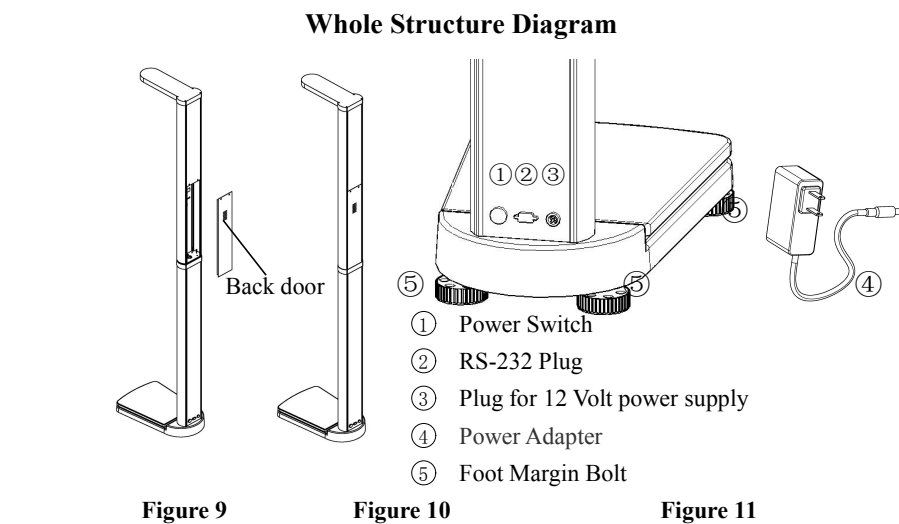
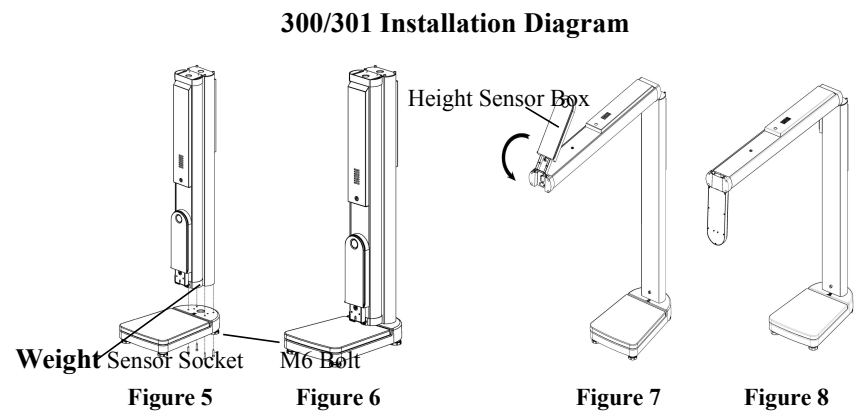
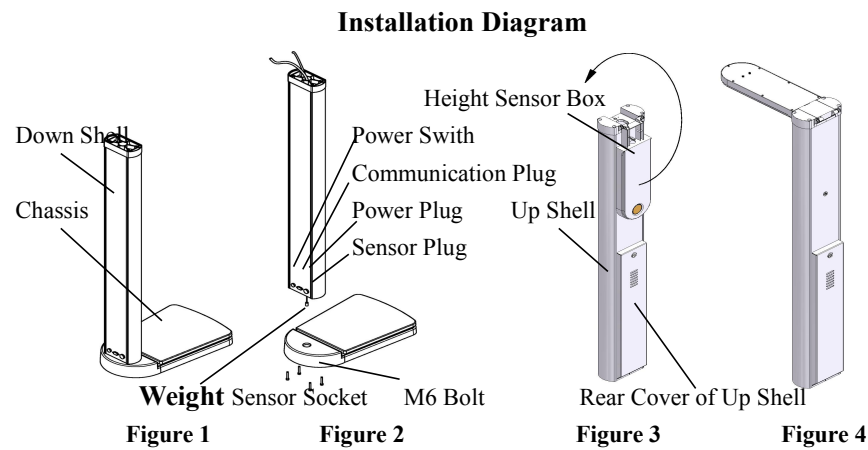


I. Installation instruction



1. Install the down part

As Figure 1 shows (Figure 5 of 300/301/16 Installation Diagram), firstly insert the sensor plug (5-core aviation plug) into the weight sensor socket (5-core aviation socket) and tighten it, and then aim the M6 screwed holes on the chassis at the φ6.5 holes on the shell bottom, and finally screw down M6 bolts to fix them tightly, as Figure 2 shows (Figure 6 of 300/301/16 Installation Diagram).

2. Install the up part

As Figure 3 shows (Figure 7 of 300/301/16 Installation Diagram, rotate height sensor box to the position as Figure 4 shows (Figure 6 of 300/301/16 Installation Diagram)

3. Fix the up part and the down part (apply to DHM-300/301/16)

Firstly pull 5-core weight sensor line and 2-core power line through holes on the bottom of the up shell into the up shell before fixing, and then fix the up part and down part with M4 bolts as Figure 9 shows, finally respectively insert the 5-core weight sensor plug and 4-core power plug into the corresponding position on the mother board (Please refer to Appendix I for specific position), and finally screw down the bolts to fix the back door. The installation is finished (as Figure 10 shows).

II. Operation Instruction (Refer to Figure 11)

1. Turn on the machine:

Connect the power wire well; turn on the power switch which is at the back of the machine body to make machine self-checking: if the BMI (Body Mass Index) display shows S-3, it indicates that the measurement result would be spoken normally; if it shows E-3, it means the measurement result would be mistakenly spoken.

The weight display shall show tare. If the BMI (Body Mass Index) display shows E-8, it means height would be mistakenly measured.

After the program is started, the height display shall show current date, and the weight display shall show current time, while the BMI (Body Mass Index) indicator light begins to flash.

2. Measure:

The machine can automatically measure as long as a person stands on the saddle. (For DHM-200/200D/16, people make measurement after inputting the setting number of coins.)

3. Volume:

The volume can be adjusted by pressing + and – during stand-by state.

Attention:

1. Please make sure that there is nothing on the saddle before turning on the machine.
2. Make sure the ground wire of the power line link with the ground safely.
3. Make the machine keep balance by adjust the 4 foot margin bolts.

4. Display:

Stand-by State	Measuring Results

III. Function settings and adjustment

During stand-by state, press **ENT** button and the digital tube screen will show “1-01”, which indicates the entry of menu operation, at this moment please press **+** or **-**

to select the relevant item, press **ENT** to choose, or press **DEL** to give up and return to the stand-by state.

1. Date adjustment

When the screen shows 1-01, press **ENT** and it will be in the state of date adjustment. Height display shows the current month and year, and weight display shows the current date. Make adjustment while the content of the display flash. Press **+** or **-** to adjust until the actual date is shown on the screen. Press **SEL** to cyclically adjust the year, month, and date. Press **ENT** to save the adjustment and exit. Press **ESC** to exit without save the adjustment.

2. Time adjustment

When the screen shows 1-02, press **ENT** and it will be in the state of time adjustment. Height display shows the current time. Make adjustment while the content of the display flash. Press **+** or **-** to adjust until the actual time is shown on the screen. Press **SEL** to cyclically adjust the minute, and hour. Press **ENT** to save the adjustment and exit. Press **ESC** to exit without save the adjustment.

3. Weight adjustment

When the screen shows 1-03, press **ENT** and it will be in the state of weight adjustment. At this moment the weight screen shall show 0.0, and then put something with confirmed weight on the saddle (also it can be a person). The weight screen shall show the measuring result. If the result is higher than its actual value, press **-** to adjust; if the result is lower, press **+** to adjust until the actual value is shown on the screen. Press **SEL** when you need to measure again. Press **ENT** to save the weight adjustment and exit. Press **ESC** to exit without save the adjustment.

4. Height adjustment

Firstly, put a surveyor’ pole on the saddle, when the screen shows “1-04”, press **ENT** to measure height. The height screen shows the pole’s measuring height. If the result is higher than its actual value, press **-** to adjust; if the result is lower, press **+** to adjust until the actual value is shown on the screen. Press **ENT** to save the height adjustment and exit. Press **ESC** to exit without save the adjustment.

5. How to adjust the interval time of speaking “welcome”

When the screen shows “1-05”, press **ENT** and it will be in the state of adjusting the interval time of speaking “welcome”. At this moment the weight screen will show a number in “0-50”, which denotes the interval time of speaking “welcome”. The interval time of speaking “welcome” can be adjusted by pressing **+** or **-**.

Press **ENT** to save the height adjustment and exit. Press **ESC** to exit without save the adjustment.

Attention:

- a. actual interval time= number (on the screen) \*5 (unit: second)
- b. When it shows “0”, it means no speaking of “welcome”.

6. How to adjust the state of speaking

When the screen shows “1-06”, press **ENT** to adjust the state of speaking. At this moment the weight screen will show a number in “00-07”.

- |  |  |
|--|--|
| 00: no speaking;   | 01: speaking of height and weight;         |
| 02: speaking of BMI;                                       | 03: speaking of height and weight and BMI; |
| 04: static rich voice;                                     | 05: speaking of height and weight;         |
| 06: speaking of BMI and static rich voice;                 |  |
| 07: speaking of height, weight, BMI and static rich voice. |  |

The state of speaking can be adjusted by pressing **+** or **-**.

Press **ENT** to save the adjustment and back to the menu selection. Press **ESC** to return to the menu selection without save the adjustment.

7. Normal range of BMI (Body Mass Index) maximum value

When the screen shows “1-07”, press **ENT** and it will be in the

adjustment of normal range of BMI maximum value. The weight display shows the BMI maximum value. The normal range of minimum values is 19.0-28.0, and it can be adjusted by pressing **+** or **-**. Press **ENT** to save the adjustment and back to the menu selection. Press **ESC** to exit without save the adjustment.

**8. Normal range of BMI (Body Mass Index) minimum value**

When the screen shows “1-08”, press **ENT** and it will be in the adjustment of normal range of BMI minimum value. The weight display shows the BMI maximum value. The normal range of minimum values is 16.0-22.0, and it can be adjusted by pressing **+** or **-**. Press **ENT** to save the adjustment and back to the menu selection. Press **ESC** to return to the menu selection without save the adjustment.

**Attention:** a. adjusts the value according to the actual situation as the normal range of BMI may not be the same in different regions.  
 b. After measurement, the position of BMI light displaying, the print ideal weight and the print normal range of weight depend on the setting of BMI maximum value and BMI minimum value.

c. Body Mass Index: BMI=weight (Kg)/(height)<sup>2</sup>(M<sup>2</sup>) %

**9. Print mode setting(apply to DHM-200D/301/16)**

When the screen shows “1-09”, press **ENT** and it will be in the setting of print mode. Weight screen will show a number in “0-8”, which denotes the current print mode. Different number indicates different print content as the following table shows. It can be adjusted by pressing **+** or **-**. Press **ENT** to save the adjustment and back to the menu selection. Press **ESC** to return to the menu selection without save the adjustment.

content mode	Height	Weight	BMI	Normal Weight	Normal range of Weight
00					
01	*	*	*		
02	*	*		*	
03	*	*	*	*	
04	*	*			*
05	*	*	*		*
06	*	*	*	*	*
07	*	*	*	*	*
08	*	*			

**10. Coin number adjustment (apply to DHM-16)**

When the screen shows “1-10”, press **ENT** and it will be in the adjustment of coin number. At this moment the screen will show a number in “0-9”, which denotes the coin number that must be input. When it shows “0”, indicated that it'll entering a state of automatic measurement. It can be adjusted by pressing **+** or **-**. Press **ENT** to save the adjustment and back to the menu selection. Press **ESC** to return to the menu selection without save the adjustment.

**11. Check the number of measuring**

When the screen shows “1-11”, press **ENT** and it will be in checking the number of measuring. The height screen shows the total number of measurement, the weight screen shows the cumulative number of this batch (from previous to this view time). The range of the cumulative is 0-9999, when it out of range, it'll be automatically back to 0. Press **SEL** to print the cumulative number of measurement, press **ENT** or **ESC** to exit.

**12. To restore the factory settings**

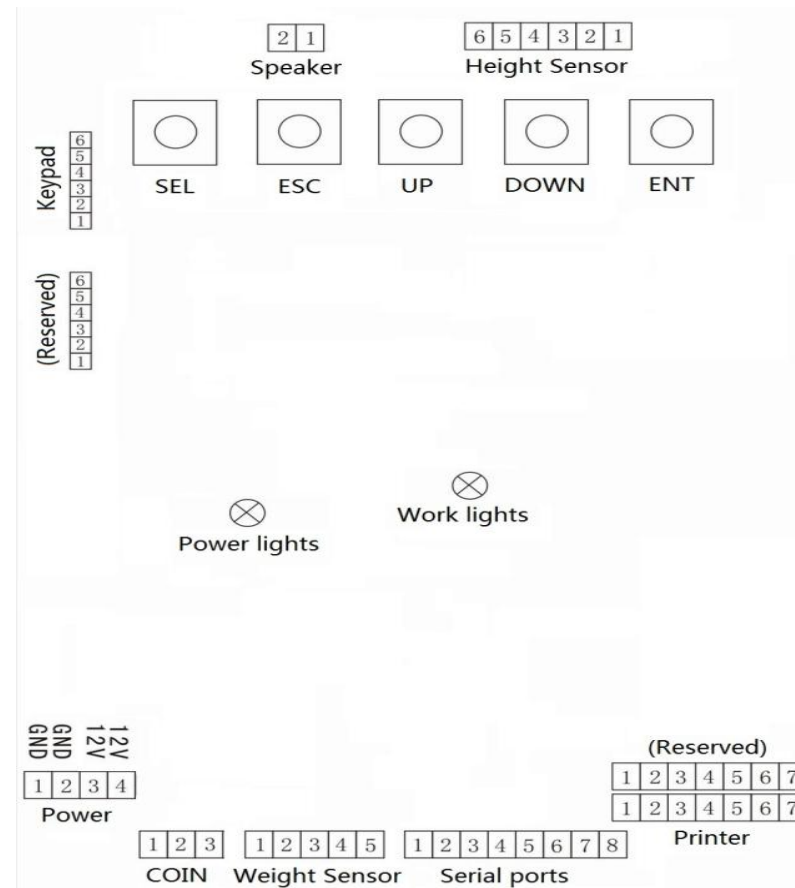
When the screen shows “1-12”, press **ENT** and then the screen shows “8888”,it will be in restore the factory setting menu, press **ENT** and it will restore the factory settings, press **ESC** to exit.

**IV、Electrical data**

Range of Weight: 2-200kg resolution: ±0.1kg  
 Range of Height: 2-200kg resolution: ±0.5cm  
 Power: AC 100V-240V  
 Standby power: 6W

External Dimensions(mm): 490×340×2350  
 Package Dimension(mm): 570×420×180 1245×280×290

**Appendix I : Wiring Diagram**

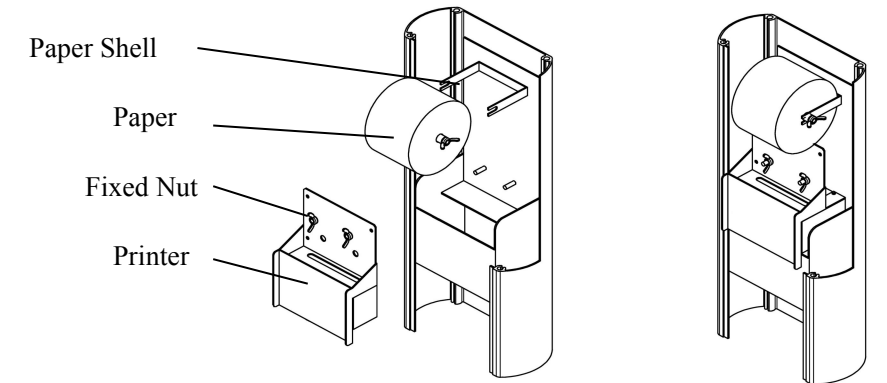


**Attention:** Kindly pay attention that the serial numbers on the socket of film keyboard must be respectively in accord with the serial numbers on the plug of film keyboard.

**Appendix II: Printer installation and replacement of printing paper (apply to DHM-300/301/16)**

1. Install the printer: Unscrew the printer a fixed nut, pull back the printer, you can check the status of printers and printer circuit.
2. Replace the printing: paper Loosen the nut on both sides of the dish, back pull-out paper scroll, screw on either side of the disc under the nut, and put on paper rolls

(note the scroll direction), the screw nut on the dish (Note: Do not tighten), and then insert it into the paper rack and tighten the gap nut dish can be.



**Appendix V: Communication format**

After each measurement, measuring results are sent out via a serial port, the format is sent as follow:

E.g. “W: 082.5; H: 182.5” indicates “weight=82.5kg; height=182.5cm”

Communication protocol: RS-232  
 Communication Format: baud rate=4800bt initiation=1bit  
 data bits=8bit termination=1