05/2020

AVAWEIGH
COMMERCIAL SCALES

USER MANUAL

Digital Receiving Scale w/ Tower Display

334FS500TW

500 lb.

TABLE OF CONTENTS

GENERAL & SAFETY INFORMATION

- **Risk of electric shock: disconnect all power sources before making cable connections to the floor scale platform or indicator.**
- **For use in dry environments only.**
- **The floor scale platform is very heavy. Use appropriate lift equipment.**
- **Scale platform must be installed on a foundation capable of safely supporting the weight of the floor scale plus the weight of the maximum load.**
- **Do not operate in hazardous areas.**

- Read & understand all operating instructions before using this product
- Keep this manual for future reference.
- Record the weight shortly after placing a load on the platform. After extended periods, the load cell's output signal may result in a less accurate reading.
- Avoid extended exposure to extreme heat or cold. Optimum operation is at normal room temperature. See operating temperature range in the specifications table. Allow the scale to acclimate to room temperature before using.
- Allow sufficient warm up time. Turn the scale on and allow up to 2 minutes for internal components to stabilize before weighing.
- Electronic scales are precision instruments. Do not operate near cell phones, radios, computers or other electronic devices that emit radio frequencies that may cause unstable readings.
- This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at their own expense.
- Avoid using in heavy vibration or heavy airflow conditions. This also applies when the floor scale is integrated into conveying systems.

SPECIFICATIONS

	334FS500TW
MAX CAPACITY	500 lb. / 250kg
MIN CAPACITY	2 lb. / 1kg
SCALE DIVISION	0.1 lb. / 0.05kg
PLATFORM SIZE	15.75” x 19.68” (400 x 500mm)
TOWER HEIGHT	26” (660mm)
DISPLAY	1” High LCD Display
OPERATING TEMPERATURE	41 - 105°F (5 - 40°C)
HUMIDITY RANGE	<85% Relative Humidity, Non-Condensing
POWER SUPPLY	Batteries: Internal, Lead-Acid Rechargeable 6V 4Ah AC Adapter: 12V/500mA
CALIBRATION	External Calibration Through the Keypad
COMMUNICATION PORT	Bi-directional RS232, USB (Virtual RS232)

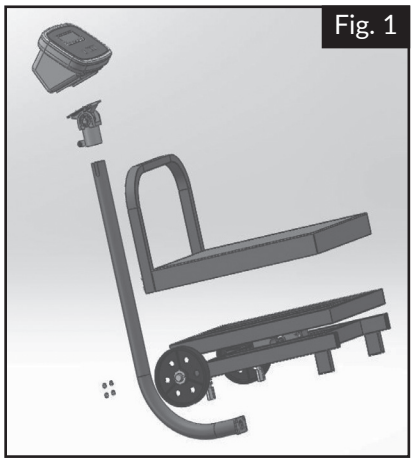
UNPACKING & SETUP

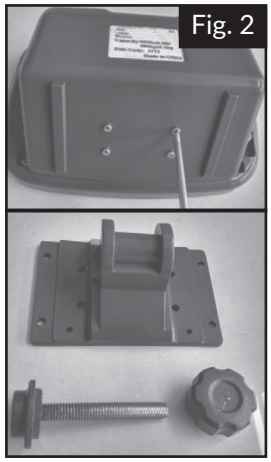
TOOLS REQUIRED

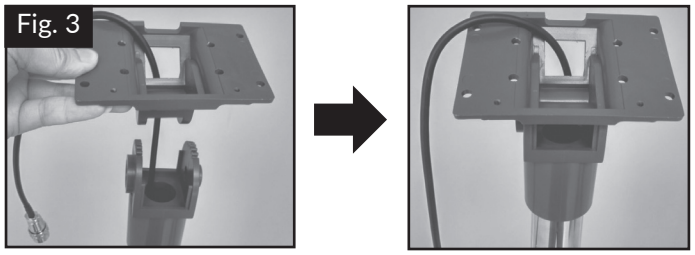
- Phillips Head Screwdriver
- Allen Wrench (Included)

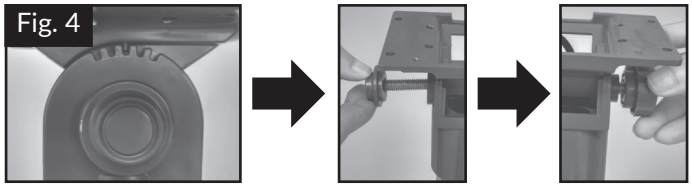
UNPACKING & ASSEMBLY

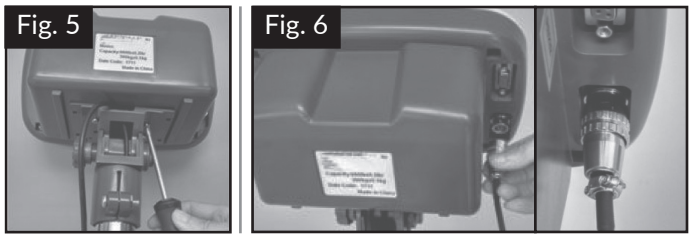
1. Take all the contents out of the box. Thread the load cell cable on platform base through the pole. (Fig. 1)
2. Remove the (4) screws on rear side of the indicator, then disassemble the locking device on the indicator bracket. (Fig. 2)
3. Insert the cable through the bracket, then lay the bracket on the post. (Fig. 3)
4. Position the bracket in the slot to the direction desired. Lock the bracket. (Fig. 4)
5. Place the indicator on the bracket and secure it with (4) screws. (Fig. 5)
6. Plug the female connector from load cell to the male socket on indicator. (Fig. 6)
   NOTE: The connector is a snap-in connector. DO NOT screw the female into the male as a twisting force will cause inside wires to break.
7. Remove the platter from the platform base. (Fig. 7)
8. Fix the pole onto the lower base frame with (4) M6 outer hexagonal bolts and tighten. (Fig. 8)
9. Adjust nuts on bottom to horizontally align scale. (Fig. 9)
10. Fix the protection bar onto the platter with (4) M5x35 socket head cap screws and washers, tighten with allen wrench. (Fig. 10)
11. Put the platter back on the scale base (Fig. 11)
12. The scale is now ready to use.

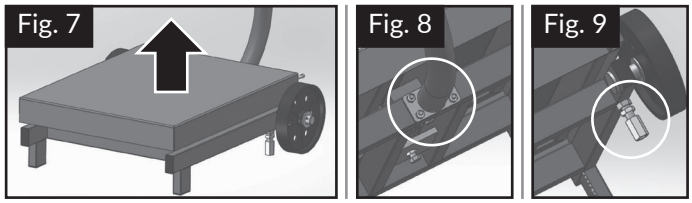


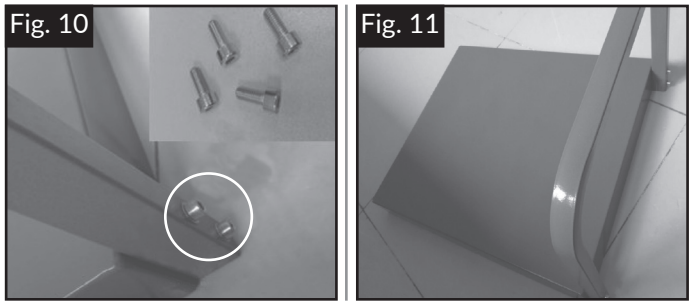












DISPLAY CHARACTERS

SYMBOL	DIGIT	SYMBOL	DIGIT	SYMBOL	DIGIT
0		A		N	
1		B		O	
2		C		P	
3		D		Q	
4		E		R	
5		F		S	
6		G		T	
7		H		U	
8		I		V	
9		J		W	
		K		X	
		L		Y	
		M		Z	

INDICATOR DISPLAY

- **Kg** - Indicates when the scale is weighing in Kilograms.
- **lb** - Indicates when the scale is weighing in Pounds.
- - Indicates when the scale reaches zero.
- - Indicates when the scale reading is stable.
- **NET** - Indicates when the Net weight is displayed, Tare weight is at zero.
- **Hold** - Indicates when the scale has held the weight reading shown on the display.
- **TOTAL** - Indicates when the scale is displaying an accumulated value.
- **PCS** - Indicates when the scale is in counting mode.

FUNCTION KEYS

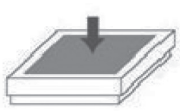
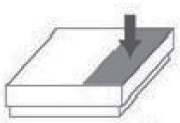
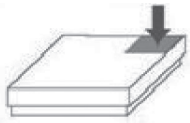
NOTE: Normally, the 2nd function of a key needs to be pressed down for > 3 sec. to be activated.

KEY	MODE	FUNCTION
ZERO / ON/OFF ↩	Weighing Mode	Turn the scale on or off.
		Zero the scale if the display drifts from zero.
	Parameter or Calibration Mode	Exits current mode.
TARE ↵	Weighing Mode	Tares the scale, if necessary.
	Parameter or Calibration Mode	Confirms the input data or confirms the operation.
ACC / TOTAL	Weighing Mode	Activates accumulation function.
		Reviews the total accumulated value.
UNIT / COUNT ↑	Weighing Mode	Toggles the weighing unit between kg and lb.
		Enters counting mode.
	Parameter or Calibration Mode	Increases the digit in the flashing data entry position by 1.
PRINT / HOLD →	Weighing Mode	Prints the weight details to a PC or printer.
		Locks the reading even if object to be weighed is moving.
	Parameter or Calibration Mode	Shifts the flashing data entry position from left to right.
ZERO / ON/OFF + UNIT / COUNT	Weighing Mode	Enter Parameter Setting Mode.
ZERO / ON/OFF + TARE	Weighing Mode	Enter Calibration Mode.

OPERATIONS & SETTINGS

NORMAL WEIGHING MODE

1. Power on the scale by pressing the **ON/OFF** key.
2. If the display stabilizes but doesn't show zero, press the **ZERO** key to set new zero point.
3. Place the objects on the scale platform and read the weight on the indicator.
   Note: Objects should be placed at the center of the platform. Corner or side loading heavy objects may risk overloading an individual load cell and damage the scale.

 **YES**  **NO**  **NO**

4. To change the weight unit of measure, press the **UNIT/COUNT** key.
5. To send data to another device via the serial port, press the **PRINT/HOLD** key.
6. Power off the scale by pressing the **ON/OFF** key for 4 seconds.

ZERO FUNCTION

1. If the display does not show 0, and there is no object on the platform, press the **ZERO** key to zero the reading.

- The zero function is unavailable when the displayed reading is out of the zero range and the indicator will show the error message 0------ or 0------ meaning the scale is over or under the zero range.

TARE FUNCTION

1. Zero the scale as described above.
2. Place an empty container on the platform, press the **TARE** key. The display will return to zero, eliminating the weight of the container. **NET** will be lit on the display.
3. Place the material or object to be weighed in the container. The net weight will be displayed.
4. To exit tare mode, remove all weight from the scale. The display will show a negative weight. Press the **TARE** key to return the display to zero.

HOLD FUNCTION

The Hold function is used if you would like to hold the results on the display after the weight/load has been removed from the scale.

1. Press and hold the **PRINT/HOLD** key for 4 seconds while scale is under load.
2. HOLD will be displayed and the weight will remain saved after unloading the scale.
3. To deactivate the Hold function, press and hold the **PRINT/HOLD** key for 4 seconds.

COUNTING

1. In normal weighing mode, press and hold the **UNIT/COUNT** key for 4 seconds to enter Count mode.
2. When the scale displays SAU---, place the samples on the scale and press the **TARE** key to confirm.
3. --- will flash, then scale displays 000000, use the ↑ and → keys to input the quantity of samples, press the **TARE** key to confirm. If any error occurs, the scale will display SAUEr and will require the quantity to be input again.
4. Put more parts on the scale for counting, the display will show the number of parts (pcs).
5. Press and hold the **UNIT/COUNT** key to return to normal weighing.

ACCUMULATION MODE

Accumulation can be used in both weighing and counting modes.

1. In normal weighing or counting mode, when reading is stable, press the **ACC/TOTAL** key to accumulate the current weight or quantity into memory, TOTAL will be blink on and off in 2 seconds.
2. Remove the weight, allowing the scale to return to zero and put a second weight on. Press the **ACC/TOTAL** key to display the new total.
3. To review the accumulated total, press and hold the **ACC/TOTAL** key for 4 seconds. The scale will display the total weight or quantity, TOTAL will be displayed. After 2 seconds, TOTAL will turn off and the scale will go back to normal weighing or counting mode.
   NOTE: In all cases, the scale must return to zero or a negative number before another sample can be added to memory. More poduct can then be added by pressing the **ACC/TOTAL** key. This can continue until the total weight or quantity exceeds 999999.

CALIBRATION

Before calibrating the scale, you should ensure that you have a known KG weight for calibration.

1. When in normal weighing mode with the scale at zero, press and hold down the ZERO and TARE keys to enter Calibration mode.
2. When the indicator shows CAL-2, press the TARE key to confirm and go to the next step, or press the ZERO key to exit Calibration mode.
3. Scale will display the max capacity, then display the division. Press the TARE key to confirm and go to the next step, or press the ZERO key to exit Calibration mode.
4. When CAL20 is displayed, the scale will begin to calibrate the zero-point of the scale. Remove all weight from the scale. Press the TARE key to confirm, or the ZERO key to exit Calibration mode. After receiving the reasonable zero-point data, the scale will go to the next step automatically.
5. Now the scale displays CAL21, then displays a defaulted standard weight of 50%FS. Load 12.5%-100%FS weight on the scale, and use the ↑ and → keys to input the loaded weight. Press the TARE key to confirm the input and go to the next step. If an error occured, the scale will display CALEr and return back to step 4 for re-calibration.
6. When the scale displays CAL22, then displays a default standard weight of 100% FS. Load 25%-100%FS (this must be equal or larger than the weight from the CAL21) weight on the scale. Use the ↑ and → keys to input the standard weight's value. Press the TARE key to confirm. The indicator will flash the input weight and go to the next step automatically. If an error occurred, the scale will display CALEr and return back to step 4 for re-calibration.
7. When CAL20 is shown again, the scale will calibrate the zero-point again. Remove any weight from the scale, press the TARE key to confirm, and back to the normal weighing mode. If an error occurred in calibration, the scale will display CALEr and return back to step 4 for re-calibration.

USER PARAMETERS

1. When the scale is in normal weighing mode, press and hold the **ZERO** and **UNIT/COUNT** keys for 3 seconds until SEtUP is shown on the display.
2. In the Setup mode, press the ↑ key to change the flashing digits, press the → key to shift the flashing data entry position from left to right, and press the **TARE** key to confirm and move to the next parameter setting. Press the **ZERO** key to exit the Setup mode.

PARAMETERS SETTING SUMMARY

PARAMETER	X/XY	REMARK	DEFAULT
P1.xy **Auto-off Time**	00-15	00 = No Auto-Off 01-15 = Minutes Auto-Off Time	05
P2.xy **Hold/Print Function**	00-02	00 = Only Hold Function 01 = Only Print Function 02 = Both Functions (<3 sec = Print, >3 sec = Hold)	02
P3.xy **Hold Function**	0-50	0 = Disable Hold Function 1 = Hold Larger Weight Reading 2-50 = Hold reading when variety is within ±2-50d, auto release Hold function when weight is <10d and auto-hold new stable weight (> 10d)	02
P4.x **RS232 & USB Function**	0-7	0 = No RS232 and USB 1 = Press PRINT key to output display data when scale is stable 2 = Press PRINT key to output gross, tare, and net weight when scale becomes stable 3 = Continuously outputs display data 4 = Continuously outputs gross, tare, and net weight 5 = Outputs display data one time when scale is stable 6 = Outputs gross, tare, and net weight one time when scale becomes stable 7 = Bi-directional communication	2
P5.x **Communication Baud Rate**	0-4	0 = 1200bps 1 = 2400bps 2 = 4800bps 3 = 9600bps 4 = 19200bps	3
P6.x **Communication Format**	0-2	0 = 8N1 1 = 7O1 2 = 7E1	0
P7.xy **Resolution**	00-32	00 = 500 08 = 2400 16 = 7500 24 = 35000 01 = 600 09 = 2500 17 = 8000 25 = 40000 02 = 750 10 = 3000 18 = 10000 26 = 50000 03 = 800 11 = 3500 19 = 12000 27 = 60000 04 = 1000 12 = 4000 20 = 15000 28 = 70000 05 = 1200 13 = 5000 21 = 20000 29 = 75000 06 = 1500 14 = 6000 22 = 25000 30 = 80000 07 = 2000 15 = 7000 23 = 30000 31 = 100000 32 = Factory Preset N (0<N<1000000)	10

PARAMETER	X/XY	REMARK	DEFAULT
P8.x **Division Select**	0-2	0 = 1 1 = 2 2 = 5	2
P9.x **Decimal Point in Calibration**	0-5	0 = x1 1 = x0.1 2 = x0.01 3 = x0.001 4 = x0.0001 5 = 10	2
P10.x **Calibration Unit**	0-1	0 = kg 1 = lb	0
P11.x **Weighing Units Enabled**	0-6	0 = only kg 1 = only lb 2 = only lb:oz 3 = kg or lb 4 = kg or lb:oz 5 = lb or lb:oz 6 = kg, lb, or lb:oz	3
P12.x **Power-on Zero-point Range**	0-7	0 = Calibration zero-point ±1%FS 1 = Calibration zero-point ±2%FS 2 = Calibration zero-point ±5%FS 3 = Calibration zero-point ±10%FS 4 = Calibration zero-point ±20%FS 5 = Calibration zero-point ±50%FS 6 = Calibration zero-point ±100%FS 7 = No limitation	7
P13.x **Zero Range for ZERO Key**	0-9	0 = Power-on zero-point ±1%FS 1 = Power-on zero-point ±2%FS 2 = Power-on zero-point ±3%FS 3 = Power-on zero-point ±4%FS 4 = Power-on zero-point ±5%FS 5 = Power-on zero-point ±10%FS 6 = Power-on zero-point ±20%FS 7 = Power-on zero-point ±50%FS 8 = Power-on zero-point ±100%FS 9 = No limitation	6
P14.x **Data as Current Power-on Zero Point When Weight Signal IS IN Power-on Zero-point Range**	0-2	0 = Current weight 1 = Calibration zero-point 2 = Switch-off zero-point	0
P15.x **Data as Current Power-on Zero Point When Weight Signal IS NOT IN Power-on Zero-point Range**	0-3	0 = Current weight 1 = Calibration zero-point 2 = Switch-off zero-point 3 = Continuous display	3
P16.x **Zero Tracking Range**	0-8	0 = 0d, No Tracking 1 = ±0.25d 2 = ±0.5d 3 = ±1d 4 = ±1.5d 5 = ±2d 6 = ±3d 7 = ±4d 8 = ±5d	6
P17.x **Data Filter Intensity**	0-3	0 = Very Weak 1 = Weak 2 = Middle 3 = Strong	2

PARAMETER	X/XY	REMARK	DEFAULT
P18.x **Check Weight Stability Range**	0-2	0 = ±0.5d 1 = ±1d 2 = ±1.5d 3 = ±2d 4 = ±3d 5 = ±4d 6 = ±5d 7 = ±6d 8 = ±7d 9 = ±8d	1
P19.x **Overload Limit Range**	0-9	0 = FS+0d 1 = FS+9d 2 = 101%FS 3 = 102%FS 4 = 103%FS 5 = 110%FS 6 = 120%FS 7 = 150%FS 8 = 200%FS 9 = No Limitation	1
P20.x **Backlight ON/OFF Mode**	0-2	0 = Always OFF 1 = Always ON 2 = Auto ON/OFF Auto OFF when scale is stable with no key operation for 10 seconds. Auto ON when scale is unstable and there is key operation	2
P21.x **LCD Contrast Level**	0-4	0 = Very Low 1 = Low 2 = Medium 3 = High 4 = Very High	3

RS232/USB COMMUNICATIONS

RS232 CONNECTION BETWEEN SCALE & HOST

SCALE	CABLE		HOST
DB9 Female	**DB9 Male**	**DB9 Female**	**DB9 Male**
PIN2 TXD	2	2	PIN2 RXD
PIN3 RXD	3	3	PIN3 TXD
PIN5 GND	5	5	PIN5 GND
PIN4 DSR	4	4	PIN4 DTR
PIN6 DTR	6	6	PIN6 DSR
PIN7 CTS	7	7	PIN7 RTS
PIN8 RTS	8	8	PIN8 CTS
PIN1 NC	1	1	PIN1 NC
PIN9 NC	9	9	PIN9

When Parameter P4.x in section 7 is set to 0

No RS232 and USB function. It will not transmit or receive any data although the scale is equipped with RS232 or USB. The RS232 and USB function can be only activated when scale is in normal weighing mode.

When Parameter P4.x in section 7 is set to 1

Output the current displayed data when the PRINT/HOLD key is pressed, and it does not receive any data. The output format is as below:
<LF>< reading, symbol, decimal point, weight unit><CR><EXT>

When Parameter P4.x in section 7 is set to 2

Output displayed gross, tare, and net weight when the PRINT/HOLD key is pressed, and it does not receive any data. The output format is as below:
<LF>< Gross: Weight, symbol, decimal point, weight unit><CR><EXT>
<LF>< TARE: Weight, symbol, decimal point, weight unit><CR><EXT>
<LF>< Net: Weight, symbol, decimal point, weight unit><CR><EXT>
The number of bytes used:
Weight reading . . . . . 7 bytes
Symbol . . . . . 1 byte
Decimal point. . . . . 1 byte
Weight unit. . . . . 2 or 4 bytes

When Parameter P4.x in section 7 is set to 3

Continuous output data when reading is stable, and it does not receive any data. The output format is same as P4.1.

When Parameter P4.x in section 7 is set to 4

Continuous output gross, tare and net weight when reading is stable, and it does not receive any data. The output format is same as P4.2.

When Parameter P4.x in section 7 is set to 5

Output displayed data one time when scale is stable, and it does not receive any data. The output format is same as P4.1.

When Parameter P4.x in section 7 is set to 6

Output gross, tare and net weight one time when scale is stable, and it does not receive any data. The output format is same as P4.2.

When Parameter P4.x in section 7 is set to 7

1. The baud rate and data format is fixed as per P5 and P6 setting. Responses to serial commands will be immediate, or within one weight measure cycle of the scale. One second should be more than adequate for use as a time-out value by remote (controlling) device.
2. The length of the weight field will be 7 digit weight data, one for minus sign, one for decimal point, two for measure unit (e.g. “lb”, “kg”). If the unit is lb:oz, another two for “lb” and one for a space (<sp>) after lb. Units of measure abbreviations are always lower case.
3. If the weight is overcapacity, the scale will return nine ‘^’ characters (the field of symbol, decimal point, weight data is filled by ‘^’).
   a) If the weight is under capacity, it will return nine ‘_’ characters (the field of symbol, decimal point, and weight data is filled by ‘_’).
   b) If the zero point is error, it will return nine ‘_’ characters.
4. The character will be ‘-’ for negative weight or a space character for positive weight. Symbol, follows after the first digit.
5. Useless leading zero before digits is suppressed.

KEY TO SYMBOLS USED

<LF> Line Feed character (hex 0AH)
<CR> Carriage Return character (hex 0DH)
<ETX> End of Text character (hex 03)
<SP> Space (hex 20H)
H1H2H3 Three status bytes. Refer to Table1 for definition.
<p> Polarity character including minus sign for negative weight and a space character for positive weight
W1-W7 Weight data
<dp> Decimal point
U1U2 Measure units, kg, lb

Command: W<CR> (57h 0dh)
Response:

1. <LF>^^^^^^u1u2<CR>< LF>H1H2H3<CR><ETX>---over capacity
2. <LF>_____u1u2<CR><LF> H1H2H3 <CR><ETX>---under capacity
3. <LF>---------u1u2<CR><LF> H1H2H3<CR><ETX>---zero-point error
4. < L F > < p > w 1 w 2 w 3 w 4 w 5 w 6 < d p > w 7 u 1 u 2 < C R > < L F > H 1 H 2 H 3 < C R > <ETX> ---Scale is stable, and the current weight unit is kg or lb. With or without decimal point and the position is as per the P9 setting and current unit.

Command: S<CR> (53h 0dh)
Response: <LF> H1H2H3<CR><ETX>

Command: Z<CR> (5ah 0dh)
Response: ZERO function is activated and it returns to current scale status.
Just like pressing **ZERO** key: <LF> H1H2H3<CR><ETX>
If ZERO function cannot be activated, it will return to current scale status.

Command: T<CR> (54h 0dh)
Response: TARE function is activated and it returns to current scale status.
Just like pressing **TARE** key: <LF> H1H2H3<CR><ETX>
If TARE function cannot be activated, it will return to current scale status.

Command: U<CR> (55h 0dh)
Response: Changes units of measure and return scale status with new units.
Just like pressing **UNIT** key: <LF>u1u2<CR><LF> H1H2H3<CR><ETX>
The new measure unit should be allowed to use as per P11 setting.

Command: X<CR> (58h 0dh)
Response: Powers off the scale, just like pressing the **ON/OFF** key.

Command: All Others
Response: Unrecognized command: <LF>?<CR><ETX>

STATUS BITS DEFINITIONS

BIT	Byte 1 (H1)	Byte 2 (H2)	Byte 3 (H3)
0	0 = Stable	0 = Not Under Capacity	01 = Normal Work Mode 10 = Hold Work Mode 00 = Not Define 11 = Not Define
	1 = Not Stable	1 = Under Capacity	
1	0 = Not at Zero Point	0 = Not Over Capacity	
	1 = At Zero Point	1 = Over Capacity	
2	Always 0	Always 0	0 = Gross Weight
			1 = Net Weight
3	Always 0	Always 0	Always 0
4	Always 1	Always 1	Always 1
5	Always 1	Always 1	Always 1
6	Always 0	Always 1	Always 0
7	Parity	Parity	Parity

TROUBLESHOOTING

SYMPTOM	PROBABLE CAUSE
	Zero point is OVER the setting range
	Zero point is BELOW the setting range
	ADC is OVER maximum range
	ADC is BELOW minimum range
	Overload
	Calibration error
	Voltage of batteries or input power is below 5.6V

AVAWEIGH LIMITED WARRANTY

AvaWeigh warrants its equipment to be free from defects in material and workmanship for a period of 1 year. This is the sole and exclusive warranty made by AvaWeigh covering your AvaWeigh brand equipment. A claim under this warranty must be made within **1 year** from the **date of purchase** of the equipment. Only the equipment's original purchaser may make a claim under this warranty. AvaWeigh reserves the right to approve or deny the repair or replacement of any part or repair request. The warranty is not transferable. AvaWeigh Equipment installed in/on a food truck or trailer will be limited to a period of **30 days** from the original date of purchase.

For Warranty Inquiries:

To obtain warranty information or make a claim against this warranty, please contact the location where you purchased the product.

- **www.WebstaurantStore.com**
  Call 717-392-7472. You must have your order number ready when contacting.
- **The Restaurant Store**
  Please contact your local store directly.
- **www.TheRestaurantStore.com**
  Call 717-392-7261. You must have your order number ready when contacting.
- **Clark Food Service Equipment, PRO Marketplace, Hometown Provisions**
  Please contact your account manager directly.
  If you do not know your account manager, please call 717-392-7363 for CFSE and Pro Marketplace or 717-464-4165 for Hometown Provisions

Failure to contact the designated location prior to obtaining equipment service may void your warranty.

AvaWeigh makes no other warranties, express or implied, statutory or otherwise, and **HEREBY DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE.**

This Limited Warranty Does Not Cover:

- Equipment sold or used outside the Continental United States.
- AvaWeigh has the sole discretion on wearable parts not covered under warranty.
- Equipment not purchased directly from an authorized dealer.
- Equipment used for residential or other non-commercial purposes.
- Equipment that has been altered, modified, or repaired by anyone other than an authorized service agency.
- Equipment for which a valid purchase cannot be verified. Please have your order number or receipt, and serial number (if available) when making a claim.
- Damage or failure due to improper installation, improper utility connection or supply, and issues resulting from improper ventilation or airflow.
- Defects and damage due to improper maintenance, wear and tear, misuse, abuse, vandalism, or Act of God.

Any action for breach of this warranty must be commenced within 1 year of the date on which the breach occurred. No modification of this warranty, or waiver of its terms, shall be effective unless approved in a writing signed by the parties. The laws of the Commonwealth of Pennsylvania shall govern this warranty and the parties' rights and duties under it. AvaWeigh shall not under any circumstances be liable for incidental or consequential damages of any kind, including but not limited to loss of profits.