

# 805HP

Handheld Digital Weight Indicator Operations Manual (V1612)



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#### 1. Introduction and Product Features

Thank you for choosing Anyload 805HP Handheld Digital Weight Indicator. The 805HP hand held digital weight indicator is a general purpose durable indicator that provides high accuracy, reliability, and multiple functions. The 805HP can drive up to eight  $350\Omega$  or thirty two  $1000\Omega$  load cells. With an IP65 ABS wash down enclosure, the 805HP digital weighing indicator is ideal for use in Transportation, Entertainment, Aerospace, Military, Food and Agricultural industry

#### **Key Features include:**

- Exceptionally long battery life: up to 1,600 hours with 3-AA batteries
- LED backlight and panoramic FSTN LCD view angle
- Material: ABS
- ➤ IP Rating: IP65
- LCD 6-digit display with LED backlight
- Non-volatile memory for reliable data saving
- Units of Measurement: kg, g, t, lb, Klb, N, kN, oz, userdefined unit
- Configurable 2 set-points for precaution and warning
- User-selectable display interval
- Overloading recording
- > 10 user-selectable analog-to-digital converting frequency
- Weight calibration and digital calibration
- User-selectable auto power-off and power-saving timing
- Functions: Auto-Zero Tracking, Auto-Zero, Manual-Zero, Hold, Peak-Hold, TARE

This manual provides installation, operation and configuration information of 805HP indicator. It is recommended to go through the manual in details before installing, operating or configuring the indicator.

## 2. Safety Recommendations

Important instructions, which involve safety, are highlighted with the appropriate mark:



When it is required to work inside the indicator enclosure for some procedures described, the work can only be performed by qualified technical personnel.

## 3. Display Icon List

Icon	Meaning
	Battery Power
<b>→</b>	Peak hold mode
M+	Save weight to memory
<b>↔</b> ŷ	Acquire Tare value
ලි	Gross weight
*	Cumulate Mode
<b>→</b> 0←	Zero Scale
((•))	Wireless communication is normal
A	Weight surpassed "overload warning value "signal
M	Signal stability
•••	There is a hidden figure which will be shown on the
	following page

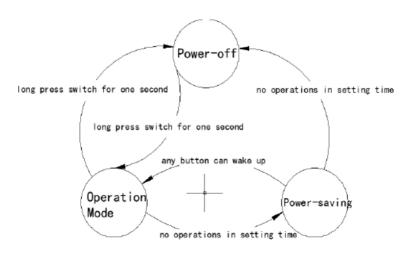
# 4. Key List

Buttons			M	odes	
Butto	7115	Normal	Peak	Cumulate	Menu
	Short press				
【SWITCH】	Long press	Turn Off		Turn Off	
	Short press	Accumulate		Add weight to memory	Enter
[CUMULATE]		Go to Cumulate Mode		normal	Add/Delete decimal point



-0-	Short press	Zero scale			<b>†</b>
【ZERO】	Long press			Clear Cumulative value	
T	Short press	Holding/ Cancel	Clear Peak Value	Show the lowest five digits	<b>→</b>
【HOLD】	Long press	Go to Peak Mode	Return to Normal Weighing Mode		
<del>-</del> \$	Short press	Tare/Untare		Gross/Net Cumulative Value	Ţ
【TARE】	Long press				
U-	Short press	Switching units		Show the highest five digits	<b>←</b>
【UNITS】	Long press				

# 5. Operation Mode



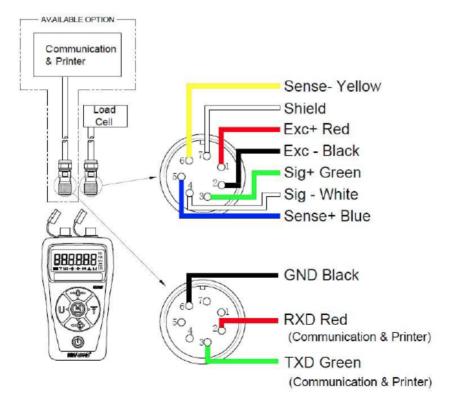


Operation mode	Function
Power-off	When the indicator is turned off, date will be saved in
	non-volatile memory.
Operation mode When the indicator enter wake-up mode, all fun	
	are enable, and the power run dynamically.
Power-saving	LCD is on, but backlight is off. RS-232 circuit shut down.

#### 6. Start Up

#### 6.1 805HP Wired Model

Connect load cell (communication & printer) to 805HP according to the following connection diagram:







Press [SWITCH] for one second, indicator is turned on. After indicator cycles through from 0 to 9, the indicator will enter Normal Weighing mode

#### 6.2 805HP Wireless Model

The indicator was set to match the corresponding wireless transceiver before it leaves the factory. If you need to change the indicator or wireless transceiver due to radio frequency interference, you can configure the communication parameters with the following steps in Section 9.2- Wireless Communication of this manual.

#### 7. Modes

Once the indicator is turned on or restarted the mode will automatically set to Normal Weighing mode. It can be set to various modes like Peak mode, Gross/Net Mode or Cumulate Mode

## 7.1 Normal Weighing Mode

When indicator is set to the Normal Weighing mode, T (Peak mark) will not appear in the display



#### 7.1.1 Basic Operations in Normal Weighing Mode

#### I. Zero Scale

When in the Gross weight mode, → (Tare mark) does not appear and (Gross weight) appears. Remove the load from the scale and wait until (Stable mark) appears. Press ↑ 【ZERO】, and -0-(Zero mark) appears. Zero Scale setting completed

#### II. Acquire Tare Value

When no Tare is stored ( [Tare mark] does not appear), place the load on the scale and wait until (Stable mark) appears. Press  $\downarrow$  [TARE], Tare weight is stored. Display is in Net weight when (Tare mark) is displayed, [a] (Gross weight mark) disappears.

#### III. Remove Stored Tare Value

When indicator has stored tare weight value other than 0 ( [Tare mark] appears), press  $\downarrow$  [Tare] to remove the stored tare weight value. Display is in Gross weight mode when (Tare mark) is not displayed.

#### 7.2 Gross/Net Mode

When tare weight is stored (indicator has stored tare weight value other than 0), press  $\downarrow$  [TARE] to change from net weight to gross weight or vice versa.

(Gross Weight mark) appears when in gross weight mode. (Gross Weight mark) disappears when in net weight mode.

#### 7.3 Peak Mode

To activate Peak Weighing Mode, long press → 【HOLD】 and (Peak mark) appears



#### I. Peak/Normal Weighing Mode

When (Peak mark) appears, peak mode is activated. Display always shows the maximum value of load which has been applied to the load cell. When the load is removed, display still shows the peak load. When (Peak mark) disappears, peak mode is deactivated. Value shown on display changes according to the load applied to the load cell. Long press  $\rightarrow$  【HOLD can change indicator from Peak mode to Normal Weighing mode, or vice versa.

#### II. Remove Peak Mode Value

When Peak mode is on ( (Peak mark] appears), remove the load and short press  $\rightarrow$  【HOLD】.Peak mode value is removed, and indicator starts another Peak mode operation

#### 7.4 Cumulate Mode

#### I. Save Value of Weight to Memory

Short press ∠【CUMULATE】, display will flash 'total'. M+'Memory mark) will appear. Weight is now saved to memory

#### II. Show Accumulated Weight

Long press (CUMULATE), indicator changes to Cumulate mode from weighing mode or peak mode, or vice versa.

When indicator is in Cumulate mode, display shows the accumulated total gross weight value

#### III. Gross/Net Mode

Press  $\downarrow$  【TARE】, indicator changes from Gross mode to Net mode, or vice versa.

Display shows total gross weight value while (Gross Weight mark) appears. Display shows total net weight value while (Gross Weight mark) disappears



#### IV. Clear Cumulative Value

Long press ↑ 【ZERO】, total gross weight value and total net weight value will be cleared

#### 7.5 Calibration Mode

In this mode, you have to enter the menu and parameter settings module. (Refer to Section 10 of this manual for Calibration of the scale)

#### 8. **Configurations and Menu Operations**

#### 8.1 Menu Operations

## I. Menu Settings

	[ZERO]	[TARE]	[UNITS]	[HOLD]	[CUMULATE]
short press	1	Į.	←	<b>→</b>	v
long press					add/delete decimal point

#### II. Menu Operations

#### Entering in the menu:

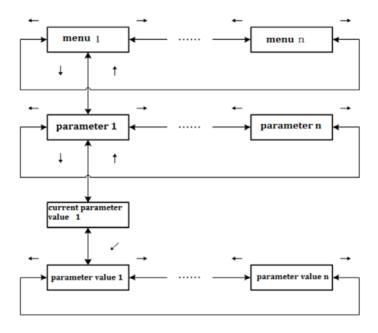
Press directional  $\leftarrow$ ,  $\rightarrow$ ,  $\uparrow$ ,  $\downarrow$  to input the passwords, and press  $\trianglerighteq$  to enter the configuration menu.

If invalid password is entered, display will re-enter weighing mode.



#### III. Menu Structure and Parameter Description

The menu structure and keys operation are shown in the following flow diagram:



There are 4 directional keys  $\leftarrow$ ,  $\rightarrow$ ,  $\uparrow$ ,  $\downarrow$  to be used for the operation.  $\leftarrow$ ,  $\rightarrow$  are used for horizontal movement in the same level menu and parameters.  $\uparrow$ ,  $\downarrow$  are used for moving up and down through different level menus.

Use  $\leftarrow$ , $\rightarrow$  to choose a parameter in a menu and use  $\downarrow$  to move to the next level menu or parameter.

When moving into a parameter of a menu, the indicator shows the previous choice.

If you want to change the parameter values, use  $\normalcolor{}{}$  to move into the parameter change status. When the parameter of a menu is a fixed value, use $\normalcolor{}{}$ ,  $\normalcolor{}{}$  to move horizontally. Use  $\normalcolor{}{}$  to store the selected parameter and to return to the last menu.

When a parameter value of a menu is editable, directional keys  $\leftarrow$ ,  $\rightarrow$  are used to edit the digit selected, directional keys  $\uparrow$ ,  $\downarrow$  are used to increase and decrease the value of the selected digit. Press  $\trianglerighteq$  to save the input values and exit



In the actual menu structure, the selected menu item is displayed horizontally. The parameter value with the symbol () is the default value of system reset.

Menu	Display	Parameter	Parameter Value
U5E ~	ЬЕЕР	buzzer switch	[on]/off
	LIE En	background light	[on]/off
		switch	
	LI GhE	Background light turn off time/ s	dis/1/2/3/5/[10]/15/20/30/60
	R off	Auto off time/min	[dis]/1/2/3/5/10/15/20/30/60
	P'6	Unit kg	[on]/off
	E	Unit t	on/[off]
	Б	Unit g	on/[off]
	L b	Unit Ib	on/[off]
	o =	Unit oz	on/[off]
	L.F.P.	Unit klb	on/[off]
	Π	Unit N	on/[off]
	P'n'	Unit kN	on/[off]
	Un	Unit UN	on/[off]
	Un uRL	User's unit	Any Number
	dFE U	Default unit	[kg]/lb/t/g/oz/klb/N/kN/user's unit
ouEr	PrE	Overload Warning	[on]/off
	PrE u	Overload Warning	Any Number (lower than Overload
		value	Alarm value)
	ouEr	Overload Alarm	[on]/off
	ouEr u	Overload Alarm	Any Number (higher than Overload
		value	Warning value)
	RI GR	Historical maximum	(read only)
		overload value	
[onFIG	InErE	Division value	0.001/0.002/0.005/0.01/0.02/0.05/
			0.1/0.2/0.5/0.1/0.2/0.5/[1]/2/5/
			10/20/50



	F C : D D :	1	
	C R P	Rated Weighing	Any number
	rREE	Sampling speed/Hz	4.17/6.25/8.33/[10]/12.5/
	L		16.7/33.2/50/62/123
	5 Ł b Ł	Stability Judgement	[0.5]/1/2
		times/s	
	5 t b r	Stability judgement	0.1/0.2/0.3/0.4/[0.5]/0.75/
		range/d	1/1.25/1.5/1.75/2/2.5/3/
			3.5/4/5
	G	Acceleration of	Any number
		gravity value	
ERL	EEro	Zero A/D count	(read only)
	LoRd	Calibrated weight	Any number
	ERL	Calibrated point A/D	(read only)
		count	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Ł R r E	Zero offset value	(read only)
dERL	EEro	Zero A/D count	Any number
	LoRd	Calibrated weight	Any number
	CRL	Calibrated A/D count	Any number
oUE	Eon	Serial	on/[off]
(For wired version		communication	c[c]
only)	ьяиа	Baud rate/bps	[1200]/2400/4800/9600
oy	bl E	Output DB	[8n1]/8o1/8E1
	LYPE	Communication	[contin]/reque
		mode	[continj/reque
	5 0.	Wireless radio	
	rf rRE		[2Hz]/3Hz/4Hz/5Hz
- ··	Rddr	frequency Wireless address	0-255 Any number
r Rdi o			0~255 Any number
(For wireless version	SEEY	Automatic channel	
only)		search	
	bRnd	Manual switching	1~16
	GRIn	channel	
595 -	u E r	Wireless gain	1~8
222	r E S E E	Software version	(read only)
	L C D C C	System parameter	
	- 15	reset	
	ñod E	Software Mode	[None]/OIML/NTEP/Canada



#### 8.2 Overload

#### I. Records Overload

This indicator records the real time overload situation. When loading weight exceeds the overload alarm set value, the background light flashes (if background light is enabled), the panel shows **(warning)**, the display flashes, and shows the error message

When loading weight exceeds the overload alarm set value, the background light flashes (if background light is enabled), the panel shows (warning signs), the display flashes, shows the error message  $\mathbb{R}^1$   $\mathbb{R}_+$   $\mathbb{R}_+$  and the buzzer warns intermittently

If, overload weight exceeds the historical maximum overload weight, the historical maximum overload weight will be updated

#### II. Clears Overload Records

Press the  $\uparrow$ ,  $\downarrow$  key, and hold for 1 second, indicator pops up the password screen PNNNNN.

Press the arrow keys  $\leftarrow$ ,  $\rightarrow$ ,  $\uparrow$ ,  $\downarrow$  Enter the password 80500, then press  $\trianglerighteq$  key. The screen displays \_\_\_ [L\_ and will clear the overload cumulative value.

## 8.3 Modify Password

Press the  $\uparrow$ ,  $\downarrow$  key, and hold for 1 second, indicator pops up the password screen. PAAAAA.

Press the arrow keys  $\leftarrow$ ,  $\rightarrow$ ,  $\uparrow$ ,  $\downarrow$  Enter the password 08050, then press  $\angle$  key Display shows the password menu (PWORD). Press  $\downarrow$  to enter.

The first parameter is the user's password (USER P), press  $\downarrow$  to enter, display the current password, for example \$\int 15432 \iff{1}\$. Note that the password is effective only within five- digital, one hundred thousand digits will be discarded. new password, press ∠ key again to save, press ↑ key to return to the previous menu.



#### 9. Communication

The 805HP indicator has two ways in communicating to the scale:

#### 9.1 RS232 Communication

The indicator has a standard RS-232 serial output interface to connect to large screen monitors, computers or other peripherals. Its effective connection cable length is 15 meters and beyond this length may lead to a high error rate.

To turn on/off serial communication, enter the configuration menu and press  $\rightarrow$ until the indicator shows  $\square$   $\square$   $\square$  Press  $\square$  to enter the submen  $\square$   $\square$   $\square$  and select on/off with  $\leftarrow$ , $\rightarrow$ . Press  $\bowtie$  to confirm selection

#### I. Serial communication baud rate

Serial communication baud rates 1200bps, 2400bps, 4800bps, 9600bps are confirm selection.

#### II. Data frame format

Data frame format is set in  $h \mid h \mid h$  submenu. Press  $\downarrow$  to enter the submenu and use the  $\leftarrow$ ,  $\rightarrow$  to select your desired format. Press  $\trianglerighteq$  to confirm selection. Serial output format can be configured as 8N1 / 8O1 / 8E1. 8N1 means 1 start bit, 8 data bits, 1 stop bit, no parity. 801 means 1 start bit, 8 data bits, 1 stop bit, odd parity. 8E1 means 1 start bit, 8 data bits, 1 stop bit, even parity. Indicator outputs data in the form of byte frame. Every byte frame is constituted by eight bytes of data, and all the bytes are ASCII. |=|D0|D1|D2|D3|D4|D5|D7|

Each frame begins with '=' (0x3D).

Each frame contains seven data bytes, including decimal point '.' (0x2E).MSB first, and the LSB follows. If there is a negative sign '-' (0x2D), then it will be transmitted first.

For example, transmit 70.15, that is transmitting | = | | | 7 | 0 | . | 1 | 5 | For example, transmit -32.5, that is transmitting | = | | | - | 3 | 2 | | 5 |.



#### III. Communication mode

Two communication modes can be selected in F + P = F submenu. Press  $\downarrow$  to enter the submenu and use the  $\leftarrow$ , $\rightarrow$ , to select your desired communication mode. Press \( \subset \to confirm selection. \)

When the parameter is configured to contin, indicator transmits data in the form of one frame after the other.

When the parameter is configured to reque, if and only if the indicator receives ASCII code '@' character, it will send a data frame.

#### 9.2 Wireless Communication

The indicator can operate at 433Mhz and 915Mhz frequencies. The effective distance between the scale and indicator is maximum of 75 meters.

If you need to change the indicator or wireless transceiver, or because of radio frequency interference, you can configure the communication parameters to re-obtain high-quality communications in the following steps:

> Set up a wireless address: The wireless transceiver has its own independent and fixed communication address with codes 0 - 255. The wireless communication works when the address code of the indicator is consistent with the address of the wireless transceiver. Check Rdd parameter values of the Rdl menu and make any necessary changes to match the address code of the wireless transceiver.

Automatic Channel Search: After completing the wireless address set up, execute command 5FF  $\mu$ . Indicator will automatically search the wireless transceiver channels from 1-16. If the channel search is successful, the indicator will display PASS. If the channel search fails, the indicator displays FAIL. Check if the wireless transceiver power supply is normal, if the communication distance is too far, and if radio frequency interference exists.



Manually switch channels: When multiple sets of wireless systems are needed in the same location, wireless systems of the same channel may interfere with each other. To avoid this, you need to manually switch channels. Using different channels to distinguish between different wireless systems will ensure high quality wireless communications. To manually change channels, execute command b nd of the nd amenu. Press ←、→ key to choose the designated channel number (1-16), and press ∠ key to execute the handover command. If the channel matches successfully, the indicator displays PASS. If the channel fails, the indicator displays FAIL. Switching command is repeatable until channel match is successful

**Set communication power:** To set communication power, execute command GRI nof the rAdI o menu. Press  $\leftarrow$   $\rightarrow$  key to and select the power level (1 - 8), press  $\checkmark$  key to perform the set command. When the power settings are successful, the indicator displays PASS. When the power setting fails, the indicator displays FAI L. Switching command can be executed repeatedly until switched successfully

## 10. Calibration and Parameter Settings

The following are the requirements in calibration:

- The scale can only be recalibrated using the 805HP indicator. The scale and indicator shall established a stable communication
- Test Weights
- Make sure Local Gravity is in line with the gravity stored in the indicator, otherwise, change it according to the local gravity value

#### 10.1 Weight Calibration

The weight calibration consists of the following steps:

- Zero A/D count
- Weight Calibration.
- Calibrated point A/D count
- Zero offset value ( Zero offset can be re-corrected when using hooks or chains to hang the test weights. )



The following describes calibration procedure for each of the calibration methods:

- 1) Enter the configuration menu, the indicator shows  $U \subseteq E_r$ all loads. If hooks or chains are used to hang the test weights, load the hooks or chains.
- 2) Press  $\rightarrow$  until the indicator shows  $[\Gamma R L]$  . Press  $\angle$  to move into zero A/D count.
- 3) The indicator shows  $\begin{bmatrix} E & F & D \end{bmatrix}$ , press  $\angle$  to zero calibration. The indicator shows the A/D count for the zero calibration, e.g. 505 147. Press & again to save the value and go to the next menu.
- 4) The indicator shows | Load test weights, press ∠. The indicator shows the test weight value, e.g.  $\boxed{0}$   $\boxed{0}$   $\boxed{0}$   $\boxed{0}$  . Press  $\leftarrow$ ,  $\rightarrow$ ,  $\uparrow$ ,  $\downarrow$  to input the test weight value. Press ∠ to save the value and go to the next menu
- 5) The indicator shows [ ☐ R L ] Press ∠ to calibrate span. The A/D count calibration value and go to the next menu.
- 6) When the indicator shows FRFE, there are 2 options: 6.1) If no chains or hooks are used to hang the test weights during calibration, remove the test weight and press the start key to finish the calibration and return to weighing mode
- 6.2) If hooks or chains are used during the calibration, remove these and the test weights. With all weight removed, press ∠ to re-zero (this function can be used to remove the tare weight deviation if the hooks or chains are used to hang the test weights). The indicator shows the current A/D count, e.g. 5777 187. Press ∠ again to finish the calibration and return to weighing

Suggestion: When calibration is finished, record the A/D count of zero and span calibration, so that you may re-calibrate your indicator simply by entering the recorded A/D count of zero and span calibration



#### 10.2 Digit Calibration

The digit calibration consists of the following steps:

- zero A/D count
- weight Calibration.
- Calibrated point A/D count

The following describes calibration procedure for each of the calibration methods:

	1) Enter the configuration menu, the indicator shows $ar{flat}$	U 5	Er	
--	---	-----	----	--

- 2) Press  $\rightarrow$  until the indicator shows  $\left[ \underline{d} \left[ \underline{\Gamma} \right] \underline{R} \right] \left[ \underline{L} \right]$ . Press  $\underline{\vee}$  to move into zero A/D count.
- 3) The indicator shows  $[ \exists E \land o ]$  Press  $\angle$  and the indicator will show  $[ \exists D ] [ ] [ ] [ ]$  Press  $\leftarrow$ ,  $\rightarrow$ ,  $\uparrow$ ,  $\downarrow$  to input the new zero A/D count. Press  $\angle$  again to save and go to the next menu.
- 4) The indicator show  $[L \cap R \cap A \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show  $[L \cap R \cap A] = \{ ess \ \angle \}$  and the indicator will show [L
- 5) The indicator show:  $\[ \[ \[ \] \] \]$  Press  $\[ \] \]$  and the indicator will show  $\[ \] \[ \] \]$  Press  $\[ \] \]$  and the indicator will show  $\[ \] \]$  Press  $\[ \] \]$  again to save and finish the digit calibration

## 11. Troubleshooting Guides

PROBLEM	POSSIBLE CAUSE	SOLUTION
No display in the indicator	Defective battery	Replace
	Defective button/s	Requires authorized service
	Power button not properly pressed	Press and hold ON/OFF key for three



		seconds
Digits flash (indicator)	Low battery	Replace battery
Display does not respond to load changes	Faulty load cell	Requires authorized service
	Out of calibration	Re- calibration
Displayed weight	Scale is not Zeroed	Press ZERO before
shows large error	before applying weight	applying weight
	Requires recalibration	See calibration
	Units (Kg/lb) wrong selection	See operation
Wireless distance	Wireless indicator's	Replace battery.
shortened	battery is low	
	Adjust the RF Power output in the indicator	See operation

# 12. Technical Specifications

Features & Specifications	805HP-WL (Wireless	805HP (Wired Indicator)	
	Indicator)		
Electrical Performance:			
Link Connection/Interface	Within 2.4 Ghz Radio	Wired with RS-232	
	Frequency-16 available	compatible interface	
	channels to avoid		
	interference (duplex).		
Non-linearity	±0.001%F.S. Max		
Zero Temp. Drift	±10nV/°C		
Max. Capacity Temp. Drift	±3ppm	n/°C Max	
Max. Display Resolution	1/10,000		
Min. Input Sensitivity	0.3	μV/e	
Input signal range:	0mV^	±25mV	
Load cell Excitation Voltage	1.22Vdc		
Power Supply	3 x AA 1.5V alkaline batteries		
Power Consumption	Tested with 2200mAh alkaline batteries		
	≥500 hour with 380Ω loa	d cell in idle mode	



≥250 hour with 180Ω load cell in weighing mode ≥1000 hour with 1000Ω load cell in idle mode ≥350 hour with 1000Ω load cell in idle mode ≥350 hour with 1000Ω load cell in weighing mode ≥350 hour with 1000Ω load cell in weighing mode ≥350 hour with 1000Ω load cell in weighing mode ≥350 hour with 1000Ω load cell in weighing mode ≥350 hour with 1000Ω load cell in weighing mode ≥350 hour with 1000Ω load cell in weighing mode ≥350 hour with 1000Ω load cell in weighing mode ≥350 hour with 1000Ω load cell in weighing mode ≥350 hour with 1000Ω load cell in weighing mode ≥350 hour with 1000Ω load cell in weighing mode ≥350 hour with 1000Ω load cell in weighing mode ≥350 hour with 1000Ω load cell in weighing mode ≥350 hour with 1000Ω load cell in idle mode ≥350 hour with 1000Ω load cell in weighing mode ≥350 hour with 1000Ω load cell in idle mode ≥350 hour with 1000Ω load cell in idle mode ≥350 hour sell in weighing mode vills 1250 /250 /250 /250 /250 /250 /250 /250 /		ם וו טענים	
Display: Display Display G-digit panoramic FSTN LCD with LED back light A.17/6.25/8.33/10/12.5/16.7/33.2/50/62/123Hz are user-selectable. Display content Display can show a positive or negative number, and decimal point can be selected to any position.  Kg/lb/t/g/oz/klb/N/kN/ are user-selectable units. Measurements units can be enabled independently and switched. The default unit can be selected.  Enclosure material ABS IP Rating IP65 Ports RS-232C (optional) RS-232C Functions:  Overload protection User-selectable overload warning value and alarm value. Overload warning and alarm can be enabled or disabled Overload alarm peak records can be reviewed  Functions 2 set-points calibration, Zero scale, Tare, Low battery warning, Peak-hold.  Power-down storage Date can be saved after power-off. Date can also be saved after removing batteries.  Power-saving If inactive for a period of time set by user, the auto power-saving mode will activate. If inactive for a period of time set by user, the auto power-off mode will activate.  Functions:  Zero Yes Tare In / Tare Out Yes Hold Yes ( with Peak Hold ) Low Voltage Alarm Yes Battery Supervision  Overload Alarm / Record Overload  2 Alarm Set Point ( Lower and Higher ) - records overload			
Display   6-digit panoramic FSTN LCD with LED back light   Sampling Frequency   4.17/6.25/8.33/10/12.5/16.7/33.2/50/62/123Hz   are user-selectable.		≥350 hour with 1000Ω load cell in weighing mode	
Sampling Frequency  4.17/6.25/8.33/10/12.5/16.7/33.2/50/62/123Hz are user-selectable.  Display content  Display can show a positive or negative number, and decimal point can be selected to any position.  kg/lb/t/g/oz/klb/N/kN/ are user-selectable units.  Measurements units can be enabled independently and switched. The default unit can be selected.  Enclosure material  ABS  IP Rating  IP65  Ports  RS-232C (optional)  RS-232C  Functions:  Overload protection  User-selectable overload warning value and alarm value.  Overload warning and alarm can be enabled or disabled  Overload alarm peak records can be reviewed  Functions  2 set-points calibration, Zero scale, Tare, Low battery warning, Peak-hold.  Date can be saved after power-off.  Date can also be saved after removing batteries.  If inactive for a period of time set by user, the auto power-saving mode will activate.  If inactive for a period of time set by user, the auto power-off mode will activate.  Functions:  Zero  Yes  Tare In / Tare Out  Yes  Hold  Yes (with Peak Hold)  Low Voltage Alarm  Battery Supervision  Overload Alarm / Record  Overload  2 Alarm Set Point ( Lower and Higher ) - records overload	Display:		
are user-selectable.  Display content  Display can show a positive or negative number, and decimal point can be selected to any position.  Kg/lb/t/g/oz/klb/N/kN/ are user-selectable units. Measurements units can be enabled independently and switched. The default unit can be selected.  Enclosure material  ABS  IP Rating  IP65  Ports  RS-232C (optional)  RS-232C  Functions:  Overload protection  User-selectable overload warning value and alarm value.  Overload warning and alarm can be enabled or disabled  Overload alarm peak records can be reviewed  Functions  2 set-points calibration, Zero scale, Tare, Low battery warning, Peak-hold.  Power-down storage  Date can be saved after power-off.  Date can also be saved after removing batteries.  If inactive for a period of time set by user, the auto power-saving mode will activate.  If inactive for a period of time set by user, the auto power-off mode will activate.  Functions:  Zero  Yes  Tare In / Tare Out  Yes  Hold  Yes ( with Peak Hold )  Low Voltage Alarm  Battery Supervision  Overload Alarm / Record  Overload Alarm / Record  2 Alarm Set Point ( Lower and Higher ) - records overload	Display	6-digit panoramic FSTN L	.CD with LED back light
Display content  Display can show a positive or negative number, and decimal point can be selected to any position.  Whits of Measurement  Reg/lb/t/g/oz/klb/N/kN/ are user-selectable units.  Measurements units can be enabled independently and switched. The default unit can be selected.  Enclosure material  ABS  IP Rating  Ports  RS-232C (optional)  RS-232C  Functions:  Overload protection  User-selectable overload warning value and alarm value.  Overload warning and alarm can be enabled or disabled  Overload alarm peak records can be reviewed  Functions  2 set-points calibration, Zero scale, Tare, Low battery warning, Peak-hold.  Power-down storage  Date can be saved after power-off.  Date can also be saved after removing batteries.  If inactive for a period of time set by user, the auto power-saving mode will activate.  If inactive for a period of time set by user, the auto power-off mode will activate.  Functions:  Zero  Yes  Tare In / Tare Out  Yes  Tare In / Tare Out  Hold  Yes (with Peak Hold)  Low Voltage Alarm  Battery Supervision  Overload Alarm / Record  Overload Alarm / Record  Overload Higher) - records overload	Sampling Frequency	4.17/6.25/8.33/10/12.5/16.7/33.2/50/62/123Hz	
and decimal point can be selected to any position.  Units of Measurement  kg/lb/t/g/oz/klb/N/kN/ are user-selectable units.  Measurements units can be enabled independently and switched. The default unit can be selected.  Enclosure material  ABS  IP Rating  Ports  RS-232C (optional)  RS-232C  Functions:  Overload protection  User-selectable overload warning value and alarm value. Overload warning and alarm can be enabled or disabled Overload alarm peak records can be reviewed  Functions  2 set-points calibration, Zero scale, Tare, Low battery warning, Peak-hold.  Power-down storage  Date can be saved after power-off. Date can also be saved after removing batteries.  Power-saving  If inactive for a period of time set by user, the auto power-saving mode will activate. If inactive for a period of time set by user, the auto power-off mode will activate.  Functions:  Zero  Yes  Tare In / Tare Out  Yes  Hold  Yes ( with Peak Hold )  Low Voltage Alarm  Poverload Alarm / Record  Overload Selarm Set Point ( Lower and Higher ) - records overload			
Units of Measurement  kg/lb/t/g/oz/klb/N/kN/ are user-selectable units.  Measurements units can be enabled independently and switched. The default unit can be selected.  Enclosure material  IP Rating  Ports  RS-232C (optional)  RS-232C  Functions:  Overload protection  User-selectable overload warning value and alarm value. Overload warning and alarm can be enabled or disabled Overload alarm peak records can be reviewed  Functions  2 set-points calibration, Zero scale, Tare, Low battery warning, Peak-hold.  Power-down storage  Date can be saved after power-off. Date can also be saved after removing batteries.  Power-saving  If inactive for a period of time set by user, the auto power-saving mode will activate.  If inactive for a period of time set by user, the auto power-off mode will activate.  Functions:  Zero  Yes  Tare In / Tare Out  Yes  Hold  Yes ( with Peak Hold )  Low Voltage Alarm  Poverload Alarm / Record  Overload Alarm / Record  Overload  Yes  2 Alarm Set Point ( Lower and Higher ) - records overload	Display content	Display can show a positive or negative number,	
Measurements units can be enabled independently and switched. The default unit can be selected.  Enclosure material  Pating  Ports  RS-232C (optional)  RS-232C  Functions:  Overload protection  User-selectable overload warning value and alarm value. Overload warning and alarm can be enabled or disabled Overload alarm peak records can be reviewed  Functions  2 set-points calibration, Zero scale, Tare, Low battery warning, Peak-hold.  Power-down storage  Date can be saved after power-off. Date can also be saved after removing batteries.  Power-saving  If inactive for a period of time set by user, the auto power-saving mode will activate.  If inactive for a period of time set by user, the auto power-off mode will activate.  Functions:  Zero  Yes  Tare In / Tare Out  Yes  Battery Supervision  Ves  Overload Alarm / Record  2 Alarm Set Point ( Lower and Higher ) - records overload			
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Enclosure material  Enclosure material  IP Rating  Ports  RS-232C (optional)  RS-232C  Functions:  Overload protection  User-selectable overload warning value and alarm value. Overload warning and alarm can be enabled or disabled Overload alarm peak records can be reviewed  Functions  2 set-points calibration, Zero scale, Tare, Low battery warning, Peak-hold.  Power-down storage  Date can be saved after power-off. Date can also be saved after removing batteries.  Power-saving  If inactive for a period of time set by user, the auto power-saving mode will activate.  If inactive for a period of time set by user, the auto power-off mode will activate.  Functions:  Zero  Yes  Tare In / Tare Out  Hold  Yes ( with Peak Hold )  Low Voltage Alarm  Pyes  Battery Supervision  Overload  2 Alarm Set Point ( Lower and Higher ) - records overload			
IP Rating Ports RS-232C (optional) RS-232C  Functions:  Overload protection User-selectable overload warning value and alarm value. Overload warning and alarm can be enabled or disabled Overload alarm peak records can be reviewed  Functions 2 set-points calibration, Zero scale, Tare, Low battery warning, Peak-hold.  Power-down storage Date can be saved after power-off. Date can also be saved after removing batteries.  Power-saving If inactive for a period of time set by user, the auto power-saving mode will activate. If inactive for a period of time set by user, the auto power-off mode will activate.  Functions:  Zero Yes  Tare In / Tare Out Yes  Hold Yes ( with Peak Hold )  Low Voltage Alarm Battery Supervision Yes  Overload Alarm / Record 2 Alarm Set Point ( Lower and Higher ) - records overload			
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If inactive for a period of time set by user, the auto power-off mode will activate.  Functions:  Zero Yes  Tare In / Tare Out Yes  Hold Yes ( with Peak Hold )  Low Voltage Alarm Yes  Battery Supervision Yes  Overload Alarm / Record 2 Alarm Set Point ( Lower and Higher ) - records overload	Power-saving		
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Zero Yes Tare In / Tare Out Yes Hold Yes ( with Peak Hold ) Low Voltage Alarm Yes Battery Supervision Yes Overload Alarm / Record 2 Alarm Set Point ( Lower and Higher ) - records overload		power-off mode will activate.	
Tare In / Tare Out  Hold Yes (with Peak Hold)  Low Voltage Alarm Yes  Battery Supervision Overload Alarm / Record 2 Alarm Set Point (Lower and Higher) - records overload			
Hold Yes ( with Peak Hold )  Low Voltage Alarm Yes  Battery Supervision Yes  Overload Alarm / Record 2 Alarm Set Point ( Lower and Higher ) - records overload			
Low Voltage Alarm  Yes  Battery Supervision  Overload Alarm / Record  2 Alarm Set Point ( Lower and Higher ) - records overload		Yes	
Battery Supervision Yes  Overload Alarm / Record 2 Alarm Set Point ( Lower and Higher ) - records  overload		Yes ( with Peak Hold )	
Overload Alarm / Record 2 Alarm Set Point ( Lower and Higher ) - records overload		Yes	
overload			
- 111	Overload Alarm / Record	2 Alarm Set Point ( Lov	ver and Higher ) - records
Calibration 2-set-points calibration is required for linearity		ove	erload
	Calibration	2-set-points calibration is required for linearity	



	correction	
Digital Calibration	Yes	
Unit Switch	Kg, g, t, lb, Klb, N, kN, oz, User's defined unit	
Gravity Acceleration	Yes	
Switch		
Tare Set	Yes	
Total / Delete / Clear Total	Yes	
View Total	Yes	
Resolution Switch	Yes	
Auto-Off Set	Yes	
Idle Set	Yes	
Tare Range	100% F.S.	
Zero Range	4% F.S.	
Operation Temperature	(-20°C ~50°C) (-4°F~122°F)	
Range		



# **Anyload Transducer Co. Ltd**

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