

This method allows direct access to individual Setup & Calibration Settings. Enter the Direct Access Number of the setting you would like to change on the numeric keypad and then press the SELECT key. The display will show the setting name and then allow the value to be changed. Pressing the ON or ENTER key will return the scale to weighing. Jump Lists will start at the beginning of the menu and step through all options by press the ON or ENTER key. To access Jump Lists, enter the corresponding menu number and then press and hold FUNCTION key.

LONG FORM - SETUP/CALIBRATION SETTINGS Please note: Settings will only be displayed if the feature is found in the indicator model

Menu 1.0 – General Settings (JL 10)

*LANGUAGE {LANGAG}
*DISPLAY RATE {D RATE}
*SCALE ID SETUP {SCALID}
*ZERO TRACK {ZTRACK}
*WEIGH METHOD {W MTHD}
*1 PRESS ZERO {1 ZERO}
AUTO OFF {AUTOFF}
*DISPLAY UNIT {LB-KG}
*WEIGHT COMPENSATION {WT COM}
*PRE FILTERING {PREFLT}

MENU 1 – GENERAL SETTINGS (Jump List 1)

1001 Select Language to be displayed.
1002 Update Display 1, 2, 3, or 4 Times per Second.
1003 Identity of scale location (Truck ID or Mixer Number).
1004 ON = zero track adjust balance for buildup of snow & mud.
1005 Select weigh method 1-General, 2-Slow, 3-Fast, or 4-Lock - On (Stockweigh only)
1006 ON = Press and hold the Zero key to Zero/Balance scale.
1007 Indicator turns off after selected minutes of stable weight.
1008 Display pounds - lb or kilograms - kg
1009 Enables weight compensation functionality
1011 Enables pre-filtering before W MTHD is applied

Menu 1.1 – General Settings 2 (JL 11)

*SCROLL DELAY {SCROLL}
*SAVE TARE {SAVTAR}
*PRELOAD TARE {PRETAR}
POWER LOSS MESSAGE {PWRLDS}

1101 Slow scroll rate for cold temperatures, 0=normal to 9=slowest.
1102 ON = Indicator will save tare weight to non-volatile memory.
1103 ON = tare weights can be entered using the numeric keypad
1104 ON = stores time/date of power loss and displays data when power is restored

Menu 1.2 – Time & Date (JL12)

*TIME FORMAT {TIME F}
*TIME {TIME}
*DATE FORMAT {DATE F}
*DATE {DATE}
*DATE CHECK {DT CHK}

1201 Select time format - AM/PM or 24 hour
1202 Select key changes time, Function key choses hh:mm:ss.
1203 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-ddmoyy 8-ddmoyyyy.
1204 Select key changes date - Function key choses mm/dd/yy
1205 ON = Indicator verifies the real time clock has a valid date at power up

Menu 1.4 – remote inputs (JL 14)

*REMOTE INPUT 1 {R1IMP1}
*REMOTE SWITCH MESSAGE {R1MSG}
*REMOTE SWITCH STATE {R1STAT}
*REMOTE SWITCH TIME {R1TIME}
*REMOTE INPUT 1 PULL {R1PULL}
*REMOTE INPUT 1 SOURCE {R1P5RC}
*REMOTE INPUT 2 {R2IMP2}
*REMOTE SWITCH MESSAGE {R2MSG}
*REMOTE SWITCH STATE {R2STAT}
*REMOTE SWITCH TIME {R2TIME}

1401 Set function of remote input line on the power cord.
1402 Message that is displayed for remote input switch condition.
1403 Sets line state to display message and/or illuminate alarm lamp. OPEN or CLOSED
1404 Set how often the remote switch message is displayed. Once every 1-9 seconds.
1405 Set "pull" state of remote input 1. PULLUP or PULLDN
1406 Set input source for remote input 1 (Internal or CAN)
1411 Set function of remote input line of remote port or TR key.
1412 Message that is displayed for remote input switch condition.
1413 Sets line state to display message and/or illuminate alarm lamp. OPEN or CLOSED
1414 Set how often the remote switch message is displayed. Once every 1-9 seconds

Menu 1.9 – Diagnostic 1 (JL 19)

LOAD CELL DIAGNOSTIC {LCELLG}
*PROGRAM ID {PRG ID}
ESTIMATE WEIGHT {EST WT}

1997 Enables a load cell diagnostic screen on an attached UT
1998 Displays the software version.
1999 Adjust Gross weight of scale by changing the zero/balance.

MENU 2 – COMMUNICATIONS, REMOTE, AND ISOBUS (Jump List 2)

Menu 2.0 – Communications (JL20)

*REMOTE {REMOTE}
*SCALE NUMBER {SCL NO}
*EXTERNAL RADIO {EXTRAD}
*DDL ATTACHED {DDL}
*EZZ AUDIBLE COMMANDS {EZZAUD}
RADIO ID HARDWARE {RADIOH}

2001 ON = Communicate with Cab Control Display, MTLNE = 3 Line Display Cab Control
2002 Select Scale Number for Cab Control communications.
2003 ON = Enables external radio to be attached to the J905 port.
2004 ON = Enables the DDL to be attached to the J905 port.
2005 ON = Enables an audible notification when an EZZ command is sent.
2098 Displays radio hardware information. EXTRNL or INTRNL and hardware type.

Menu 2.1 – Scoreboard & Operational Status Messages (JL 21)

*SCOREBOARD MODE {SCOREM}
ZERO OUTPUT {ZEROUT}
*FRONT PANEL ZEROOUT {ZEROFF}
*SCOREBOARD MODE 2 {SCRM 2}
*OPERATING STATUS {OPSTAT}
*DYNAMIC VARIABLE ADJUST {-DVADJ}

2101 Select scoreboard output.
2102 Perform the Zero/Balance for the SCOREM #11 weight output.
2103 Use Zero key to zero out the serial gross weight.
2104 Select scoreboard output number 2.
2111 Select operating data to be sent to a Remote Terminal.
2199 ON = Causes negative sign to be left justified and numeric values right justified.

Menu 2.2 – Port Settings (JL 22)

*COM 1 BAUD RATE {C1 BD}
*COM 1 PARITY {C1 PAR}
*COM 1 DATA BITS {C1 DATA}
*COM 1 DELAY {C1 DLY}
*COM 2 BAUD RATE {C2 BD}
*COM 2 PARITY {C2 PAR}
*COM 2 DATA BITS {C2 DATA}
*COM 2 DELAY {C2 DLY}

2201 Sets COM1 baud rate to 1200 – 115200
2202 Sets COM1 parity to EVEN, ODD, or NONE.
2203 Sets COM1 data to 7 or 8.
2204 Select seconds to delay before advancing to next line.
2211 Sets COM2 baud rate to 1200 – 115200
2212 Sets COM2 parity to EVEN, ODD, or NONE.
2213 Sets COM2 data to 7 or 8.
2214 Select seconds to delay before advancing to next line

Menu 2.3 – Print (JL 23)

*TARE AUTO PRINT {TAREAP}	2301	ON = tare will auto-print displayed weight.
*ONE LINE PRINT {1L PRT}	2302	ON = scale data will be printed on one line.
*AUTO PRINT {APRINT}	2303	ON = pressing keys will auto-print weight values.
*PRINT FORMAT {PRTFMT}	2304	Select alternate & comma (CSV) formats.
PRINT ACCUMULATION {PRTRACC}	2305	Shows a running total of the weights printed.
PRINT BUFFER {BUFFER}	2306	If enabled, data sent to the printer port is also stored in scales non-volatile memory.

Menu 2.4 – Remote Display (JL 24)

*REMOTE DISPLAY {RDISP}	2401	Select type of Remote Display.
*REMOTE TERMINAL {RTERP}	2402	ON = Display data is sent to a Remote Terminal.
*AUTO DETECT REM. DISPLAY {AUTORD}	2403	When enabled, indicator will auto-detect connected remote display.
*BAR GRAPH MODE {BARGRP}	2411	Select output for bar graph display.
*BAR GRAPH ENABLE {UTGRPH}	2412	Enables bar graph for gross weighing mode.
*BAR GRAPH WEIGHT {BAR WT}	2413	Enter the Full Scale Gross weight for the bar graph display.
*PRESET GRAPH ENABLE {PRGRPH}	2414	Enables bar graph for preset weights.
*TIMER GRAPH ENABLE {TAGRPH}	2415	Enables bar graph for timer/rotation counts.
*INGREDIENT GRAPH ENABLE {INGRPH}	2416	Enables bar graph for ingredient preset weights.
*NON-DIGI-STAR DISPLAY {NONDSR}	2417	Enables non-digi-star display mode.

Menu 2.7 – ISOBUS (JL 27)

*ISOBUS WEIGHT {ISO WT}	2701	Select rate to broadcast ISOBUS weight data.
*ISOBUS BASE ADDRESS {ISODDR}	2702	Assign starting base the ISOBUS gateway should 'address claim.
*USE ISOBUS DDI VALUES {ISODD}	2704	ON = Send ISO WT using ISOBUS DDI's 229 & 232. OFF – use D/S legacy DDIs.
*ISOBUS VT INSTANCE NUMBER {ISOINT}	2705	Preferred virtual terminal instance to display mask on.
*ISOBUS SERIAL GROSS {ISO SG}	2706	Enables serial gross output to be transmit on CANBUS
*CAN MESSAGE TYPE {CANMSG}	2711	Allows for entry of a proprietary can message type.
*CAN MESSAGE INTERVAL {CANINT}	2712	Allows editing of the interval time for the CANMSG output.

Menu 2.8 – WIFI

WIFI NAME {WIFINM}	2801	WIFI network SSID
WIFI PASSWORD {WIFIPS}	2802	Password for WIFI network
WIFI CHANNEL {WIFICH}	2803	Select WIFI channel number for Datalink and/or Cab Control communications
DISPLAY WIFI VERSION {WIFVER}	2804	Displays version of connected WIFI-ERM
DISPLAY BLUETOOTH VERSION {BLEVER}	2834	Displays the Bluetooth firmware version

MENU 3 – MOTION, WEIGHT, and ANALOG OUT (Jump List 3)

Menu 3.0 – Weight (JL 30)

*DISPLAY COUNT {COUNT}	3001	Select display count size of weigh values.
*CAPACITY {CAP}	3002	Enter MAXIMUM weight measurable on scale.
*WM1 ADJUST 1 {WMA1-1}	3003	Increase this number to smoothen weighing (2 to 100)
*WM1 ADJUST 2 {WMA1-2}	3004	0=OFF. Use value less than WMA1-1 for quick weight response.
*WM1 ADJUST 3 {WMA1-3}	3005	Enter the weight to activate quick weight response.
*WM2 ADJUST 1 {WMA2-1}	3006	Increase this number to smoothen weighing
*WM2 ADJUST 2 {WMA2-2}	3007	0=OFF. Use value less than WMA2-1 for quick weight response.
*WM2 ADJUST 3 {WMA2-3}	3008	Enter the weight to activate quick weight response.
*FRACTIONAL WEIGHT CALIBRATION {CALDD}	3011	Enables use of fractional CAL numbers
*A, B, C DISPLAY FORMAT {ABCDSF}	3091	Select Single (A, B, C), Total (A+B+C), or Combined (1 scale, 3 inputs) for ABC scales.
GAIN {GAIN}	3092	Select gain setting to be used for scale platform. (.75mv/v, 1.5mv/v, 3mv/v)

Menu 3.1 – Motion (JL 31)

*MOTION {MOTION}	3101	ON = motion arrow flashes for unstable weight.
*MOTION WEIGHT {MOT WT}	3102	Enter weight used to detect Motion. 0=Standard Motion detection.

Menu 3.2 – Analog Out (JL 32)

ANALOG LOW WEIGHT {LOW WT}	3201	Enter Analog weight value to equal 4mA or 0 Volts.
ANALOG HIGH WEIGHT {HIGHWT}	3202	Enter Analog weight value to equal 20mA or 5 Volts.
ANALOG SELECT {ANALWT}	3203	Select 0-5V or 0-20ma output.
NEGATIVE ANALOG OUTPUT {-ANALG}	3204	Allow 4-20mA to output weight values less than Analog Low Weight.
ANALOG OUTPUT TEST {ANTEST}	3209	Select output for testing. Normal, Min, Max, or Saw.

Menu 3.3 – Accelerometer (JL 33)

*ACCELEROMETER MACHINE LEVEL {NOTLVL}	3304	Allows of leveling of accelerometer when installed on machine.
*ACCELEROMETER FILTER {ACLFLT}	3305	Decrease this number to smoothen filtering
*ACCELEROMETER DELTA DEGREE ADJUST {DEGDEL}	3307	Enter maximum allowable degree change to save a new value.
*ACCELEROMETER AVERAGE {ACLAVG}	3308	Enter frequency of averaging sample data.
*ACCELEROMETER FORWARD DIRECTION {ORIENT}	3309	Set forward direction of accelerometer (Back, Front, Left, Right, Top, Bottom)
*ACCELEROMETER PITCH ADJUST {P ADJ}	3311	Allows adjustment of the accelerometer pitch (Entered in degrees)
*ACCELEROMETER ROLL ADJUST {R ADJ}	3312	Allows adjustment of the accelerometer roll (Entered in degrees)
*ACCELEROMETER PITCH RANGE {P RANG}	3313	Enter maximum range of the displayed pitch.
*ACCELEROMETER_ROLL_RANGE {R RANG}	3314	Enter maximum range of the displayed roll.
*ACCELEROMETER OVER FORCE {OVRFRCL}	3315	Enter maximum force device will use to calculate angles without error.

Menu 4.0 - Preset, Alarm, and Timer (JL 40)

- *PRE ALARM METHOD {P_{ATHD}}
- *PRE ALARM {P-ALM}
- *ALARM OUTPUT {AL_{OUT}}
- *BUZZER {BUZZER}
- *RELAY {RELAY}
- *PRESET ADVANCE DELAY {PRTOLY}
- *RELAY OUT {RLY_{OUT}}
- *PRESET CLEAR ON PRINT {PRCLPT}
- *ING/PEN WEIGHT TOGGLE {WEITOG}

MENU 4 – PRESET, ALARM, and TIMER (Jump List 4)

4001	Select weight or percentage method, then enter a value to activate an early warning that scale is reaching the preset.
4002	Enter a value to activate an early warning that scale is reaching the preset.
4003	Select Preset OR TR to control Relay, Horn & Lamp. Switch to control Lamp.
4004	ALARM BUZZER–Alarm Horn can be shortened or turned OFF.
4005	Select behavior for +12VDC Alarm Output.
4006	Select seconds to delay before clearing a normal preset.
4008	Select the state of the relay when preset is reached. SIG12V or SIG 0V.
4009	ON = Clears preset and preset ID when a print occurs.
4012	When enabled, ingredient/pen name will toggle if no motion is detected for 6 seconds.

Menu 4.1 – Setpoint (JL 41)

- *SET OVER UNDER {SETOUT}
- *CHANGE WEIGHT {SETCHG}
- *CHANGE DELAY {SETDEL}
- *SET POINT {SETPNT}
- *SET POINT COUNTER {SETCTR}
- *SET POINT WEIGHT SOURCE {STWTS_C}

4101	Select ON for +12VDC ALARM when Over or UNDER set point.
4102	Enter the weight below the set point for output to change.
4103	Time 12V Alarm output remains constant before it changes.
4104	Enter set point at which 12V Alarm output changes.
4105	Counts how many times set point is activated.
4106	Select weight source to activate the 12V Alarm (normal or serial)

Menu 4.2 – Preset Tolerance (JL 42)

- *TOLERANCE METHOD {T_{ATHD}}
- *TOLERANCE {TOLER}
- *TOLER OVER LOCK {OVERLCK}

4201	Select weight or percentage method, then enter a value to accept preset and print and clear.
4202	Enter a value to accept preset and print and clear.
4203	ON = prevents auto-advancing if preset exceeds tolerance

Menu 4.3 – Mixer Revolutions (JL 43)

- *TIMER/COUNTER {TARCTR}
- *DRIVE RATIO {DRATIO}

4301	Select time or mixer revolutions to decrement mix timer/counter.
4302	Enter the number of input pulses that equal 1 mixer revolution.

MENU 5 – COMMUNICATION PORT MAPPING (Jump List 5)

Menu 5.0 – Port Outputs (JL 50)

- *REMOTE DISPLAY PORT {RADPRT}
- *RADIO PORT {RADPRT}
- *EXTERNAL RADIO PORT {EXRPRT}
- WI-FI PORT {WIPORT}
- *PRINTER PORT {PRPORT}
- *SCOREBOARD PORT {SCPRT}
- *OPSTAT PORT {OPSTAT}
- *DDL PORT {DDLPT}
- *20MA MIRROR PORT {ZOMARR}
- *RECIPE PORT {RECPRT}
- *GPS PORT {GPSPRT}
- *SCOREBOARD 2 PORT {SC2PRT}
- *BLUETOOTH PORT {BLPRT}
- *REMOTE DISPLAY PORT 2 {RAD2PT}
- *CAN PORT {CANPRT}
- *DEBUG PORT {DBGPRT}

5001	Sets serial remote display output. OFF, COM1, COM2, or COM 3
5002	Sets internal radio port. OFF, COM1, COM2, or COM 3
5003	Sets external radio port. OFF, COM1, COM2, or COM 3
5004	Sets external WiFi port. OFF, COM1, COM2, or COM 3
5005	Sets printer port. OFF, COM1, COM2, or COM 3
5006	Sets scoreboard port. OFF, COM1, COM2, or COM 3
5007	Sets opstat port. OFF, COM1, COM2, or COM 3.
5009	Sets DDL port. OFF, COM1, COM2, or COM 3
5011	Sets port for 20MA signal to mirror. OFF, COM1, COM2, or COM 3
5012	Sets recipe output port. OFF, COM1, COM2, or COM 3
5013	Sets GPS port. OFF, COM1, COM2, COM 3, or COM 4
5015	Sets Scoreboard 2 output port. OFF, COM1, COM2, COM 3, or COM 4
5016	Sets Bluetooth port. OFF, COM1, COM2, COM 3, or COM 4
5018	Sets serial remote display output 2. OFF, COM1, COM2, or COM 3
5111	Sets CAN port. 1 or 2
5999	Sets internal debug port. OFF, COM1, COM2, or COM 3

MENU 6 – APPLICATION SPECIFIC (Jump List 6)

Menu 6.0 – Common Batching (JL 60)

- BATCH PRE-ALARM METHOD {BP_{ATHD}}
- BATCH PRE-ALARM {BP-ALM}
- INGRED. TOLERANCE METHOD {IT_{ATHD}}
- INGREDIENT TOLERANCE {ITOLER}
- PEN TOLERANCE METHOD {PT_{ATHD}}
- PEN TOLERANCE {PTOLER}
- BATCH TOLERANCE OVERLOCK{BOVRLCK}
- BATCH ADVANCE DELAY {BDELAY}
- MANUAL PEN ADVANCE {MAMPEN}
- INGREDIENT STARTED WEIGHT {I_{START}}
- PEN WEIGHT {PEN_{WT}}
- RESIZE RECIPE {RESIZE}

6001	Select weight or percentage method for batch pre-alarm
6002	Enter value to activate an early warning that scale is reaching preset.
6003	Select weight or percentage method for ingredient tolerance.
6004	Enter value to accept ingredient for auto advance.
6005	Select weight or percentage method for pen tolerance.
6006	Enter value to accept pen for auto advance.
6007	ON = prevents auto-advancing if preset exceeds tolerance
6008	Select seconds to delay before advancing to next feedline.
6009	ON = Overrides Automatic advance for Pens.
6011	This weight threshold determines if the ingredient has been started.
6012	Select method for displaying pen weight - Net, Load, or Gross.
6013	ON = operator can change recipe size.

Menu 6.0.5 – Common Batching/Selection Based on Application

- RECIPE PRINT FORMAT {RECFRT}
- RECIPE TOTAL {RECTOT}
- INGREDIENT RE-SIZING {INGSIZ}
- PROGRAM RECIPE {PROGRM}

6051	Defines how scale will print when in weighing mode or a batch.
6052	Selects Total amount to be displayed when starting recipe.
6053	Selects Automatic Ingredient Re-Sizing mode.
6054	Selects program method, PC or at SCALE.

Menu 6.1 – 3410 Batching (JL 61)

- ENTRY METHOD {E_{ATHD}}
- DISPLAY SCOOP % {SCDOP%
- INGREDIENT NAMES {INGRNM}
- ACCUMULATION {ACCUM}

6101	Select batching 1-amount/animal 2-percent/load 3-amount/load.
6102	ON = displays scoop percentage to load.
6103	ON = displays ingredient names while batching
6104	ON = load/unload weights are accumulated while batching.

Menu 6.2 – 3610/4610 Batching (JL 62)

FORCE USER ID {USERID}
 RECIPE KEYS {RECKEY}
 BATCH NUMBER {BATHUM}
 DOUBLE KEY {DBLKEY}
 RECIPE REMAIN ACTIVE {RE-USE}
 RECIPE ENTRY METHOD {RENTRY}
 SPLIT LOAD {SPLDAD}
 STARTING PRESET WEIGHT {STPRST}
 SMALL INGREDIENT DISPLAY {SMINGR}
 UNDONE RECIPES {UNDM I}
 DISPLAY RECIPE PENS {RECPEN}
 ERASE DONE FEEDLINE {ERASFD}
 MEDIA STORAGE {MSTORE}
 RANGE TEST {R-TEST}
 AUTO START PENS {AUTPEN}
 FEED ZONE {FDZONE}
 PARTIAL FEEDING {PARTFD}
 MIMIC TYREL {TC1300}
 PEN CHECK METHOD {PCATHD}
 PEN CHECK {PENCHK}
 PEN STARTED WEIGHT {PSTART}
 DUMP DATA ON CLEAR {DDOCLR}
 LEGACY BATCH NUMBER {LBTNUM}
 PENS DIRECT ENTRY {PENDIR}
 AUTO HOLD {AUTHLD}
 AUTO HOLD MINIMUM RPM {RHARMP}
 AUTO HOLD DELAY {AH DLY}

6201 ON = operator MUST enter User ID to use scale.
 6202 ON = disables certain keys when Loading / Unloading Recipe.
 6203 Select either PC or EZ to control the batch number.
 6204 Ignore extra INGR ADVANCE keys while feeding.
 6205 Allows recipes to be RE-USED for another load.
 6206 Select recipe start method - recipe name or batch number.
 6207 ON = Pen presets are re-calculated after each ingredient/pen.
 6208 ON = Return the starting preset in the timer/bunk read field of feedline
 6209 Enter value to display small ingredient message.
 6211 ON = displays all incomplete recipes.
 6212 ON = pens are displayed when selecting recipes.
 6214 ON = Erases done feedlines after data transfer.
 6215 Select MANUAL, AUTO or Quick START methods for transferring recipe information
 6216 ON = Feedlines sent from DataLink are marked "done".
 6217 ON = Starts Pens List after Recipe is loaded.
 6218 Select feed zone for recipe deliveries.
 6219 ON = Partial feedings will be recorded.
 6221 ON = Records preset weights like a Tyrel TCX-1300 Indicator.
 6222 Select weight or percentage method for pen check option.
 6223 Enter value to verify if pen has been underfed.
 6224 This weight threshold determines if the pen has been started.
 6225 When recipe/pen is exited by pressing CLEAR key, an output is sent to the printer.
 6226 Modifies batch number when indicator is used in Batch Box / Stationary Mixer mode
 6227 ON = Pressing PENS key allows direct delivery without ingredient loading.
 6231 Enables / Disables Auto Hold feature
 6232 Minimum detected RPMs to trigger Auto-Hold (0-3000)
 6233 Delay Time to Start / Stop Auto-Hold feature

Menu 6.3 – Preset Active Signal (JL 63)

UNLOAD WEIGHT DISPLAY {UNWEDI}
 AUTO LOAD PRESET {ALP}
 PRESET ACTIVE SIG. TIMEOUT {PAST}
 UNLOAD ALARM {U ALRM}
 OUTPUT TOLERANCE METHOD {OTATHD}
 OUTPUT TOLERANCE {OTOLER}
 UNLOAD DELAY {UDELAY}

OUTPUT SIGNAL CONTROL
 6301 NET = From zero, GROSS = Display total weight, LOAD = Unload from preset
 6302 ON = Load the stored preset when unloading begins.
 6303 Time to continue preset active signal after preset is reached.
 6304 UNLOAD ALARM BUZZER – Alarm duration can be shortened or turned OFF.
 6305 Select weigh or percentage method for output tolerance method.
 6306 Enter value to accept preset active signal, in line with the relay setting
 6308 Enter seconds to delay printing of the record when loading/unloading is completed (ST3410 ONLY)

Menu 6.4 – AUTOLOG (JL 64)

RPM START/STOP CONTROL {RSSCTL}
 RPM STOP SPEED {RSSMIM}
 RPM START TOL SPEED {RSSTOL}
 RPM START DELAY {RSSTOY}
 RPM STOP DELAY {RSSPOY}
 RMT CC START STOP ENABLE {RAC EN}
 GPS TRIGGER TOLERANCE {GPSTOL}
 GPS STARTUP ENABLE {GPSHOW}
 FEEDBOX STRT/STP POLARITY {FS POL}
 SWITCH START DELAY {SWSTOY}
 SWITCH STOP DELAY {SWSPDY}

6401 Three settings available, RPM, SWITCH, or MANUAL.
 6402 Set to 20-50% of PTO operating RPMs. Stop is activated using this value.
 6403 Set to 10% of PTO operating RPMs. Start is activated using this value + D.A.N. 6402
 6404 Start activated when RPMs above D.A.N 6402 + D.A.N. 6403 for this time in seconds
 6405 Stop activated when RPMs below D.A.N 6402 for this time in seconds
 6406 ON = Enables Cab Control start/stop control.
 6408 Enter weight change that will trigger GPS recording.
 6409 Enables GPS Satellite screen upon startup.
 6411 Select Open or Close to activate automatic Start/Stop.
 6412 Seconds to delay start after switch is enabled.
 6413 Seconds to delay stop after switch is disabled.

Menu 6.5 – Nutrient/Yield Tracker (JL 65)

APPLICATION UNITS {A UNIT}
 APPLICATION RATE {RATE}
 APPLICATION WIDTH {WIDTH}
 TOTAL ACRES {ACRES}
 APP RATE ESTIMATE {RRATEI}
 APP RATE AVERAGE {RRATEZ}
 APP RATE WINDOW {RRATE3}
 APP MINIMUM SAMPLES {RRATE4}
 APP RATE EQUAL WEIGHTS {RWEQUL}
 APP RATE SPEED ADJUST {RRATES}
 APP RATE LOAD / UNLOAD {R L/UL}
 GPS STORAGE INTERVAL {GPSSTR}
 APP RATE MINIMUM SPEED {RPMNSP}
 LOAD/UNLOAD MEASURE {RUMITS}
 GPS STORAGE LOCATION {GPSTLC}
 GPS SERIAL STREAMING {GPS5SR}
 RESET USB STORAGE {CLRARRU}

6501 Enter application units in English or Metric.
 6502 Enter the desired rate in Tons per Acre (or Tonnes / Hectare).
 6503 Enter the spread width in feet (or meters).
 6504 Shows a running total of acres spread/harvested on the selected field.
 6505 The number of weight samples used for the application rate estimate. Increase value to smoothen (2 to10).
 6506 The number of rate samples averaged. Increase value to smoothen (1 to 5).
 6507 Determines range for minimum or maximum samples. Uses minimum samples when outside of window. 0 = 'OFF', 1 = RATE
 6508 Minimum samples used in APP RATE WINDOW. Decrease for faster response.
 6509 Increase value for low application rates.
 6510 Select FAST for faster response when beginning to unload.
 6511 Select Load, Unload, or Auto detect for displaying T/A while loading or unloading.
 6512 Time interval used to store GPS data.
 6513 Minimum speed to use when calculating application rate
 6514 Select units to be measured. TONS or LB
 6515 Select location to store USB records.
 6516 When enabled, GPS application rate data is streamed out the serial port.
 6599 Resets USB storage if errors occur..

Menu 6.6 – Seed Tender (JL 66)

NUMBER OF BINS {BINNUM}
 VARIABLE THROTTLE {STTHRO}

6601 Number of bins 0-10, 0 = bin feature off.
 6613 ON = Enables seed tender variable throttle control

Menu 6.8 – Moisture (JL 68)

MOISTURE WEIGHT TOLER {*WTHRD*}
SHOW CURRENT MOISTURE {*SHOWMT*}
SHOW MOISTURE TEMP. {*SHOTMP*}
SHOW BUSHEL WEIGHT {*BUSHDW*}
CLEAR VOLTAGE MEMORY {*CLRDMV*}
MOISTURE VOLT. RECORDS {*VMYREC*}
SAVE MOISTURE VOLT. REC. {*SAVMDV*}
SAVE ALL MOIST. RECORDS {*ADDMAP*}
MOISTURE DEBUG {*ADDEBUG*}

6801 Enter unloaded weight to indicate flow over sensor.
6802 Displays current moisture value.
6803 Display current temperature in Fahrenheit.
6804 Shows bushel weight on active screen.
6894 Clears all moisture voltage data.
6896 Displays the number of voltage records in memory.
6897 Save moisture voltage records to USB.
6898 Saves all moisture data to USB.
6899 ON = output debug messages through serial port.

Menu 6.9 – Baler (JL 69)

BALER MAX RANGE {*MAXRMG*}
BALER MAX RANGE OFFSET {*MAXOFF*}
BALER MINIMUM RANGE {*MINRMG*}
BALER SLOPE AVG. TRIP POINT {*SLOPRG*}
BALE MINIMUM WEIGHT {*MIN WT*}
TARGET BALE WEIGHT {*TRGBWT*}

6901 Sample Range to average when finding MAX value.
6902 Offset from last peak before drop for end-point of max. range averaging.
6903 Sample Range to average when finding MIN value (empty chute weight).
6904 Magnitude of negative slope-average threshold that triggers bale drop detection.
6905 Default value to be used for minimum weight (empty bale chute).
6906 Default Target Bale Weight used to improve rejection of false bale-drop detections.

Please note: Scale specific settings can be affected by the same global settings above. When changed they will affect the currently selected scale.

Menu 7.1 – Scale Specific Settings (Scales A&B - JL 71)

SCALE PLATFORM A

*SCALE ID SETUP {*SCALI D*}
*WEIGH METHOD {*W MTHD*}
*DISPLAY UNIT {*LB-KG*}
*DISPLAY COUNT {*COUNT*}
*CAPACITY {*CAP*}
*WM1 ADJUST 1 {*WMA1-1*}
*WM1 ADJUST 2 {*WMA1-2*}
*WM1 ADJUST 3 {*WMA1-3*}
*WM2 ADJUST 1 {*WMA2-1*}
*WM2 ADJUST 2 {*WMA2-2*}
*WM2 ADJUST 3 {*WMA2-3*}
*MOTION {*MOTION*}
*MOTION WEIGHT {*MOT WT*}
*TARE AUTO PRINT {*TAREAP*}
*SAVE TARE {*SAVTARE*}
*WEIGHT COMPENSATION {*WT COMP*}
*PRE FILTERING {*PREFLT*}
*FRACTIONAL WEIGHT CALIBRATION {*CAL100*}
GAIN {*GAIN*}

7101 Identity of scale location (Truck ID or Mixer Number).
7103 Select weigh method 1-General, 2-Slow, 3-Fast, or 4-Lock - On (Stockweigh only)
7104 Display pounds - lb or kilograms - kg
7105 Select display count size of weigh values.
7106 Enter MAXIMUM weight measurable on scale.
7107 Increase this number to smoothen weighing (2 to 100)
7108 0=OFF. Use value less than WMA1-1 for quick weight response.
7109 Enter the weight to activate quick weight response.
7111 Increase this number to smoothen weighing
7112 0=OFF. Use value less than WMA2-1 for quick weight response.
7113 Enter the weight to activate quick weight response.
7114 ON = motion arrow flashes for unstable weight.
7115 Enter weight used to detect Motion. 0=Standard Motion detection.
7116 ON = tare will auto-print displayed weight.
7117 ON = Indicator will save tare weight to non-volatile memory.
7118 Enables weight compensation functionality for scale platform A
7119 Enables pre-filtering for scale platform A
7121 Enables use of fractional CAL numbers for scale platform A
7122 Select gain setting to be used for scale platform. (.75mv/v, 1.5mv/v, 3mv/v)

SCALE PLATFORM B

*SCALE ID SETUP {*SCALI D*}
*WEIGH METHOD {*W MTHD*}
*DISPLAY UNIT {*LB-KG*}
*DISPLAY COUNT {*COUNT*}
*CAPACITY {*CAP*}
*WM1 ADJUST 1 {*WMA1-1*}
*WM1 ADJUST 2 {*WMA1-2*}
*WM1 ADJUST 3 {*WMA1-3*}
*WM2 ADJUST 1 {*WMA2-1*}
*WM2 ADJUST 2 {*WMA2-2*}
*WM2 ADJUST 3 {*WMA2-3*}
*MOTION {*MOTION*}
*MOTION WEIGHT {*MOT WT*}
*TARE AUTO PRINT {*TAREAP*}
*SAVE TARE {*SAVTARE*}
*WEIGHT COMPENSATION {*WT COMP*}
*PRE FILTERING {*PREFLT*}
*FRACTIONAL WEIGHT CALIBRATION {*CAL100*}
GAIN {*GAIN*}

7151 Identity of scale location (Truck ID or Mixer Number).
7153 Select weigh method 1-General, 2-Slow, 3-Fast, or 4-Lock - On (Stockweigh only)
7154 Display pounds - lb or kilograms - kg
7155 Select display count size of weigh values.
7156 Enter MAXIMUM weight measurable on scale.
7157 Increase this number to smoothen weighing (2 to 100)
7158 0=OFF. Use value less than WMA1-1 for quick weight response.
7159 Enter the weight to activate quick weight response.
7161 Increase this number to smoothen weighing
7162 0=OFF. Use value less than WMA2-1 for quick weight response.
7163 Enter the weight to activate quick weight response.
7164 If ON - motion arrow flashes for unstable weight.
7165 Enter weight used to detect Motion. 0=Standard Motion detection.
7166 ON = tare will auto-print displayed weight.
7167 ON = Indicator will save tare weight to non-volatile memory.
7168 Enables weight compensation functionality for scale platform B
7169 Enables pre-filtering for scale platform B
7171 Enables use of fractional CAL numbers for scale platform B
7172 Select gain setting to be used for scale platform. (.75mv/v, 1.5mv/v, 3mv/v)

Menu 7.2– Scale Specific Settings (Scales C&D - JL72)

SCALE PLATFORM C

*SCALE ID SETUP {SCALID}
 *WEIGH METHOD {W MTHD}
 *DISPLAY UNIT {LB-KG}
 *DISPLAY COUNT {COUNT}
 *CAPACITY {CAP}
 *WM1 ADJUST 1 {WMA1-1}
 *WM1 ADJUST 2 {WMA1-2}
 *WM1 ADJUST 3 {WMA1-3}
 *WM2 ADJUST 1 {WMA2-1}
 *WM2 ADJUST 2 {WMA2-2}
 *WM2 ADJUST 3 {WMA2-3}
 *MOTION {MOTION}
 *MOTION WEIGHT {MOT WT}
 *TARE AUTO PRINT {TAREAP}
 *SAVE TARE {SAVTAR}
 *WEIGHT COMPENSATION {WT COM}
 *PRE FILTERING {PREFLT}
 *FRACTIONAL WEIGHT CALIBRATION {CALIDC}
 GAIN {GAIN}

7201 Identity of scale location (Truck ID or Mixer Number).
 7203 Select weigh method 1-General, 2-Slow, 3-Fast, or 4-Lock - On (Stockweigh only)
 7204 Display pounds - lb or kilograms - kg
 7205 Select display count size of weigh values.
 7206 Enter MAXIMUM weight measurable on scale.
 7207 Increase this number to smoothen weighing (2 to 100)
 7208 0=OFF. Use value less than WMA1-1 for quick weight response.
 7209 Enter the weight to activate quick weight response.
 7211 Increase this number to smoothen weighing
 7212 0=OFF. Use value less than WMA2-1 for quick weight response.
 7213 Enter the weight to activate quick weight response.
 7214 ON = motion arrow flashes for unstable weight.
 7215 Enter weight used to detect Motion. 0=Standard Motion detection.
 7216 ON = tare will auto-print displayed weight.
 7217 ON = Indicator will save tare weight to non-volatile memory.
 7218 Enables weight compensation functionality for scale platform B
 7219 Enables pre-filtering for scale platform C
 7221 Enables use of fractional CAL numbers for scale platform B
 7222 Select gain setting to be used for scale platform. (.75mv/v, 1.5mv/v, 3mv/v)

SCALE PLATFORM D

*SCALE ID SETUP {SCALID}
 *WEIGH METHOD {W MTHD}
 *DISPLAY UNIT {LB-KG}
 *DISPLAY COUNT {COUNT}
 *CAPACITY {CAP}
 *WM1 ADJUST 1 {WMA1-1}
 *WM1 ADJUST 2 {WMA1-2}
 *WM1 ADJUST 3 {WMA1-3}
 *WM2 ADJUST 1 {WMA2-1}
 *WM2 ADJUST 2 {WMA2-2}
 *WM2 ADJUST 3 {WMA2-3}
 *MOTION {MOTION}
 *MOTION WEIGHT {MOT WT}
 *TARE AUTO PRINT {TAREAP}
 *SAVE TARE {SAVTAR}
 *WEIGHT COMPENSATION {WT COM}
 *PRE FILTERING {PREFLT}
 *FRACTIONAL WEIGHT CALIBRATION {CALIDC}
 GAIN {GAIN}

7251 Identity of scale location (Truck ID or Mixer Number).
 7253 Select weigh method 1-General, 2-Slow, 3-Fast, or 4-Lock - On (Stockweigh only)
 7254 Display pounds - lb or kilograms - kg
 7255 Select display count size of weigh values.
 7256 Enter MAXIMUM weight measurable on scale.
 7257 Increase this number to smoothen weighing (2 to 100)
 7258 0=OFF. Use value less than WMA1-1 for quick weight response.
 7259 Enter the weight to activate quick weight response.
 7261 Increase this number to smoothen weighing
 7262 0=OFF. Use value less than WMA2-1 for quick weight response.
 7263 Enter the weight to activate quick weight response.
 7264 ON = motion arrow flashes for unstable weight.
 7265 Enter weight used to detect Motion. 0=Standard Motion detection.
 7266 ON = tare will auto-print displayed weight.
 7267 ON = Indicator will save tare weight to non-volatile memory.
 7268 Enables weight compensation functionality for scale platform B
 7269 Enables pre- filtering for scale platform D
 7271 Enables use of fractional CAL numbers for scale platform B
 7272 Select gain setting to be used for scale platform. (.75mv/v, 1.5mv/v, 3mv/v)

Menu 7.3 – Conveyor (JL 73)

CONVEYOR LEGTH (MM) {LEN MM}
 CONVEYOR SPINDLE DIA (MM) {DIA MM}
 CONVEYOR PULSES PER REVOLUTION {PULSES}
 CONVEYOR MINIMUM WEIGHT {MIN WT}
 CONVEYOR MINIMUM RPM {MINRPM}
 CONVEYOR MEASURE EMPTY {CNVEEMP}
 CONVEYOR SPEED FACTOR {SPOFAC}
 CONVEYOR RPM AT SPEED FACTOR {RPM SF}
 CONVEYOR RPM REF. 100 % SPEED FACTOR {RPM SF}
 CONVEYOR ENABLE SPEED FACTOR {SPDRAJ}
 START/STOP ACCUMULATOR {ACCUM}
 CONVEYOR MINIMUM WEIGHT {MIN WT}

7301 Effective scale platform length; length of conveyor considered "on-scale" (measured in MM)
 7302 Diameter of conveyor spindle sensed by rpm input, including belt (measured in MM)
 7303 Number of input pulses per revolution of the conveyor spindle being monitored
 7304 Minimum weight to be considered 'valid'; use to avoid accumulating weight due to variations of empty conveyor moving
 7305 Minimum RPM to be considered "moving"
 7306 Monitor empty conveyor, calculate average weight, and set estimated weight to adjust zero-ref
 7307 Speed-dependent factor to adjust algorithm as speed changes
 7308 Speed-dependent factor to adjust algorithm as speed changes
 7309 Speed-dependent factor to adjust algorithm as speed changes
 7311 Enable/disable use of speed-dependent factor
 7312 Start / Stop accumulation mode (SET) or check current status (GET) via CAN message
 7314 Minimum (fractional) weight to be considered 'valid'. Use if more resolution is needed then (MIN WT - 7304)

MENU 8 – SETUP, CALIBRATION, AND MAINTENANCE (Jump List 8)

Menu 8.0 - Sign-On & Maintenance Messages

SIGNON SETTING {SIGNON}
 SIGNON MESSAGE {SIGNMSG}
 MAINTENANCE MESSAGE {MAINTMSG}
 MAINTENANCE MESS. TIME {MAINTTMR}
 MAINTENANCE MESS. CLEAR {MAINTCLR}
 MARQUE ACTIVATION {MARQUE}

8001 ON/OFF Control for enable/disable display of sign-on message.
 8002 Edit sign-on message.
 8011 Edit maintenance message.
 8012 Time for maintenance message to be triggered
 8013 Allows for clearing of maintenance message time or entry of new time.
 8031 Displays current time if weight is less than 2% capacity and no motion is detected.

Menu 8.1 Calibration

DEAD WEIGHT CAL {CAL}
 TEMP CALIBRATION {T CALB}
 CALIBRATION MATCH {CALMAT}
 MOISTURE MATCH {MOI MAT}

8121 Calibration method using weights.
 8123 ON = scale adjust for temperature changes.
 8124 Calibration method used for matching a known weight.
 8125 Adjusts the underlying factor to calculate the moisture for the next and future loads.

Menu 8.2 Memory Management

CLEAR MEMORY/REUSE
CLEAR NVRAM
CLEAR RECORDS {*CLEARR*}
CLEAR NVRAM
FILL RECORD MEMORY

8201 Clears feedline memory = ON key or Reuse feedlines = CLEAR key.
8202 Reset all internal data storage values stored in non-volatile memory. (TMR)
8211 Erases all data records stored in memory.
8212 Reset all internal data storage values stored in non-volatile memory. (GT/NT)
8298 Fills the indicator's memory with records (used for testing)

Menu 8.7 Setup Number and Settings

*SETUP NUMBER {*SETUP*}
*CALIBRATION NUMBER {*CAL*}
SAVE CURRENT REST. IMAGE {*SAVEPREM*}
LOAD CURRENT REST. IMAGE {*LD PREM*}
SAVE SET TO REST. IMAGE {*ST SET*}
RESTORE SET. TO REST. PT {*SW SET*}
SYSTEM DATE FORMAT{*SYSDTF*}
LOAD DISPLAY POOL {*L POOL*}
DISPLAY POOL STATUS {*D POOL*}
SAVE RAW FACTOR TO USB {*S FRACT*}
LOAD RAW FACTOR FROM USB {*L FRACT*}
VIEW ISOBUS UTILIZATION {*ISOUSE*}
*ISOBUS VT ENABLE {*ISO VT*}
*ISOBUS NAME {*ISONAM*}
*APPLICATION SEND {*APPSND*}

8711 Quick entry value to select weigh method (1-4 lb) (5-8 kg), gain (1-9), display counts (0-9), and capacity (*1000)
8712 Weight displayed at 0.4mV/V for these loadcells.
8713 Saves the current and restore settings to XML files on the USB.
8714 Loads any of the restore images from the USB and saves those settings in memory.
8715 Stores current settings into 1 of restore point images. (USER, OEM, FACTORY)
8716 Restores a restore point to current settings. (USER, OEM, FACTORY)
8719 Allows date format to be changed when printing stored records.
8732 Load a display pool from the USB device into internal memory.
8733 Show/Display pool status in internal memory.
8734 Save a raw ISOBUS 4kb factor from internal memory (serial flash) onto a USB device.
8735 Load a raw ISOBUS 4kb factor from the USB device into internal memory.
8743 View ISOBUS CAN traffic usage as a percent (between 0-100%).
8745 Enable/Disable uploading mask (pool) data up to a VT
8746 Allows selection of the device name. SL1 or SL2 (For use in ISOBUS applications)
8747 Allows sending of application specific information (For use in ISOBUS applications)

Please note: Scale specific Setup and Calibration settings can be affected by the same global settings above. When changed, they will affect the currently selected scale.

Scale Platform A

*SETUP NUMBER {*SETUP*}
*CALIBRATION NUMBER {*CAL*}

8771 Quick entry value to select weigh method, gain, display counts, and capacity.
8781 Weight displayed at 0.4mV/V for these loadcells.

Scale Platform B

*SETUP NUMBER {*SETUP*}
*CALIBRATION NUMBER {*CAL*}

8772 Quick entry value to select weigh method, gain, display counts, and capacity.
8782 Weight displayed at 0.4mV/V for these loadcells.

Scale Platform C

*SETUP NUMBER {*SETUP*}
*CALIBRATION NUMBER {*CAL*}

8773 Quick entry value to select weigh method, gain, display counts, and capacity.
8783 Weight displayed at 0.4mV/V for these loadcells.

Scale Platform D

*SETUP NUMBER {*SETUP*}
*CALIBRATION NUMBER {*CAL*}

8774 Quick entry value to select weigh method, gain, display counts, and capacity.
8784 Weight displayed at 0.4mV/V for these loadcells.

Miscellaneous Utilities

ALL GPS MEMORY TO USB {*GPSDMP*}
ALL REST. POINT MEM TO USB {*RESDMP*}
KEYTEST
KEY LOG DUMP
CLOCK

8798 Advanced diagnostics tool, dumps GPS memory to USB.
8799 Advanced diagnostics tool, dumps all binary data in restore images memory to USB.
8888 Enables front panel key test.
8899 Downloads the last 680 keys pressed on the indicator.
8997 Enables clock – press any key to return to weighing mode.

***Direct Access Numbers supported via TST7600 - NOTE: DAN functionality supported in TST7600 version 2.7 or higher**