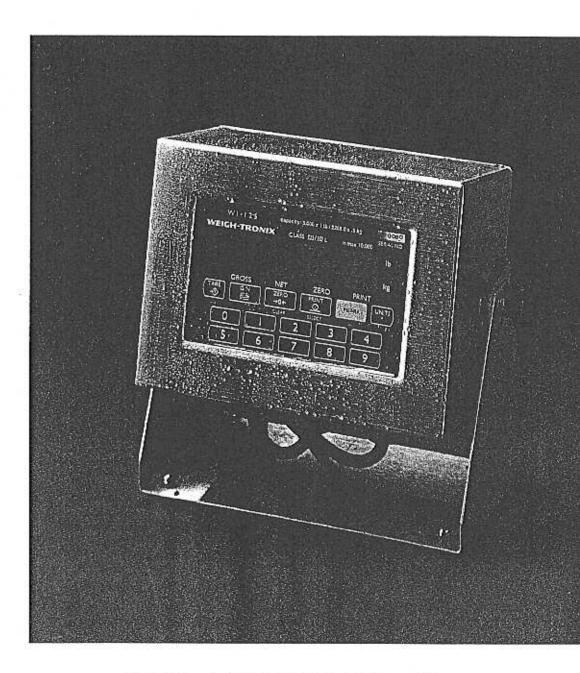
WEIGH-TRONIX



WI-125 SST Indicator Service Manual

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Indication

This service manual will help you prepare your WI-125SST indicator for use. This manual covers the following:

- Introduction
- Operational Modes
- Sealing the Indicator
- Keyboard
- Configuration Mode

Operations Mode

The WI-125SST operates in three modes:

- · operations mode
- · test mode
- · configuration mode

Operations Mode

Operations mode contains all normal weighing operations. In this mode you can view or set the following parameters if the unit is so configured:

- pushbutton tare
- quick keypad tare entry
- · one to ten tare registers (numbered 0-9)
- · identification number
- time
- · date
- backlight

Any combination of these items can be secured behind a security code. Any items secured by the code number can be viewed but not changed.

Operations mode is fully explained in the User's Manual.

Test Mode

Use this mode to perform tests on the WI-125SST. The test mode is covered in the *User's Manual*.

Configuration Mode

Use this mode to setup options and program the operation of the scale and indicator. Configuration is explained fully in the *Configuration Mode* section of this manual.

Sealing the Indicator

The WI-125SST can be sealed. If sealed, no configuration items can be changed in the configuration menu. Seal the unit by placing switch SI-1 in the OFF position. Unseal the unit by placing SI-1 in the ON position. Remove the back panel of the indicator to gain access to switch SI-1. The switch is located near the bottom corner of the PC board near the keypad connector (P10) and looks like the diagram at right.

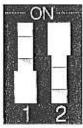
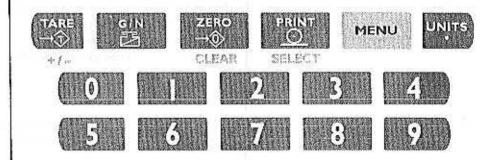


Figure 1

The keyboard consists of 16 keys. Five keys, or buttons, provide all the basic weighing functions:

- ·Tare
- ·G/N
- ·Zero
- ·Print
- ·Units

The other keys are used to access the menus for purposes of retrieving information, testing the indicator, and configuring. The keyboard is shown below:



Key Functions



4/-

Enters a pushbutton tare in gross/net operation. During data entry this key is used to toggle between positive and negative values. Used to enter a dash (—) in ID numbers.



Accesses the gross weighing mode from any other function and activates the net weighing mode if a tare is active.



CLEAR

Zeros the scale in gross or net weigh mode. This button also clears keyed in digits on the display before they are accepted.



SELECT

Sends a print command and is used to select menu items.



Used to access menus and move among choices in a menu.



Changes the unit of measure during operations mode. Inserts a decimal point (.) when keying in values.

Configuration Mode

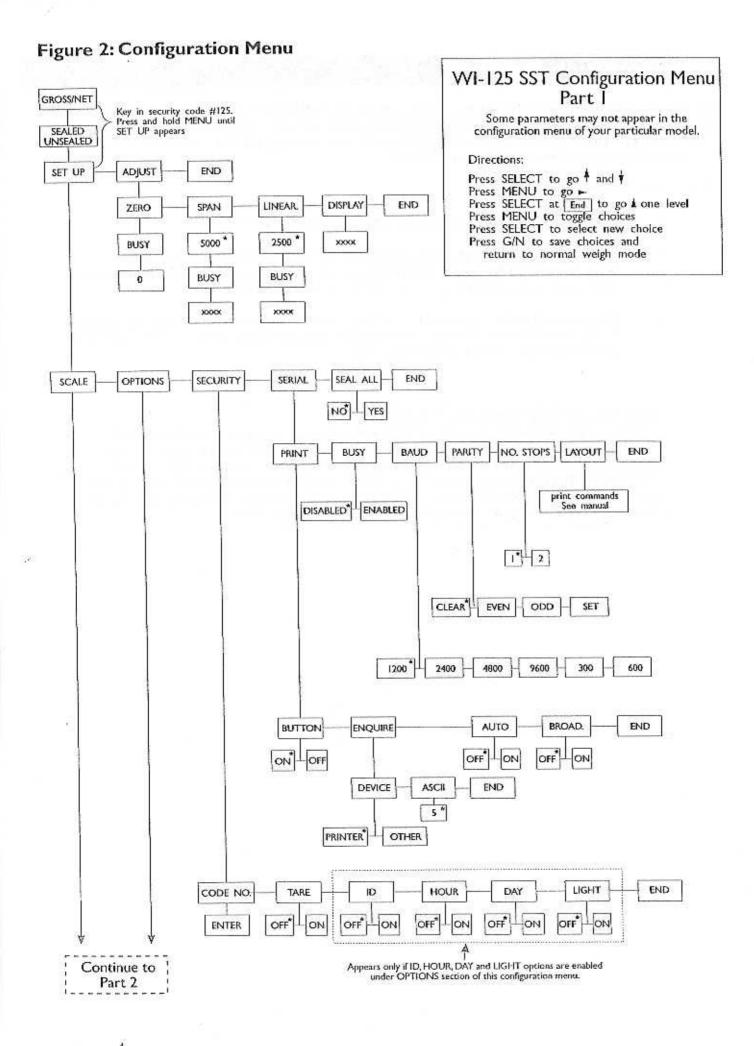
This section of the manual explains how to view and set up parameters in the configuration mode. Follow the configuration menu and instructions in Figure 2 to set up the WI-12SSST indicator to suit your specific needs. Below are explanations for each section of the menu. The non-bold heading for each section is the pathway you follow on the configuration menu to get to the parameter or parameter options shown in bold text.

To enter the Configuration Mode:

- While in Gross/Net Weighing Mode, enter the security code number 1 2 5.
- With the number "125" displayed, <u>press and hold</u> the MENU key until SET UP is displayed.
 NOTE: DO NOT let go of the MENU key until SET UP is displayed or else TARE will be displayed. If this occurs, press the G/N key to return to Weighing Mode and begin again at Step 1.
- You are now in the Configuration Menu and may calibrate your system. To move around within the
 Configuration Menu follow the instructions printed on the following two pages. Details regarding specific
 parameters are provided on the following pages.

Sidestepping Security Code Entry to Configuration

In case you forget the security code or the security code is altered without your knowledge, access the configuration menu as follows: First, flip switch S1-1 OFF (or into the sealed position). Next, enter the default code number, 125. Get into the configuration menu as instructed in the key to Figure 2. When CODE NUMBER is displayed in the menu, flip switch S1-1 from OFF to the ON position. Understand that opening the indicator to access the switch unseals the indicator! Then enter a new code number—twice, as the display prompts. Now you have complete access to the configuration menu.



Configuration Men Part 2 Continued from Part I Appears only if HOUR is enabled TARE HOUR LIGHT END DAY OFF* AUTO* OFF ON 31 12 99 99 12 31 mm dd yy dd mm yy OFF" 12 00 A 24 00 00 BUTTON DIGITAL END OFF 10 UNITS DIVISION CAPACITY ZERO STABILITY A.Z.T. UPDATE AVERAGE **END** 5* 1.0 d * 2 RANGE END NET 1.0 d* OFF* ON PERCENT PERCENT END 100 * 100 * 1000 g END POUNDS 1* 0.5 * POUNDS 1000 g END * default values 5125 * 2324.5 1000 g END POUNDS ON*

ON

OFF

OFF

Setup, Scale, Units-

Pounds, 1000g

Under each unit of measure you have the option of selecting ON or OFF. Choosing the OFF option under a unit of measure disables that unit of measure. If a unit is disabled, it will not appear in the configuration menu under CAPACITY or DIVISION nor will you be able to choose it during weighing procedures.

Setup, Scale, Units, Capacity-

Pounds, 1000g

This menu section lets you set the scale capacity for those units of measure enabled under UNITS.

Setup, Scale, Units, Capacity, Division-

Pounds, 1000g

This option lets you set the division size for the units of measure enabled under UNITS.

One feature not readily apparent is that the number of displayed leading zeros can be specified. For example; for 10 pound divisions, if you want 5 zeros displayed when no weight is on the scale, key in 00010 for a division size. The display will read 00000 when the scale is empty. If you want two zeros displayed when the scale is empty, key in a division size of 10.

Setup, Scale, Units, Capacity, Division, Zero-

-Percent, Percent

With this option you can set the plus and minus percent of capacity the indicator can zero. For example, if the capacity of the scale is 10000 lb and the zero range is $\pm 2\%$, key in 2 for both the positive and negative ranges. You may key in decimal values.

Setup, Scale, Units, Capacity, Division, Zero-

Stability

This option lets you set the size of the motion detection window in divisions. You may enter decimal values less than one or up to 999999 which turns off the motion detection.

Setup, Scale, Units, Capacity, Division, Zero, Stability, A.Z.T.-

Range, Net

Range - With this option you can set the \pm automatic zero tracking window in scale divisions. To turn off AZT, enter a range of 0.

Net - If an AZT range is set, NET will appear in the menu. This option lets you choose to enable AZT during net weighing operations (ON) or disable it (OFF). The gross weight must be zero for AZT to work in net mode.

Setup, Scale, Units, Capacity, Division, Zero, Stability, A.Z.T., Update-

5, 1, 2

Choose the rate at which your display updates information, 1, 2, or 5 times per second. Five is the default value.

Setup, Scale, Units, Capacity, Division,, Zero, Stability, A.Z.T., Update-

Average

This option allows you to choose the number of display update period(s) over which the data are internally averaged prior to being displayed. Any number between 1 and 10 may be entered. Five is the default value.

Setup, Scale, Options, Tare-

Button, Digital

Button - Choosing ON enables the pushbutton tare. Choosing OFF disables the pushbutton tare.

Digital - Select the number of tare registers you want by keying in a number. You can choose 0 through 9 tare registers.

If pushbutton tare is disabled and 0 tare registers are selected, TARE will not appear in the operations menu or in the SECURITY section of this menu.

Setup, Scale, Options, Tare-

ID

Choosing ON enables the ID number. OFF disables the ID number. If ID is disabled, ID will not appear in the SECURITY section of this menu.

Setup, Scale, Options, Tare, ID-

Hour (requires optional circuitry)

With this option you can choose to have the clock disabled (OFF) or the mode of clock you want. You can choose the 12 hour clock display or the 24 hour clock display. If the clock is disabled, HOUR will not appear in the SECURITY section of this menu and DAY will not appear in the OPTIONS or SECURITY section of this menu.

Setup, Scale, Options, Tare, Hour-

Day (requires optional circuitry)

This option lets you choose to disable the calendar (OFF) or choose the mode of calendar display you want. You can choose to display the days (dd), months (mm), and year (yy) as mm dd yy, or dd mm yy, or yy mm dd. If DAY is disabled, DAY will not appear in the SECURITY section of this menu.

Setup, Scale, Options, Tare, Hour, Day-

Light

This option enables or disables the backlight.

Setup, Scale, Options, Security-

Code No.

This option lets you change the configuration access code number to a personalized security code number.

Setup, Scale, Options, Security, Code No.-

Tare, ID, Hour, Day, Light

Under each item you have the option of choosing OFF to leave the option unlocked or choosing ON to lock the option behind the security code. If ON is chosen you can view but not change that parameter value in the operations menu (unless the security code is entered).

Setup, Scale, Options, Security, Serial, Print-

Button

Choosing OFF disables the front panel PRINT button. Choosing ON enables the front panel PRINT button.

Setup, Scale, Options, Security, Serial, Print, Button-

Enquire

This sub-menu allows you to choose a printer or other device which will send an enquire code to the indicator. You may select the ASCII code number you wish to recognize as the enquire code number. ASCII decimal 0005 is the default value. If a device sends the enquire code number to the indicator, the indicator will recognize the value, then transmit weight data. If a computer sends the enquire code number, the Button, Auto and Broad. selections are overridden and will not function.

Setup, Scale, Options, Security, Serial, Print, Button, Enquire-

Auto

With auto print enabled the indicator automatically transmits weight data when the scale weight stabilizes at greater than 1% of capacity. To print again, scale weight must fall below 1% of capacity and stabilize above 1% of capacity again. OFF disables the auto print feature. ON enables the auto print.

Setup, Scale, Options, Security, Serial, Print, Button, Enquire, Auto-

Broad.

Broad, stands for broadcast. If you enable (ON) broadcast, weight data is transmitted at the display rate. Choosing OFF disables the broadcast. If broadcast is enabled, the Button, Enquire, and Auto selections are overridden and will not function.

Setup, Scale, Options, Security, Serial, Print, Busy-

Disabled, Enabled

Disables or enables the hardware ready/busy (CTS/DTR) line. If your printer does not have a ready/busy (CTS/DTR) line, this parameter must be set to disabled. If your printer has a ready/busy (CTS/DTR) line, you can enable this parameter so the indicator will know if the printer is ready or busy (Clear To Send/Data Terminal Ready).

Setup, Scale, Options, Security, Serial, Print, Busy, Baud-

1200, 2400, 4800, 9600, 300, 600

This option lets you choose the baud rate for your printer or peripheral device.

Setup, Scale, Options, Security, Serial, Print, Busy, Baud, Parity-

Clear, Even, Odd, Set

This option lets you choose parity as even, odd, clear (logic 0 or space), or set (logic 1 or mark).

	Data Bits	Stop Bits	Parity
Set (Mark)	7	2	none
Clear (Space)	8	1	попе
Mark	7	2	none
Space	8	1	none
Odd	7	l or 2	odd
Even	7	l or 2	even

Setup, Scale, Options, Security, Serial, Print, Busy, Baud, Parity, No. Stops-

1, 2

With this option you can set the number of stop bits as 1 or 2.

Setup, Scale, Options, Security, Serial, Print, Busy, Baud, No. Stops-

Layout

Use this print-layout option to customize the physical arrangement of your printed information. This section assumes you have the time/date option card and that the parameters are all enabled.

The next several pages deal with the layout of your printed output. The rest of the documentation on configuration follows this layout section.

You may print seven items:

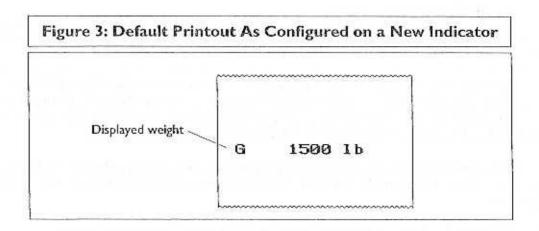
· Time

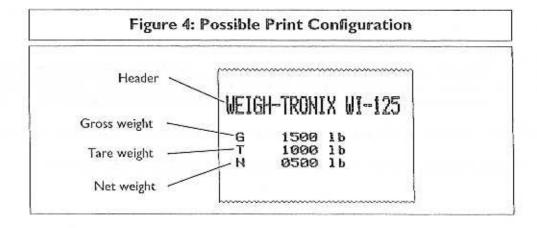
- Date
- Gross weight
- Net weight
- Tare weight
- Displayed weight
- Custom wording you choose

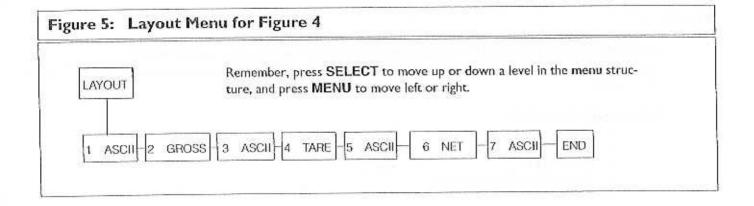
There are seven print commands you use to print these seven items. They are

Print Command	Item
HOUR	Time
DAY	Date
GROSS	Gross weight
NET	Net weight
TARE	Tare weight
DISPLAY	Displayed weight
ASCII	Custom wording (ASCII string)
ASCII	Custom wording (ASCII string)

Figure 3 shows a sample of the default printout generated when you press the PRINT key on a new indicator. Figure 4 shows a possible print configuration. The layout menu in Figure 5 shows the default order of print commands.







Customizing the Layout Menu

The default layout menu can be changed to suit your needs. Any of the seven print commands can be deleted or rearranged to accomplish this customization.

The SELECT key opens up the next level of the menu. There is one more level of information under the print commands in the layout menu.

This information may be one of two types: • an ASCII string or • a layout submenu.

ASCII Strings

ASCII strings are stored under the ASCII layout print commands, such as Nos. 1, 3, 5, 7, etc. (see Figure 4). An ASCII string is a sequence of ASCII code numbers. Each code number is preceded on the indicator display by a sequence number. See Figure 5. You view these sequence numbers and ASCII code numbers by repeatedly pressing **MENU**. These ASCII strings contain the codes for your custom wording.

ASCII is an acronym for American Standard Code for Information Interchange. ASCII codes are just numbers a computer can translate into letters, numbers and instructions. See Table 2.

Figure 6 shows the ASCII string under the 1 ASCII layout print command shown in Figure 5. Table 1 shows the relationship between this sequence of codes and the output of the printer. You can change the ASCII string or delete it entirely to suit your needs. To delete an ASCII layout print command from the layout menu you first need to delete the entire sequence of ASCII code numbers which are stored in that ASCII layout print command.

As you enter ASCII code numbers, the display may read FULL when you try to enter a code number. This means the memory allocated to the print layout is full. You must rearrange or delete some of the items you want printed for your customized printout.

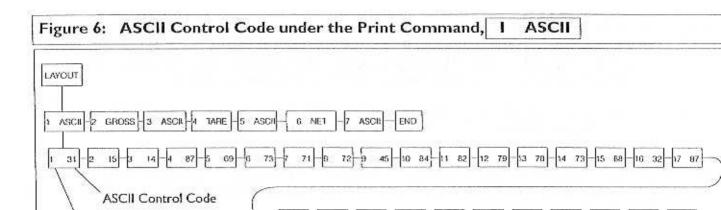
Find complete instructions for these procedures in the section Examples and Step by Step Instructions.

Layout Submenu

Under each non-ASCII layout print command (GROSS, TARE, etc.) is a layout submenu. The layout submenu contains all seven layout print commands and a DELETE command. From this submenu you select what you want printed and in what order. The same submenu is available in every case, but the currently selected item is always offered first. See Figure 7.

To delete a layout print command: With the layout print command you wish to delete on the display, press CLEAR.

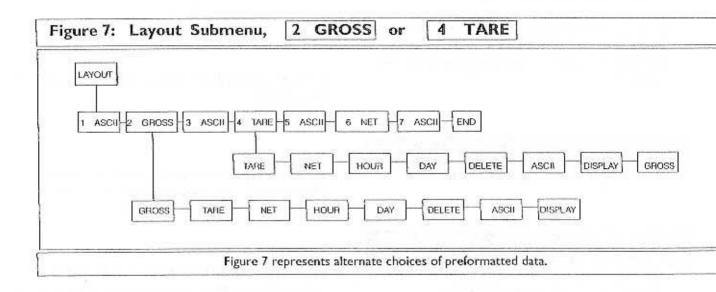
Find complete instructions for these procedures in the section Examples and Step by Step Instructions.



In Figure 5, the **MENU** key advances you through the ASCII control-character displays. The **SELECT** key returns you to the *I* ASCII display. (See Table 1 below.)

Sequence Number

#31-	Sets IMP printer to 40 column print mode	#73-	l.
#15-	Makes double wide characters until a carriage	#88-	X
	return	#32-	Space
#14-	Makes double high characters until a carriage	#87-	W
	return	#73-	1
#87-	W	#45-	-
#69-	E	#49-	3
#73-	1	#50-	2
#71-	G	#53-	5
#72-	Н	#13-	Carriage return (CR)
#45-	##	#10-	Line feed (LF)
#84-	T	#13-	Carriage return (CR)
#82-	R	#10-	Line feed (LF)
#79-	0	#15-	Sets next line's characters to double wide
#78-	N	1 1000	



Examples and Step by Step Instructions

- Example A: If you want to change the second print command in Figure 5 from 2 GROSS to 2 HOUR: with 2 GROSS displayed, press SELECT. Now scroll to the HOUR print command in the submenu and press SELECT to select it. The print command 2 GROSS is now changed to 2 HOUR.
- Example B: If you want to delete the second print command (2 GROSS) in Figure 5: with 2 GROSS displayed, press CLEAR. This deletes the 2 GROSS print command from the layout and 3 ASCII becomes 2 ASCII, 4 becomes 3, etc.

Below is a list of procedures to customize your layout. The steps for each procedure are explained below the list. Use the appropriate procedure or procedures to customize your layout to your liking. These step by step instructions relate to the layout shown in Figure 5.

- · Deleting one ASCII code number from an ASCII string
- · Deleting all the ASCII code numbers in an ASCII string
- · Deleting an ASCII print command after the ASCII code numbers are deleted
- · Deleting a non-ASCII layout print command from the layout menu
- · Inserting a non-ASCII print command in the layout menu
- · Adding ASCII code numbers to an ASCII string

Deleting one ASCII code number from an ASCII string

For example, to delete the hyphen in WEIGH-TRONIX you need to delete the ASCII control code number for the hyphen. In Table I you can see that this is #45. In Figure 6, the 9th ASCII control code is code #45.

With 9 45 displayed, press CLEAR then +1-...

CLEAR deletes the value and deletes that step in the string. When you delete #9, #10 becomes #9, etc.

Deleting all the ASCII code numbers in an ASCII string

For example, to delete the entire line of text at the top of the printout shown in Figure 4 you need to delete all the ASCII control code numbers under the I ASCII display shown in Figure 6.

With the first ASCII control code number of the string displayed (1 31), press CLEAR and +1- repeatedly until END is displayed. When END is displayed press SELECT....

I ASCII is displayed. All the control characters under it are now gone.

Deleting an ASCII layout print command after the ASCII code numbers are cleared

With I ASCII displayed, press CLEAR

The item is removed from the layout menu and all the following items move up one number value on the menu. What was item 2 becomes item 1, etc.

Deleting a non-ASCII layout print command from the layout menu

For example, to delete 2 GROSS from the menu, display 2 GROSS, then press CLEAR..

The item is removed from the layout menu and all the following items move up one number value on the menu. What was item 2 becomes item 1, etc.

Inserting a non-ASCII print command in the layout menu.

For example, let's reinsert GROSS in the #2 position. The display shows 2 ASCII, the layout menu item currently in the #2 position. Press +1-...

The layout submenu shown in Figure 7 appears. Scroll through the layout submenu by pressing **MENU**. When GROSS is displayed press **SELECT**. 2 GROSS is displayed showing that it has been inserted in the second position. 2 ASCII becomes 3 ASCII, etc.

Inserting any layout print command in the layout menu works in the same way.

Adding characters to an ASCII string

For example, let's say you've just created a new ASCII layout print command in the #1 position in the layout menu (1 ASCII). To insert new codes, display I ASCII, then press SELECT....

is displayed.

Key in the ASCII control code number you want and press **MENU...**.

2 _ is displayed prompting your for the 2nd ASCII control code number in the ASCII string.

Repeat this step until you have entered all the ASCII control code numbers you want or the indicator tells you the memory is full, then press SELECT....

1 ASCII is displayed in this example.

Inserting code numbers in an existing ASCII string

You may insert new code numbers in an existing ASCII string. Display the code number you want the new code number to precede and press +/-. A cursor appears and you may enter the new code number. All the following code numbers move down one position in the sequence.

Repeating a code number in an ASCII string

To repeat any ASCII code number, instead of entering it multiple times, enter the code number, then a decimal, then the number of times you want that code number repeated.

For example: To enter seven carriage returns, enter 13.7. To enter two capital letter Os in a row, enter 79.2.

Table 2 ASCII Control Codes

Code #	Control Character	Code #	Control Character	Code #	Control Character	Code #	Control Character
0	NUL	33	ı	66	В	99	С
1	SOH	34	(14)	67	С	100	d
2	STX	35	tt .	68	D	101	е
3	ETX	36	5	69	Е	102	1
4	EOT	37	%	70	F	103	9
5	ENQ	38	8.	71	G	104	h
6	ACK	39		72	Н	105	i i
7	BEL	40	(73	1	106	j
8	BS	41)	74	J	107	k
9	HT	42		75	к	108	j j
10	Line Feed	43	+	76	L	109	m
11	VT	44		77	М	110	n
12	Form Feed	45	-	78	N	111	0
13	Carriage Return	46		79	0	112	р
14	S0	47	1	80	Ρ	113	р
15	St	48	0	81	a	114	r
16	DLE	49	1	82	R	115	S
17	DC1	50	2	83	s	116	t
16	DCS	51	3	84	T	117	u
19	DC3	52	4	85	U	118	v
20	DC4	53	5	86	V)=	119	w
21	NAK	54	6	87	w	120	×
22	SYN	55	7	88	х	121	у
23	ETB	56	8	69	Y	122	z
24	CAN	57	9	90	Z	123	ſ
25	EM	58	3	91	1	124	1
26	SUB	59		92	1	125	1
27	ESC	60	<	93	1	126	
28	FS	61	-	94	Λ	127	Delete
29	GS	62	>	95	•	The state of the s	
30	RS	63	?	96		5 P	
31	US	64	0	97	a		
32	Space	65	A	98	b		

NOTE:

Refer to your printer or computer's User's Manual for special control codes that your printer or computer responds to.

Setup, Scale, Options, Security, Serial-

Seal All

If you choose the YES option, all items under configuration are sealed when switch SI-1 is in the OFF position. If NO is selected, units, capacity, division, zero range, stability, AZT, tare, layout, zero, span, linearity, and seal all are sealed.

Setup, Adjust-

Zero, Span, Linear., Display

This option lets you calibrate the indicator by setting the zero, span, and linearity. Below are specific instructions for setting these parameters.

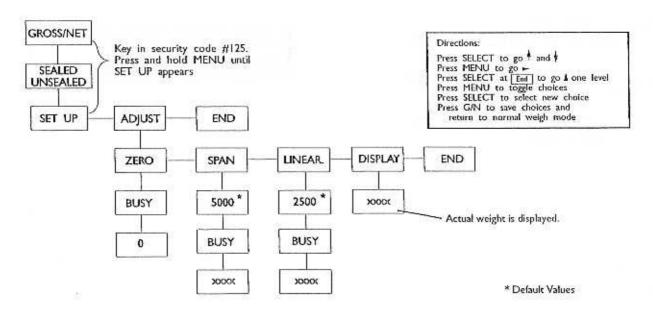
Calibration Procedures

To calibrate your WI-125 SST, you must enter the Configuration Menu outlined below. If you are already in the Configuration Menu, go directly to the procedures for setting Zero & Span and Linearity and viewing Display which are continued on the next page.

NOTE: Make sure your test weights match the selected unit of measure on your indicator.

To enter the Configuration Mode:

- 1. While in Gross/Net Weighing Mode, enter the security code number 1 2 5.
- With the number "125" displayed, <u>press and hold</u> the MENU key until SET UP is displayed.
 NOTE: DO NOT let go of the MENU key until SET UP is displayed or else TARE will be displayed.
 If this occurs, press the G/N key to return to Weighing Mode and begin again at Step 1.
- Press MENU to display ADJUST.
- 4. Press SELECT to display ZERO.
- 5. You are now in the Configuration Menu and may calibrate your system. To move around within the Configuration Menu follow the instructions printed in the box below. Specific instructions for setting Zero & Span and Linearity and viewing Display are provided on the next page.



Setting ZERO and SPAN (Calibration)

- When ZERO is displayed, remove all weight from scale.
 Wait till the scale is stable and press SELECT. . .
- Press SELECT...
- 3. Press MENU...
- Set test weight on scale and let the scale stabilize.
 Press SELECT...
- Key in the amount of the test weight on the scale and press SELECT...

NOTE: You may exit to the normal Weighing Mode by pressing G/N, or continue to Step 6... BUSY is displayed briefly, then 0.

ZERO is displayed.

SPAN is displayed.

A number is displayed.

Display shows BUSY briefly, then the weight,

Setting LINEAR.

You may stop calibration after setting ZERO and SPAN or continue on to set LINEAR, if necessary for your application.

- Press SELECT to return to the SPAN display, then press MENU to advance to the LINEAR display.
- Place approximately half the span test weight on the scale. Press SELECT...
- Key in the weight now on the scale and press SELECT...

NOTE: You may exit to the normal Weighing Mode by pressing G/N, or continue to Step 9... Make sure you have the proper amount of weight keyed in and the proper amount of weight on the scale when setting LINEAR., or SPAN

A number is displayed.

BUSY is displayed briefly and then the weight.

Viewing DISPLAY

- 9. Press MENU twice to advance to DISPLAY.
- Press SELECT to see the displayed weight without exiting the configuration menu.

NOTE: You may exit to normal Weighing Mode by pressing G/N. NOTE: Use this mode to do a build-up test or to check linearity.

Reset Menu and Master Clear

If the indicator's memory, calibration or other data becomes corrupted, a reset menu will become active. RESET will be displayed telling you there has been a problem. You may also choose to perform a Master Clear to reset the setup, adjust or data values to default values. Performing a master clear gives you access to the first reset menu shown below. If the indicator found a problem with itself, you will see the second menu. In either case, you must turn switch S1-1 on before you can reset setup or adjust items. NOTE: The only items active for a reset or master clear are those items that are not set to the factory defaults.

WARNING

Do not reset anything unless it is absolutely necessary. If you reset ADJUST, this may mean you have to bring in a weight truck to re-calibrate your system.

To perform a master clear follow these steps:

 Turn the unit off, hold the TARE and ZERO keys down and turn on the unit,

CODE NO, is displayed.

2. Press SELECT...

0 is displayed.

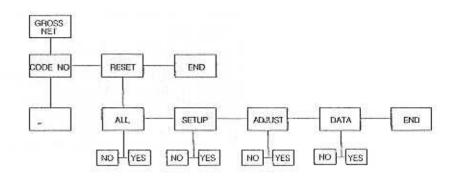
 Kkey in your security code number, then press SELECT...
 NOTE: You must enter the security code number before you can reset any items.

CODE NO. is displayed.

4. Press MENU...

RESET is displayed. From here you access the rest of the menu items the same as you do for all the other menus.

Master Clear Menu

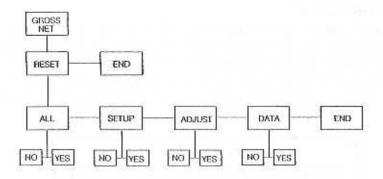


If SETUP, ADJUST, or DATA are set to defaults, they will not appear in the menu.

If SETUP, ADJUST, or DATA appear, you have the option to reset one, two, or all three of them to default values.

ALL - Includes Setup, Adjust, and Data SET UP - Configuration selections ADJUST - Calibration settings DATA - User entered information

Reset Menu



If SETUP, ADJUST, or DATA appears and it is flashing, the indicator is telling you that it is corrupted and must be reset to default values.

If ALL appears, you have the option to reset all values to their default settings simultaneously.

If ALL is flashing, the indicator is telling you that SETUP, ADJUST, and DATA are all corrupted and you must reset them all to default values.

If you choose ALL, the unit returns automatically to weighing mode. All factory defaults are now in place, including calibration values.

To reset any of the choices, use the MENU key to toggle between the choices. When the correct choice is displayed, press SELECT, then press G/N to save.

If you choose to reset some choices, but not all, the unit will return to weighing mode when you press G/N. If nothing is corrupted (no choices are flashing) you can return to weighing mode by pressing SELECT while END (after RESET) is displayed.

Instructions for moving around within the Configuration Menu:

Directions:

Press SELECT to go [↑] and [†]

Press SELECT at End to go A one level

Press MENU to toggle choices

Press SELECT to select new choice

Press G/N to save choices and

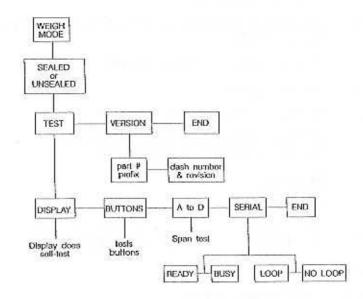
return to normal weigh mode

Indicator Diagnostics

Test Mode

The test mode is used to test various functions of the WI-125SST. The test menu is shown below with instructions for using the test menu.

Test Menu



- Enter the test mode from the gross/net operation by pressing and holding the MENU key until tESt is displayed. SEALEd or unSEALEd is displayed briefly while you hold down the key.
- Move to the right through the menu selections by pressing MENU briefly. Move to the left through the menu selections by pressing MENU for 1 second or hold down for continuous scrolling.
- To move down a level in the hierarchy, press SELECT. Anytime you wish to get to the next higher level
 in the hierarchy, press and hold SELECT for approximately 1.5 seconds or press SELECT whenever End
 is displayed.
- 4. Press MENU to toggle between choices.
- 5. Press G/N to return to gross weighing operation at any time.

Below are the specific directions and explanations for the items you see in the test menu.

- VERSION Under version are the Weigh-Tronix part number and revision number for the software found in your machine. Weigh-Tronix part numbers are divided into two parts: the prefix and the dash number.
- DISPLAY With displayed, press SELECT and the bottom row of annunciators turns on. Press SELECT again and a dynamic test is run. Press MENU to stop the dynamic test or consecutively press MENU to step through the display test routine. Press SELECT when the dynamic test is active to return the unit to display.
- BUTTONS With buttonS displayed, press SELECT and an underscore will appear on the screen. Press any key except MENU to check for proper key functioning. After testing the buttons, press MENU to return to the display.
- A to D Displays the analog to digital counts. The span is normally 20000 counts per millivolt per volt. With a calibrator at zero millivolts per volt, the displayed value should be between -200 and +200.
- SERIAL Tells you if the serial output is ready or busy. A jumper connecting pins DTR to CTS of the serial port will cause rEAdY to be displayed. Pressing the MENU key puts no LOOP on the display. With pins XMIT to RECV connected, LOOP is displayed. With them disconnected, no LOOP is displayed.

WI-125 SST Specifications

Dimensions: 8.25" x 6.25" x 4" without mounting bracket

10" x 9" x 5.5" with mounting bracket

Power: 115 volts AC @ 50 mA / 230 volts AC @ 25 mA, 50-60 Hz single phase

Optional - 12 VDC

Display: 8 digits, 7-segment LCD, 0.6 inch high with annunciators and backlighting

Display Averaging: 1 to 10 display periods

Display Rate: One, two or five times per second

Agencies: NIST Handbook 44, Class III, IIIL, 10,000 divisions (pending)

Consumer and Corporate Affairs, Canada (pending)

UL (pending) CSA (pending) FCC Class A

Accuracy: Span: ±

Span: ±5.0 ppm/C Zero: ±.066 uV/C (-10 to 40°C)

Span: ±10 ppm/C Zero: ±0.13 uV/C (-30 to 60°C)

Linearity: ±0.005% of capacity, maximum

Repeatability: ±0.005% of capacity, maximum

Hysteresis: 0.005% of capacity, maximum

Weigh bar drive capacity: Up to eight 350 ohm weigh bars

Environment: -10 to 40°C (14 to 104°F) for HB-44 specs

10 to 90% relative humidity

Internal Resolution: 810,000 at 3 mV/V. | mV/V = 270,000 counts

A to D conversion rate: 30 times per second

Analog Range: -0.14 to +3.5 mV/V

Capacity: 0.1 to 999999, programmable to any number between these limits.

Divisions: .0001 to 20000, programmable to any division size between these limits.

Push Button Zero Range: 0 to ±100% of capacity; programmable independent positive and negative limits; unit will not allow zeroing

beyond capacity.

Tare: The unit may be configured to have pushbutton tare and numeric tare. Tares may tare only positive gross weights

up to the capacity of the unit.

Motion Detection Window: Programmable from 0 to 999999 divisions, decimal entries are accepted.

Automatic Zero Tracking: Window: Programmable from 0 to 999999 divisions, decimal entries are accepted.

Net Mode

Tracking:

May be enabled or disabled

Rate: 0.1 division per second Starting Delay: 2 seconds

Starting Delay: 2 secon

Linearity Adjustment: Second order correction provides smooth curve fit through three points--zero, linearity, span.

VIBRATION COMPENSATION

Analog Low Pass Filter: Two section with .10 second time constant for low power analog and .06 second time constant for standard

analog.

Software Low Pass Filter: One section with .05 second time constant.