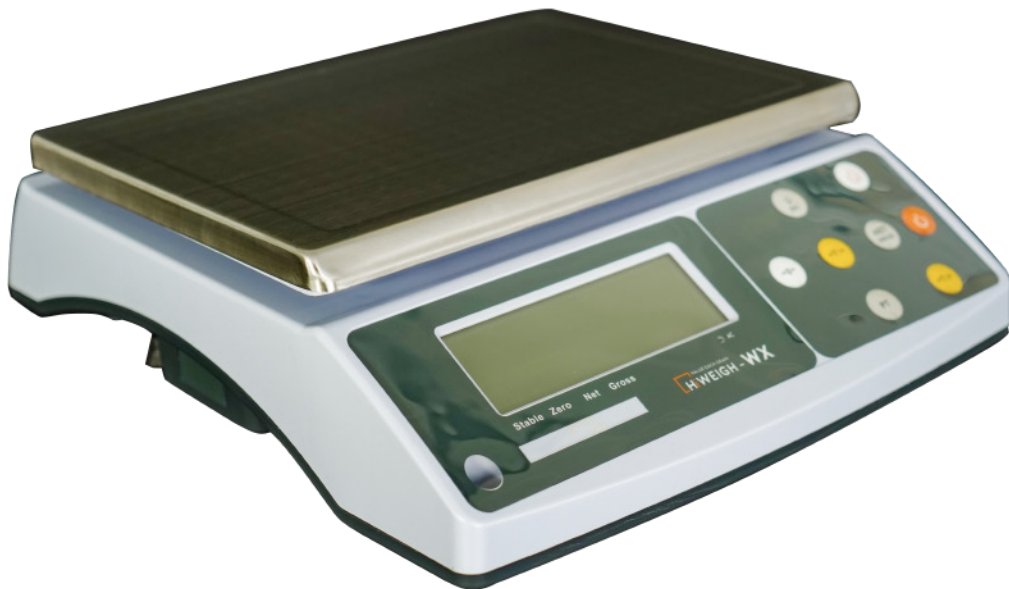


WX

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User Manual



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SPECIFICATIONS

Accuracy:	Class III
Nonlinear:	$\leq 0.01\%F.S$
System working voltage:	DC:5V
Large display connector:	Sampling serial output way
Sample rate:	20 times per second (can select)

POWER

Input:	120~240V
Output:	12V/1A
Rechargeable battery:	6V/4AH

BEFORE USING

1. Place this product on a firm and smooth place, don't place it in vibration or shaking, use bench for use on four only adjust foot, adjust the balance using the bubble level.
2. Use independent source, avoid other electrical disturbance.
3. Don't put any object on the platter when turn on the balance.
4. Please, turn on 2-3 minutes before using.
5. Avoid temperature change too large and air flow strenuous sites.
6. Don't overload the balance, don't exceed the maximal capacity.

SYSTEM POWER CONSUMPTION

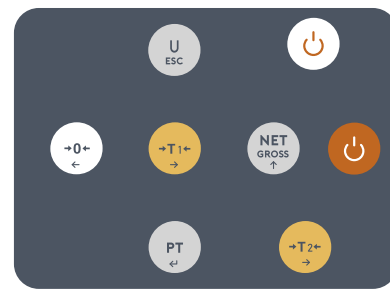
Main system power consumption: about 12mA

Main system power consumption (with backlight): about 36mA

Main system power consumption (with backlight and RS-232): about 48mA

Battery life: none backlight, about 320 hours.

DISPLAY DESCRIPTION



Press and hold this key for 2 seconds to turn off the balance.



Press this key to turn on the balance.



Function 1. To select the desired weight unit.

Function 2. To exit from setup mode.



Function 1. . To reset the weight to zero “0”, but the display value has to be lesser than $\pm 2\%$ of maximum capacity.

Function 2. To move one space to the left or downward in setup mode.



Function 1. To subtract the container’s weight.



Function 2. To move one space to the right or upward in setup mode.






Function 1. To view gross or net weight when the balance is on tare status. All other keys will be disabled when gross weight is activated.

Function 2. To increase values upward in setup mode.






Function 1. Key of confirmation in setup mode.










Function 2. Manually transmitting data through RS232 to computer or printer.

To access to functions setting, press the  and  key at the same time.
Press the  to select the parameter (UF-1 ~ UF-9)

UF-1 A/D count

1. Press the  key to view the A/D count.
2. To move to next parameter press the  key.
3. To exit and return to normal weighing press the  key






UF-2 High / Low limits setting

1. Press the  key to enter.
2. The display will show the message “000000L”
3. Use the keys  and  to move cursor and press the  to select number.
4. Press the  key to confirm.
5. The display will show “00000H”
6. Use the keys  and  to move cursor and press the  to select number.
7. Press the  key to confirm.
8. Buzzer beep see remark (-)

UF-3 Auto-power off

Modes:




- AoFF 00 – Auto-turn off disable.
- AoFF 01 – The balance will automatically turn off after 1 minute of non use.

1. Press the  key to access to auto-power configuration.
2. Use the keys  and  to move from one digit to other and the key  to select the desired mode.
3. Press the  key to confirm.

UF-4 Backlight setting

Modes:

- **A**: Automatic
- **ON**: Backlight on
- **OFF**: Backlight off




1. Press the  to access to backlight configuration.
2. Use the  key to select the desired mode.
3. Press the  key to confirm.

UF-5 HOLD function

(keeps the reading fixed on display for few seconds after removing the load from the platter)

Modes:

- **HOLD 0** : Disable.
- **HOLD 1** : Weighing animals mode.

1. Press the  key to access to HOLD function configuration.
2. Use the  key to select the desired mode.
3. Press the  key to confirm.

UF-6 RS-232 Output (optional)

232 0 - RS-232 disable

232 1 - Stable output – Format 1

232 2 - Stream output – Format 1

232 3 - Manual output – Format 1

232 4 - Stable output – Format 2

232 5 - Stream output – Format 2

232 6 - Manual output – Format 2

RS232 Baud rate

b 1200 Baud rate 1200




b 2400 Baud rate 2400

b 4800 Baud rate 4800

b 9600 Baud rate 9600

b 19200 Baud rate 19200

b 38400 Baud rate 38400

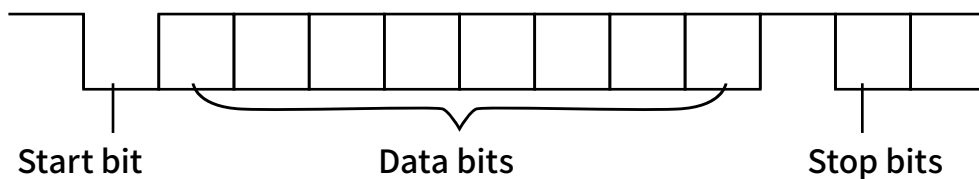
1. Press the  to enter
2. Press the  to select the baud rate
3. Press the  key to confirm.

Communication Protocol

UART signal of EIA-RS232 C

Format:

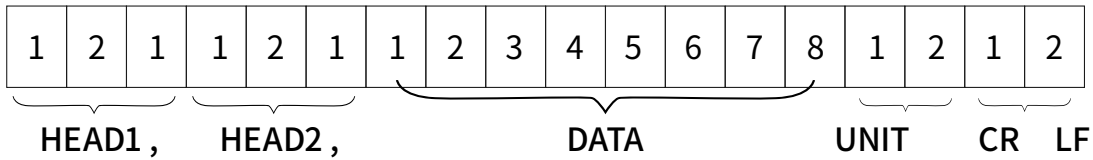
1. Serial output: 1200/2400/4800/9600/19200/34800 BPS
2. Data bits: 8 bits
3. Parity bits: None
4. Stop bits: 1 bit



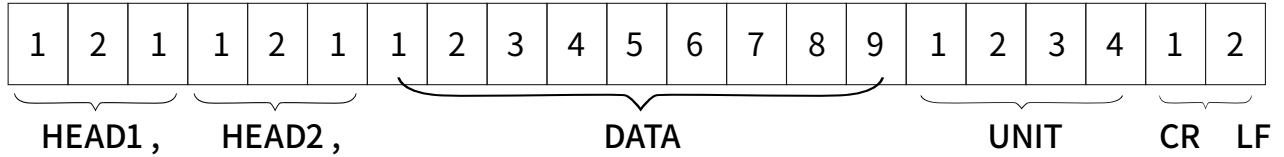
Format 1 (232 1 – 3):

HEAD1 (2 BYTES)	HEAD2 (2 BYTES)
OL – Overload	
ST – Stable	NT – Net weight
US – Unstable	GS – Gross weight

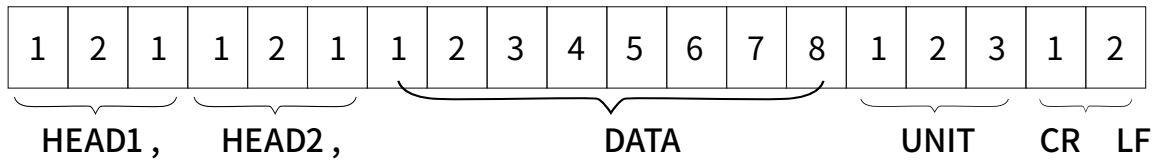
Fixed 18 BYTES ASCII (kg g t lb)



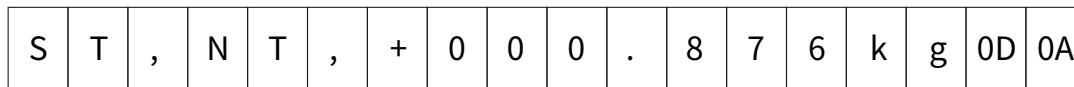
Fixed 21 BYTES ASCII (tl.T lboz)



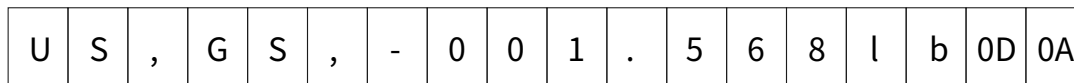
Fixed 19 BYTES ASCII (pcs)



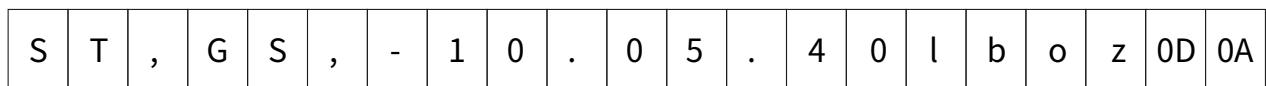
1. Example +0.876 kg Stable net weight :



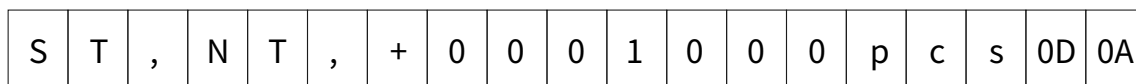
2. Example -1.568 lb unstable gross weight :



3. Example -20.540 lb oz unstable gross weight :

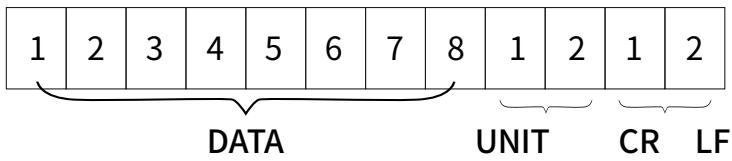


4. Example +1000 pcs stable net weight :

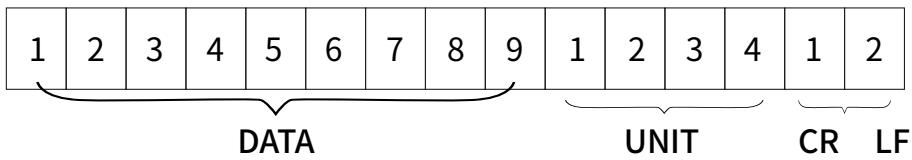


Format 2 (232 4 ~ 6) :

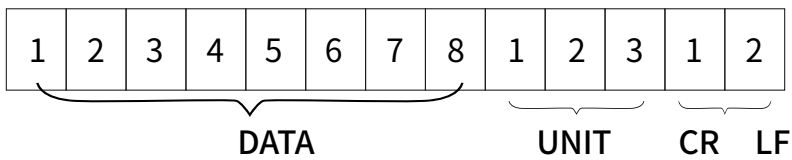
Fixed 12 BYTES ASCII (kg g t lb)



Fixed 15 BYTES ASCII (tl.T lboz)

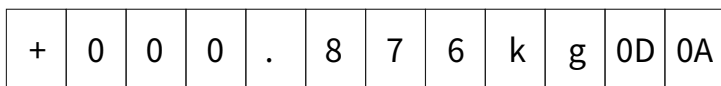


Fixed 15 BYTES ASCII (tl.T lboz)

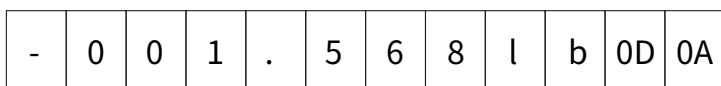


Output examples :

1. Example +0.876 kg Stable net weight :



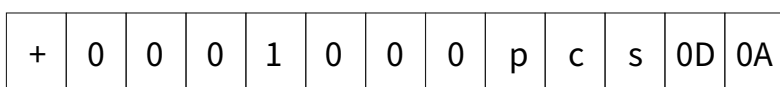
2. Example -1.568 lb unstable gross weight :





3. Example -20. 5.40 lb oz unstable gross weight :



4. Example +1000 pcs stable net weight :



UF-7 RS-232 Speed setting

1. Press the key  to enter.
2. Press the key  to select the desired mode.


Mode 1 : Normal

Mode 2: Fast






Mode 3: Slow

3. Press the  key to confirm.

UF-8 Zero average

1. Press the  key to enter.
2. Press the  key to select.
3. Press the  key to confirm.


UF-9 G Value setting

1. Press the  key to display the G value of manufacture place.
2. If set the G value of local press the  key and then the  or  keys and key  to input the new G value.

ADVANCED FUNCTION SETTING


1. In weight mode, press the  and  keys, the display will show ECF – 1.
2. Press the  or  keys to select ECF-1, ECF-2 or ECF-3

* ECF-1 Check weighing (SPAN)

Press the  to enter, display will show CALZ.

Press the  to zero the display.

Use the keys  and  to select the digit.

Press  key to input the weight value.

Put the calibration weight on the platter and press the  key to calibrate.

* ECF-2 Zero Calibration

Press the  key to enter.

The display will show CALZ.

Press the  key to zero.

Press the  key to calibrate.

GUARANTEE

This scale is guaranteed for one year from the delivery date. The guarantee covers any fabrication defect of the material.

During this period, we cover the labour cost and the spare parts necessary for the reparation of the scale.

This guarantee does not cover the failures caused by an inappropriate use or overcharge.

The guarantee does not cover the freight cost (transport) necessary to repair the scale.

VALUE EACH GRAM
HiWEIGH