

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.

LONG FORM - SETUP/CALIBRATION SETTINGS

Please note: Settings will only be displayed if their feature is found in the indicator model.

MENU 1 - BASIC FEATURES IN MOST SCALES

LANGUAGE {LANGAG}	101	Select Language to be displayed.
DISPLAY RATE {D RATE}	102	Update Display 1, 2, 3, or 4 Times per Second.
MOTION {MOTION}	103	If ON - motion arrow flashes for unstable weight.
ZERO TRACK {ZTRACK}	104	If ON - zero track adjust balance for buildup of snow & mud.
WEIGH METHOD {W MTHD}	105	Select weigh method 1-General 2-Slow 3-Fast 4-Lock On
LOCK ON {LOCKON}	106	Lower number if lock-on does not repeat-Raise to lock-on faster
TR HOLD {TR HLD}	107	Display gross weight if TR key is held for 3 seconds.
SCALE ID SETUP {SCALID}	108	Identity of scale location (Truck ID or Mixer Number).
LOCK-N-HOLD {LKNHLD}	109	If ON - lock weight is held until next animal is weighed.
AUTO OFF {AUTOFF}	111	Indicator turns off after selected minutes of stable weight.
LOCK ON STORE {L STORE}	112	Select lock on storage method.
LSTORE SEND MODE {LSEND}	113	ON=sends data with animal on scale. OFF=when animal leaves
EID STORE {E STORE}	114	If ON - records are stored to internal memory.
1 PRESS ZERO {1 ZERO}	115	If ON - Press and hold the Zero key to Zero/Balance scale.
POWER LOSS MESS {PURLDS}	116	If ON - Display time & date of power loss if preset/recipe active.
EID AUTO RECORD{EIDAUT}	117	If ON - Immediately records eid tag.
SCROLL DELAY {SCROLL}	118	Slow scroll rate for cold temperatures. 0=normal to 9=slowest.
TR KEY FUNCTION {TRKEYF}	121	Select function of TR key (TARE, START/STOP, PRINT, LOAD, HOLD, etc...).
FORCE PREMIS ENTRY{GINPIN}	123	If ON - Operator MUST enter Group & Premis to use scale.
SW4600 DEVIATION{SW DEVA}	124	If ON - Enables standard deviation screens on SW4600 EID.
MOTION WEIGHT{MOT WT}	125	Enter weight used to detect Motion. 0=Standard Motion detection.
LOCK-ON TIME ADJ{LOCKTM}	126	Adjust the time required to lock onto a weight. Lower to lock on faster.
CLEAR LOCK-ON AT ZERO{LKZERO}	127	If OFF - Indicator can lock onto a new weight without returning to zero.
MOTION LOCK SETUP{MOT LK}	128	If ON - will not allow PRINT or ENTER key if motion is detected.
NO LOW BATTERY SENSING{NOLBAT}	129	If ON - Indicator will never display low battery status.
SAVE TARE{SAVTAR}	131	If ON - Indicator will save tare weight to non-volatile memory.
NUMBER OF BINS{BINNUM}	132	Number of bins 0-10, 0 = bin feature off.
NUMBER OF ROWS{ROWNUM}	133	Number of rows 0-100 used in CALC function, 0 = manual entry.
ROW MAX CAPACITY{ROWMAX}	134	Maximum capacity to limit preset in CALC function, 0 = no limit.
PROGRAM ID{PRG ID}	198	Displays the software version.

MENU 2 - CLOCK, PRINTER, COMMUNICATIONS & ESTIMATED WEIGHT FEATURES

TIME FORMAT {TIME F}	201	Select time format - AM/PM or 24 hour
TIME {TIME}	202	Select key changes time, Function key choses hh:mm:ss.
DATE FORMAT {DATE F}	203	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.
DATE {DATE}	204	Select key changes date - Function key choses mm/dd/yy
DATE CHECK {DT CHK}	205	If ON - Indicator verifies the real time clock has a valid date at power up
TARE AUTO PRINT {TAREAP}	211	If ON - tare will auto-print displayed weight.
ONE LINE PRINT {1L PRT}	212	If ON - scale data will be printed on one line.
SCOREBOARD MODE{SCOREM}	213	Select scoreboard output.
AUTO PRINT {APRINT}	214	If ON - pressing keys will auto-print weight values.
COMPUTER IN MODE {COM IN}	215	DOWNLD = Data Down Loader, EZ CMD = Original EZ Commands & EZ2CMD = EZII Escape Commands.
PRINT FORMAT{PRTFAT}	216	Select alternate & comma (CSV) formats.
MEDIA TYPE{MEDIA}	217	Select DDL, Datakey or Serial PC for data storage.
REMOTE{REMOTE}	218	If ON - Communicate with Cab Control Display, MTLINE = 3 Line Display Cab Control
ZERO OUTPUT {ZEROUT}	219	Perform the Zero/Balance for the SCOREM #11 weight output and the Analog Output Option (4-20mA).
COM 1 DELAY {C1 DLY}	221	Select seconds to delay before advancing to next line.
COM 2 DELAY {C2 DLY}	222	Select seconds to delay before advancing to next line.
PRINT ACCUMULATION{PRTACC}	223	Shows a running total of the weights printed.
RMT CC START STOP ENABLE{RMC EM}	224	If ON - Enables Cab Control start/stop control.
RECORD SIZE{RECSIZ}	225	Select how many print lines make a record.
RADIO RESET{RADRES}	228	Select between hardware reset or software for internal radio.
EXTERNAL RADIO{EXTRAD}	229	If ON - Enables external radio to be attached to the J905 port.

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SCALE NUMBER{ <i>SCL NO</i> }.....	231	Select Scale Number for Cab Control communications.
REMOTE DISPLAY{ <i>RMDISP</i> }	234	Select type of Remote Display.
PRINT KEY OPERATION{ <i>TARPR</i> }	235	Reverse operation of Print/Tare key on the CC400 or EZ400.
BAR GRAPH MODE{ <i>BARGRP</i> }	236	Select output for bar graph display.
BAR GRAPH WEIGHT{ <i>BAR WT</i> }	237	Enter the Full Scale Gross weight for the bar graph display.
PRINT BUFFER{ <i>BUFFER</i> }	238	If ON - printed records are stored in internal memory.
PB SCROLL BY LINES{ <i>PBLINE</i> }	239	Scroll through print buffer record memory PBLINE lines at a time. Select 1-3.
ANALOG LOW WEIGHT{ <i>LOW WT</i> }	241	Enter Analog weight value to equal 4mA or 0 Volts.
ANALOG HIGH WEIGHT{ <i>HIGHWT</i> }	242	Enter Analog weight value to equal 20mA or 5 Volts.
ANALOG SELECT { <i>ANADOUT</i> }	243	Select 0-5V, 4-20ma or 0-20ma output.
NEGATIVE ANALOG OUTPUT { <i>-ANALG</i> }	244	Allow 4-20mA to output weight values less than Analog Low Weight.
FRONT PANEL ZEROOUT{ <i>ZEROPP</i> }	249	Use Zero key to zero out the serial gross weight.
REMOTE TERMINAL { <i>RNTERM</i> }	251	If ON – Display data is sent to a Remote Terminal.
ISOBUS WEIGHT { <i>ISO WT</i> }	252	Select rate to broadcast ISOBUS weight data.
OPERATING STATUS { <i>OPSTAT</i> }	253	Select operating data to be sent to a Remote Terminal.
REMOTE TERMINAL PORT { <i>RMPORT</i> }	254	Select scale port used to send data to a Remote Terminal.
DISABLE RMPORT RESPONSE { <i>RMPDPR</i> }	255	If ON – Disable sending 'print' type response to cmds received.
ISOBUS BASE ADDRESS{ <i>ISOBADR</i> }	256	Assign starting base the ISOBUS gateway should 'address claim.'
DISABLE ISOBUS VT MESSAGE{ <i>ISO VT</i> }	257	If ON – Enable ISOBUS gateway to send VT messages.
USE ISOBUS DDI VALUES{ <i>ISODDI</i> }	258	If ON – Send ISO WT using ISOBUS DDI's 229 & 232. OFF – use D/S legacy DDIs.
PRINT ON PIN 2 { <i>PRNT-2</i> }	261	If ON – Print data is sent out pin 2 of the Printer connector.
COM 1-1 PARITY { <i>C1-1PA</i> }	271	Sets COM1-1 parity to 7E1, 8N1, or auto.
COM 1-2 PARITY { <i>C1-2PA</i> }	272	Sets COM1-2 parity to 7E1, 8N1, or auto.
COM 1-3 PARITY { <i>C1-3PA</i> }	273	Sets COM1-3 parity to 7E1, 8N1, or auto.
COM 2 PARITY { <i>C2 PA</i> }	274	Sets COM2 parity to 7E1, 8N1, or auto.
COM 1-1 BAUD RATE { <i>C1-1BD</i> }	275	Sets COM1-1 baud rate to 1200, 2400, 4800, 9600, or auto.
COM 1-2 BAUD RATE { <i>C1-2BD</i> }	276	Sets COM1-2 baud rate to 1200, 2400, 4800, 9600, or auto.
COM 1-3 BAUD RATE { <i>C1-3BD</i> }	277	Sets COM1-3 baud rate to 1200, 2400, 4800, 9600, or auto.
COM 2 BAUD RATE { <i>C2 BD</i> }	278	Sets COM2 baud rate to 1200, 2400, 4800, 9600, or auto.
ESTIMATE WEIGHT { <i>EST WT</i> }	299	Adjust Gross weight of scale by changing the zero/balance.

MENU 3 - SCALE CALIBRATION SETTINGS

DISPLAY COUNT { <i>COUNT</i> }	301	Select display count size of weigh values.
AUTO RANGE { <i>ARRANGE</i> }	302	If ON - Auto increases the display count value by 1 count size at 300 lbs/kgs and 1 more count size at 600 lbs/kgs.
DISPLAY UNIT { <i>LB-KG</i> }	303	Display pounds - lb or kilograms - kg
CAPACITY { <i>CAP</i> }	304	Enter MAXIMUM weight measurable on scale.
WM1 ADJUST 1 { <i>WMA1-1</i> }	305	Increase this number to smoothen weighing (2 to 100)
WM1 ADJUST 2 { <i>WMA1-2</i> }	306	0=OFF. Use value less than WMA1-1 for quick weight response.
WM1 ADJUST 3 { <i>WMA1-3</i> }	307	Enter the weight to activate quick weight response.
WM2 ADJUST 1 { <i>WMA2-1</i> }	311	Increase this number to smoothen weighing
WM2 ADJUST 2 { <i>WMA2-2</i> }	312	0=OFF. Use value less than WMA2-1 for quick weight response.
WM2 ADJUST 3 { <i>WMA2-3</i> }	313	Enter the weight to activate quick weight response.
MIMIC TYREL { <i>TC1300</i> }	321	If ON - Records preset weights like a Tyrel TCX-1300 Indicator.
APPLICATION 10KMH { <i>10K TR</i> }	322	If ON - Transmits application rate (Tons / Acre) for a speed of 10 KMH.
APPLICATION UNITS { <i>A UNIT</i> }	323	Enter application units in English or Metric.
APPLICATION RATE { <i>RATE</i> }	324	Enter the desired rate in Tons per Acre (or Tonnes / Hectare).
APPLICATION WIDTH { <i>WIDTH</i> }	325	Enter the spread width in feet (or meters).
GPS STORAGE INTERVAL { <i>GPSSTR</i> }	326	Time interval used to store GPS data.
TOTAL ACRES { <i>ACRES</i> }	327	Shows a running total of acres spread on the selected field.
APP RATE ESTIMATE { <i>ARRATE1</i> }	331	The number of weight samples used for the application rate estimate. Increase value to smoothen (2 to10).
APP RATE AVERAGE { <i>ARRATE2</i> }	332	The number of rate samples averaged. Increase value to smoothen (1 to 5).
APP RATE WINDOW { <i>ARRATE3</i> }	333	Determines range for minimum or maximum samples. Uses minimum samples when outside of window. 0 = 'OFF', 1 = $RATE +/- RATE$, 9 = $RATE +/- 1/9 RATE$.
APP MINIMUM SAMPLES { <i>ARRATE4</i> }	334	Minimum samples used in APP RATE WINDOW. Decrease for faster response.
APP RATE EQUAL WEIGHTS { <i>ARWEQU</i> }	335	Increase value for low application rates.
APP RATE SPEED ADJUST { <i>ARRATES</i> }	336	Select FAST for faster response when beginning to unload.
APP RATE LOAD / UNLOAD { <i>ALUL</i> }	337	Select Load, Unload, or Auto detect for displaying T/A while loading or unloading.
A,B,C Display Format { <i>ABCOSP</i> }	341	Select Single (A,B,C), Total (A+B+C), or Combined (1 scale, 3 inputs) for ABC scales.

MENU 4 - PRESET, BATCHING & ROTATION COUNTER FEATURES

PRE ALARM { <i>P MTHD</i> } & { <i>P-ALM</i> }	401	Select weight or percentage method, then enter a value to activate an early warning that scale is reaching the preset.
REMOTE INPUT { <i>RM INP</i> }	402	Set function of remote input line on the power cord.
ALARM OUTPUT { <i>AL OUT</i> }	403	Select Preset OR TR to control Relay, Horn & Lamp. Switch to control Lamp.

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BUZZER {BUZZER}	404	ALARM BUZZER–Alarm Horn can be shortened or turned OFF.
PRELOAD TARE {PRETAR}	405	If ON - tare weights can be entered using the numeric keypad
RELAY {RELAY}	406	Select behavior for +12VDC Alarm Output.
UNLOAD ALARM{U ALRM}	407	UNLOAD ALARM BUZZER- Alarm duration can be shortened or turned OFF.
REMOTE SWITCH MESSAGE {RI MSG}	411	Message that is displayed for remote input switch condition.
REMOTE SWITCH STATE {RISTAT}	412	Set remote input line state that displays message and/or illuminates alarm lamp. Open or Closed.
REMOTE SWITCH MSG {RITIME}.....	413	Set how often the remote switch message is displayed. Once every 1-9 seconds.
TIMER/COUNTER {TIMCTR}	421	Select time or mixer revolutions to decrement mix timer/counter.
DRIVE RATIO {DRATIO}	422	Enter the number of input pulses that equal 1 mixer revolution.
SET POINT {SETPNT}	423	Enter set point at which 12V Alarm output changes.
CHANGE WEIGHT {SETCHG}.....	424	Enter the weight below the set point for output to change.
CHANGE DELAY {SETDEL}	425	Time 12V Alarm output remains constant before it changes.
SET OVER UNDER {SETOU}	426	Select ON for +12VDC ALARM when Over or UNDER set point.
SET POINT COUNTER {SETCTR}.....	427	Counts how many times set point is activated.
RECIPE KEYS {RECKEY}	438	If ON - disables certain keys when Loading / Unloading Recipe.
PROGRAM RECIPE {PRGRM}.....	439	Selects program method, PC or at SCALE.
ENTRY METHOD {E MTHD}	441	Select batching 1-amount/animal 2-percent/load 3-amount/load.
TOLERANCE {TOLER}	442	Select weight or percentage method, then enter a value to accept ingredient or turn off relay output on Seed Tender models.
INGR.ADVANCE DELAY{DELAY}	443	Select seconds to delay before advancing to next ingredient.
INGREDIENT NAMES {INGRNM}	444	If ON - displays ingredient names while batching.
ACCUMULATION {ACCU}	445	If ON - ingredient weights are accumulated while batching.
FORCE USER ID {USERID}	446	If ON - operator MUST enter User ID to use scale.
MEDIA STORAGE{MSTORE}	447	Select MANUAL, AUTO or Quick START methods for transferring recipe information with the DDL or Datakey.
RESIZE 3500 RECIPE{RESIZE}	448	If ON - operator can change EZ3500 recipe size.
INGREDIENT RE-SIZING {INGSIZ}.....	449	Selects Automatic Ingredient Re-Sizing mode.
RECIPE TOTAL {RECTOT}.....	451	Selects Total amount to be displayed when starting recipe.
DISPLAY SCOOP % {SCDOP%}	452	If ON - displays scoop percentage to load.
TOLER OVER LOCK {OVERLK}	453	If ON - prevents auto-advancing if preset exceeds tolerance
FEED ZONE {FZZONE}.....	454	Select feed zone for recipe deliveries.
UNDONE RECIPES {UNDM 1}	455	If ON - displays all incomplete recipes.
DISPLAY RECIPE PENS {RECPEN}	456	If ON - pens are displayed when selecting recipes.
RANGE TEST {R-TEST}	457	If ON -Feedlines sent from DataLink are marked "done".
AUTO START PENS {AUTPEM}.....	458	If ON -Starts Pens List after Recipe is loaded.
ERASE DONE FEEDLINE{ERASFD}	459	If ON -Erases done feedlines after data transfer.
MANUAL PEN ADVANCE{MANPEN}	461	If ON -Overrides Automatic advance for Pens.
PEN TOL {T MTHD} & {PENTOL}	462	Select weight or percentage method, then enter pen tolerance.
PEN WEIGHT {PEN WT}	463	Select method for displaying pen weight - Net, Load, or Gross.
BATCH NUMBER {BATNUM}	464	Select either PC or EZ to control the batch number.
DOUBLE KEY {DBLKEY}	465	Ignore extra INGR ADVANCE keys while feeding.
RECIPE REMAIN ACTIVE{RE-USE}	466	Allows recipes to be RE-USED for another load.
RECIPE STARTED WEIGHT{RSTART}.....	467	This weight threshold determines if the recipe has been started.
RECIPE ENTRY METHOD{RENTRY}	468	Select recipe start method - recipe name or batch number.
PARTIAL FEEDING {PARTFD}	469	If ON –Partial feedings will be recorded.
PEN STARTED WEIGHT {PSTART}.....	471	This weight threshold determines if the feeding has been started.
SPLIT LOAD {SPLDLD}	472	If ON –Pen presets are re-calculated after each ingredient/pen.
NUMBER OF INGREDIENTS {NUMING}.....	473	Number of ingredients in the Ingredient Name Table- D.A.N. 444
STARTING PRESET WEIGHT {STPRST}	474	If ON –Return the starting preset in the timer/bunk read field of feedline
PRESET ACTIVE SIG. TIMEOUT{PAST}	475	Time to continue preset active signal after preset is reached.
UNLOAD WEIGHT DISPLAY {UNWED}	476	NET = From zero, GROSS = Display total weight, LOAD = Unload from preset
AUTO LOAD PRESET {ALP}	477	If ON – Load the stored preset when unloading begins.
VARIABLE THROTTLE {STTHRD}.....	478	If ON – Enables seed tender variable throttle control
PRESET DELAY{PRTDLY}	479	If ON – Uses ingredient advance delay to clear a normal preset

MENU 5 – CONTROL SETTINGS

DOOR SETUP{UGDOOR}	501	If ON – Grain cart door control features enabled.
UV GRAIN SOLONOID{UG35DL}	502	If ON – Scale uses 3 solenoids. If OFF – Scale uses 2 solenoids.
PARTIAL LOAD {TRUCK}	503	If ON – Scale uses truck preset and remainder when loading.
SPLIT HOPPER ALARM{S ALRM}	504	Select length of time alarm sounds off when switching hoppers .
SPLIT HOPPER PREALARM{SPALRM}	505	Select weight difference to begin displaying message to switch hoppers .
DOOR OPEN WEIGHT{DOORDW}	506	Select unload weight before door begins to open.
DOOR DEBUG MODE{DDEBUD}	507	Sends door debug information out COM1 serial port.
DIAGNOSTIC ENABLE{DIAG }.....	508	ON enables diagnostic information - Press Select to display “DIAG”, then press Function to display RPM.
DOOR OPEN TIME{DOORDT}	509	Select the time required to fully open the grain door when closed.
DOOR OPEN PERCENTAGE{DOORDP}.....	511	Set the percentage the door will open.

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DOOR CLOSE TIME{ <i>DDORCT</i> }	512	Select the time required to fully close the grain door when open.
DOOR CLOSE WINDOW{ <i>DDORWT</i> }	513	Set the window for minimum weight change before door will close.
DOOR INSIDE WINDOW TIME{ <i>DDORIT</i> }	514	Set the maximum time a weight can stay in the weight window before door closes.
DOOR PREALARM OFFSET{ <i>DDORPO</i> }	515	Set the weight to switch from higher weight to lower weight.
DOOR PREALARM SCALER{ <i>DDORPS</i> }	516	Decrease if unloaded results are consistently lower than expected. Set higher if unloaded results are consistently higher than expected.
ADAPTIVE AUGER WEIGHT MAX{ <i>AUGRMX</i> }	517	Set the maximum adaptive weight change.
LEFTOVER AUGER WEIGHT{ <i>AUGRWL</i> }	518	Set to modify Door Adaptive Weight.
AUGER WEIGHT SCALAR GAIN{ <i>DRAWGM</i> }	519	Increase value for faster adaptation, decrease for slower adaptation.
DOOR WEIGHT CLOSING{ <i>DDORWC</i> }	521	Set the weight for when the grain door should start closing.
RPM START/STOP CONTROL{ <i>RSSCTL</i> }	531	ON enables AUTOLOG feature(RPM automatic start/stop control feature)
RPM STOP SPEED{ <i>RSSMIN</i> }	532	Set to 20-50% of PTO operating RPMS. Stop is activated using this value.
RPM START TOL SPEED{ <i>RSSDOL</i> }	533	Set to 10% of PTO operating RPMS. Start is activated using this value + D.A.N. 532
RPM START DELAY{ <i>RSSDLY</i> }	534	Start activated when RPMS above D.A.N 532 + D.A.N. 533 for this time is seconds
RPM STOP DELAY{ <i>RSSPDLY</i> }	535	Stop activated when RPMS below D.A.N 532 for this time is seconds
RPM CONTROL { <i>RPACTL</i> }	536	ON enables RPM control feature. Use with D.A.N 537 and D.A.N 538
RPM CONTROL MIN { <i>RPMMIN</i> }	537	Set to minimum operating RPM value. Must be larger than RSSCTL (D.A.N 531)
RPM CONTROL SPEED { <i>RPMTOL</i> }	538	Set to between 5% and 20% of PRMMIN (D.A.N. 537)
RPM CONTROL DELAY { <i>RPMDLY</i> }	539	Time in seconds to delay door closing
DEMO MODE { <i>UGDEMO</i> }	541	Demo Mode
CALIB - CALIBRATION		
TEMP CALIBRATION { <i>T CALB</i> }	801	If ON - scale adjust for temperature changes.
DEAD WEIGHT CAL { <i>CAL</i> }	802	Calibration method using weights.
SHORT FORM - CALIBRATION SETTINGS		
SETUP NUMBER { <i>SETUP</i> }	871	Quick entry value to select weigh method (1-4 lb) (5-8 kg), gain (1-9), display counts (0-9), and capacity (*1000)
CALIBRATION NUMBER { <i>CAL</i> }	872	Weight displayed at 0.4mV/V for these loadcells.