT465 automatically loads 35,000 pound preset. Open door to unload grain. Target weight is reached 5000 pounds early, sounding alarm for operator to close the door. The preset is deactivated at 30,000 pounds to correct for overfill, and the data is logged when the PTO is stopped.

SETTING OPTIONS

To modify options use the following chart, while on the active screen on the GT465:

1. Enter D.A.N. (Direct Access Number) and press  to enter selected option.
2. Press  repeatedly until desired selection is shown.
3. Press  to set.

| Setting/ Display | D.A.N | Options | Description |
|--|-------|---|--|
| (Bold = Default) | | | |
| MENU 1. BASIC FEATURES IN MOST INDICATORS | | | |
| Language (LANGAG) | 101 | ENGLISH NEJERL FRANCIS DEUTSH ITAL PORT ESPAIN DANSK MAGYAR VESTA | Select from list English Dutch French German Italian Portuguese Spanish Danish Hungarian Spanish |
| Display Update Rate (D-RATE) | 102 | 1,2,3,4 | Update display times per seconds. |
| Motion Arrow (MOTION) | 103 | ON/OFF | Arrow flashes for unstable weight. |
| Zero Tracking (ZTRACK) | 104 | ON/OFF | Set to OFF. |

| Setting/ Display | D.A.N | Options (Bold = Default) | Description |
|--|-------|---|--|
| Weigh Method (<i>W MTHD</i>) | 105 | 1=General , 2=Fast, 3=Slow, 4=Lock-On | Use general. |
| Scroll (<i>SCROLL</i>) | 118 | 0,1,2,3, 4 ,5,6,7,8,9 | Sets scroll rate of Display. |
| MENU 2. CLOCK, PRINTER, COMMUNICATION & ESTIMATED WEIGHT FEATURES | | | |
| Time Format (<i>TIME F</i>) | 201 | 24 HR AM/PM | 24-hour time format. |
| Set Time (<i>TIME</i>) | 202 | XX:XX:XX |  increments each digit and "ARROW" keys advance cursor to set date "mmddy" field. |
| Date Format (<i>DATE F</i>) | 203 | 1,2,3,4,5,6,7,8 | Select date format. 1 = mm – dd 2 = mm/dd/yy 3 = mm/dd/yyyy 4 = dd/mm 5 = dd/mm/yy 6 = dd/mm/yyyy 7 = dd/mm/yy 8 = dd/mm/yyyy |
| Set Date (<i>DATE</i>) | 204 | Enter XXXXXX |  changes date, "ARROWS" advance cursor to set date. |
| Computer in Mode (<i>COM IN</i>) | 215 | DOWNLD, EZ CMD, EZ2CMD | DOWNLD = Data Down Loader, EZ CMD = Original EZ Commands, EZ2CMD = EZII Escape Commands. |

| Setting/ Display | D.A.N | Options (Bold = Default) | Description |
|--|-------|--|--|
| Print Accum. (<i>ACCU</i>) | 223 | 0 | Shows a running total of weights printed. |
| BUFFER (<i>BUFF</i>) | 238 | ON | Set to ON |
| PBLine (<i>PBL</i>) | 239 | 1,2,3 | Use 3 |
| Remote Terminal (<i>RMTERM</i>) | 251 | ON/OFF | When ON, sends information to a Remote Terminal |
| IsoBus Weight (<i>ISO WT</i>) | 252 | OFF, .1, .2, .3, .4, .5, .6, .7, .8, .9, 1.0 , 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 2.0 | Selects rate to broadcast ISOBUS weight data. |
| Disable RMport Response (<i>RMNPR</i>) | 255 | ON/OFF | ON, disables sending 'print' type response to cmds received. |
| Disable ISOBUS VT Message (<i>ISO VT</i>) | 257 | ON , OFF | ON, enables ISOBUS gateway to send VT messages. |
| Use ISOBUS DDI values (<i>ISODDI</i>) | 258 | ON , OFF | ON, Sends ISO WT using ISOBUS DDIs 229 & 232 OFF, use D/S legacy DDIs |

| Setting/ Display | D.A.N | Options | Description |
|---|-------|--|---|
| (Bold = Default) | | | |
| MENU 3. SCALE CALIBRATION SETTINGS | | | |
| Display Count <i>(COUNT)</i> | 301 | .01,.02,.05,.1,.2,.5, 1,2,5, 10 ,20, 50,100 | Minimum weight change that is displayed. Note: If this is too small, scale will be unstable. |
| Display Unit <i>(LB-KG)</i> | 303 | LB /KG | Unit of measure. Note: If this changes, calibration and set-up must change. |
| Capacity <i>(CAP)</i> | 304 | 85,000 | Maximum capacity of scale. |
| MENU 4. PRESET, BATCHING & ROTATION COUNTER FEATURES | | | |
| Relay <i>(RELAY)</i> | 406 | OFF , SETPNT, PRESET,SEEDTD, PRNOPA, PRACT | Selects behavior for the +12VDC output. |
| U-Alarm <i>(UALARM)</i> | 407 | 1 ,2,3,4 | Adjust unload alarm setting |
| Tolerance Method <i>(T MTHD)</i> | 442 | WEIGHT PERCENT | Tolerance offset method |
| Tolerance <i>(TOLER)</i> | 442 | Manual Entry | Set tolerance weight to compensate for truck overfill |
| Preset Active Signal Timeout <i>(PAST)</i> | 475 | Enter XX:XX | Time to continue preset active signal after preset is reached. |
| Unload Weight Display <i>(UNWEI)</i> | 476 | NET , GROSS, LOAD | NET = From Zero, GROSS = Display total weight, LOAD = Unload from preset |
| Auto Load Preset <i>(ALP)</i> | 477 | ON, OFF | If ON – Load stored preset when unloading begins. |

| Setting/ Display | D.A.N | Options (Bold = Default) | Description |
|---|-------|--------------------------------------|---|
| MENU 5. CONTROL SETTINGS | | | |
| Diagnostic Enable (<i>DIAG</i>) | 508 | ON , OFF | Enables diagnostic information. – Press SELECT do display DIAG, then press FUNCTION to display RPM |
| RPM Start/Stop Control (<i>RSSCTL</i>) | 531 | ON , OFF | ON, enables AUTOLOG feature |
| RPM/Stop Speed (<i>RSSMIN</i>) | 532 | 300 | Set to 20 – 50% of PTO operating RPMs. Stop is activated with this value. |
| Rpm Start Tol Speed (<i>RSSDOL</i>) | 533 | 100 | Set to 10% of PTO operating RPM's. Start is activated using the value + DAN 532. |
| RPM Start Delay (<i>RSSDOL</i>) | 534 | 3.0 | Start activated when RPMs above DAN 532 + DAN 533 for this time in seconds. |
| RPM Stop Delay (<i>RSSDOL</i>) | 535 | 2.0 | Stop activated when RPMs below DAN 532 for this time in seconds. |
| CALIBRATION | | | |
| Setup Number (<i>SETUP</i>) | 871 | | Quick entry method selects weigh method 1-4lbs, 5-8kg, gain 1-9, display counts 1-9 and capacity *1000. |
| Calibration Number (<i>CAL</i>) | 872 | | Weight displayed at .4mV/V for these load cells. |

WEIGHING ERRORS

OVRCAP

Capacity Limit:
Weight on scale system exceeds capacity limit.

+RANGE

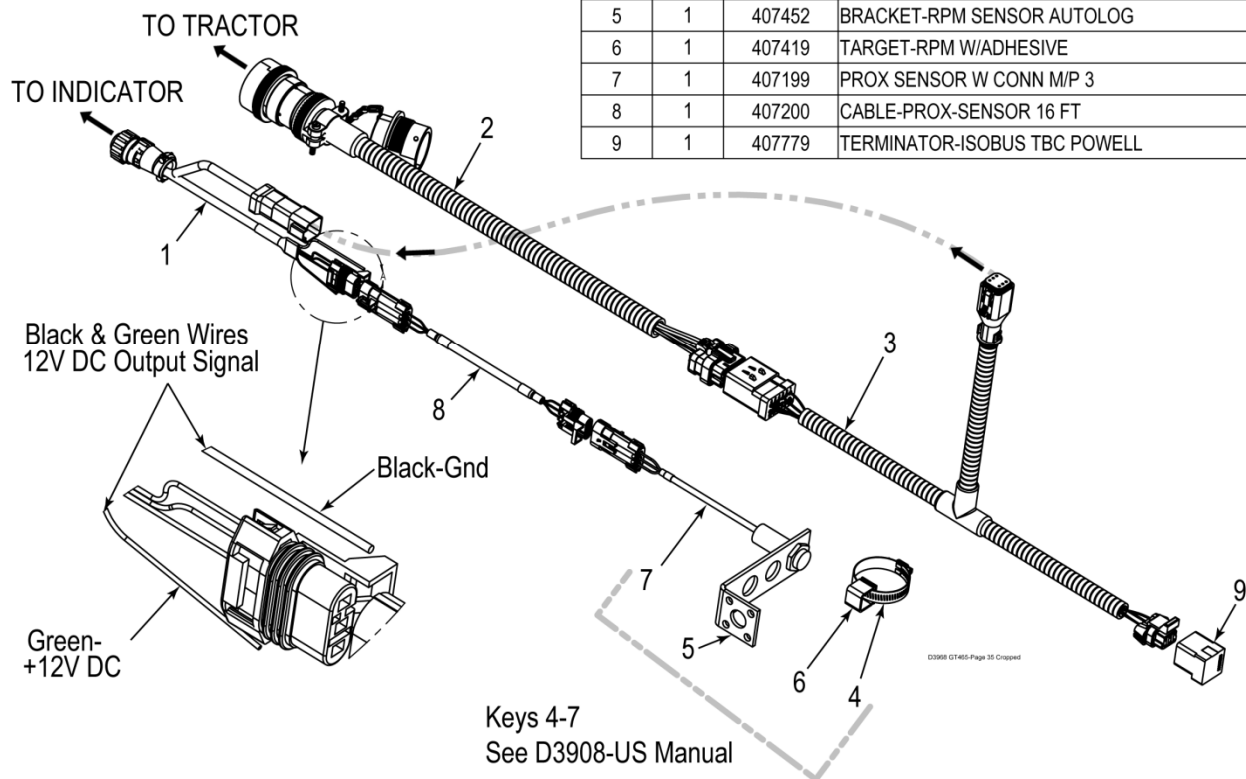
Over Range:
Weight on scale system exceeds maximum weight.

-RANGE

Under Range:
Weight on scale system less than minimum weight.

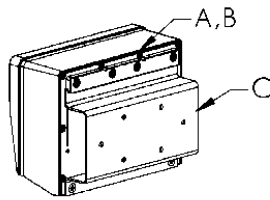
HARNESSES and CONNECTIONS

| KEY | QTY | PART NO | DESCRIPTION |
|-----|-----|---------|------------------------------|
| 1 | 1 | 408729 | CABLE-GT465 ISO AUTOLOG |
| 2 | 1 | 407737 | HARNESS-JD ISOBUS |
| 3 | 1 | 407637 | HARNESS-JD ISOBUS |
| 4 | 1 | 407451 | HOSE CLAMP #24 SS |
| 5 | 1 | 407452 | BRACKET-RPM SENSOR AUTOLOG |
| 6 | 1 | 407419 | TARGET-RPM W/ADHESIVE |
| 7 | 1 | 407199 | PROX SENSOR W CONN M/P 3 |
| 8 | 1 | 407200 | CABLE-PROX-SENSOR 16 FT |
| 9 | 1 | 407779 | TERMINATOR-ISOBUS TBC POWELL |

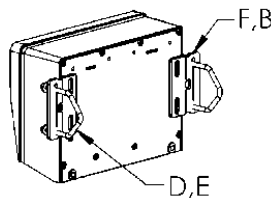


INSTALLATION

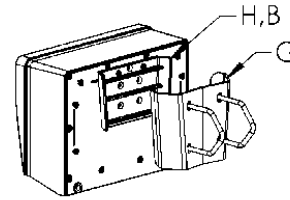
INDICATOR MOUNTING



RAIL MOUNT

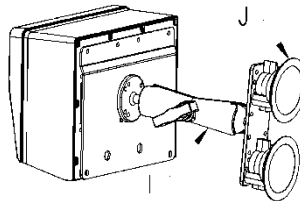


WING MOUNT



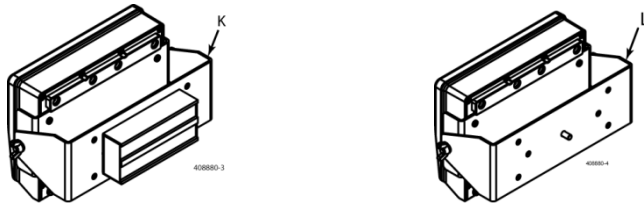
WEDGE MOUNT

| KEY | PART NUMBER | DESCRIPTION |
|-----|-------------|---|
| A | 404353 | BRACKET-EZ3 PLASTIC RAIL |
| B | 403780 | SCR-#10 X 5/8 FHSTS BLACK ZP |
| C | 840459 | SUPPORT-HAT BRACKET |
| D | 405069 | U-BOLT 1/4-20 X 3.25 ZP |
| E | 405084 | NUT-1/4-20 TOP LOCKING FLANGE |
| F | 403770 | BRACKET- WING MOUNT |
| G | 405124 | PACK-WEDGE MOUNT BRACKET WITH U-BOLTS & FLANGE NUTS |
| H | 405244 | EZ3 WEDGE MOUNT |



RAM MOUNT

| KEY | PART NUMBER | DESCRIPTION |
|-----|-------------|--|
| I | 404799 | RAM MOUNT FOR EZ 3 INDICATOR WITH HARDWARE |
| J | 404230 | RAM SUCTION CUP W/TWIST LOCK |



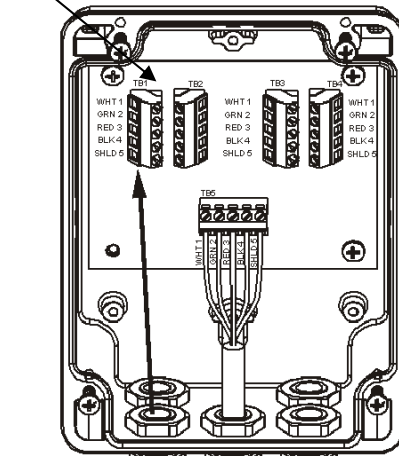
MAGNETIC SWIVEL MOUNT

| KEY | PART NUMBER | DESCRIPTION |
|-----|-------------|---|
| K | 408880 | MOUNT FOR EZ 3 INDICATOR WITH HARDWARE AND MAGNET |
| L | 408828 | MOUNT FOR EZ 3 INDICATOR WITH HARDWARE WITHOUT MAGNET |

CONNECT LOAD CELLS TO J-BOX

Connect load cell wires to terminal blocks. See Wire Color Key

| Wire Color Key | | |
|----------------|--------|--------------|
| | Color | Description |
| 1 | White | Signal + |
| 2 | Green | Signal - |
| 3 | Red | Excitation + |
| 4 | Black | Excitation - |
| 5 | Shield | Shield |



J-Box Illustrated for 4 Load Cell Installation

Tighten Nuts

J-Box Cable

Load Cell Cable




Connect to Indicator bottom Panel.

J-Box Connections

TROUBLESHOOTING

RPM Sensor Diagnostics

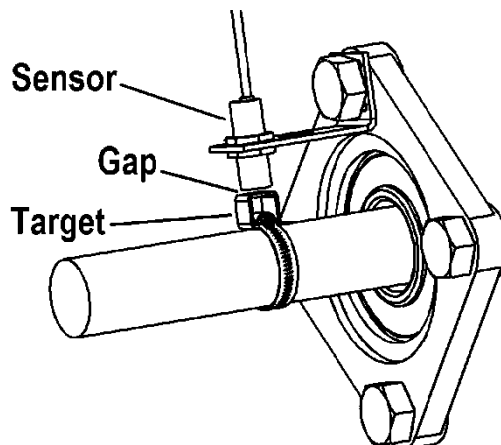


1. Press  until *DIAG* is displayed.
2. Press  to enable diagnostics.
3. The 3 line display will now show value from RPM sensor.
4. Press  to disable diagnostics and return to normal operation.

NOTE: The RPM value should be close to the actual RPM's of the shaft when detecting a single target per revolution.

For best results adjust the distance between the sensor and the target to between 0.1" and 0.2" (2mm-5mm). This is equal to the thickness of one to two quarters.

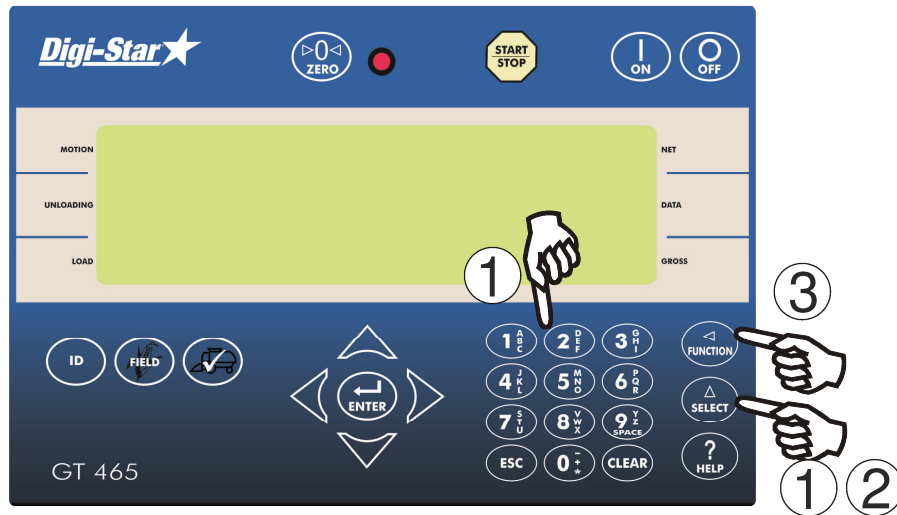
Sensor has yellow LED indicator on rear to indicate target in range of the sensor.






Verify AutoLog Settings

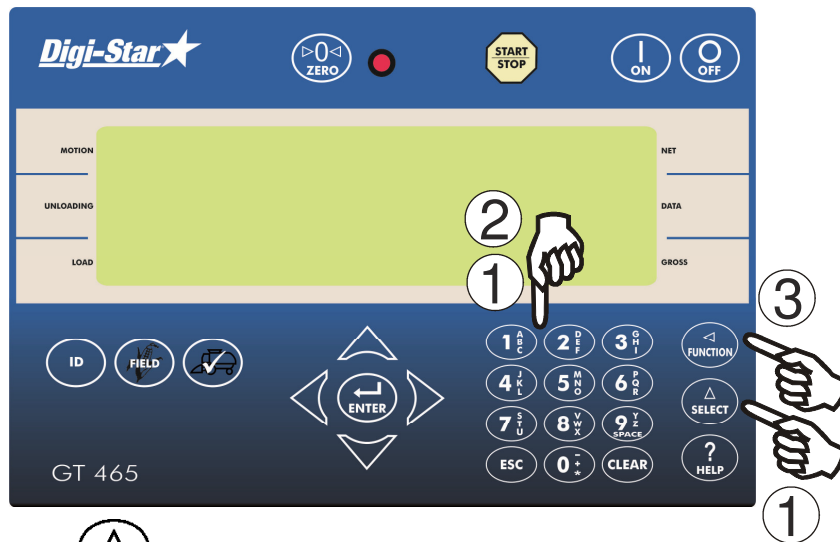
Verify that your AutoLog setting located in Menu 5 are correct. These settings include D.A.N. numbers 531 and 532. See page 30-34 for default settings. Your settings may vary.



EXAMPLE: Turn RSCCTL to “ON”



1. Enter 531, then press .
2. Press  to set *RSCCTL* to “ON”.
3. Press  to save setting and return to active screen.

EXAMPLE: Turn RSSMIN to “300”



1. Enter 532, then press .
2. Enter 3, 0, 0 on keypad
3. Press  to save setting and return to the active screen.