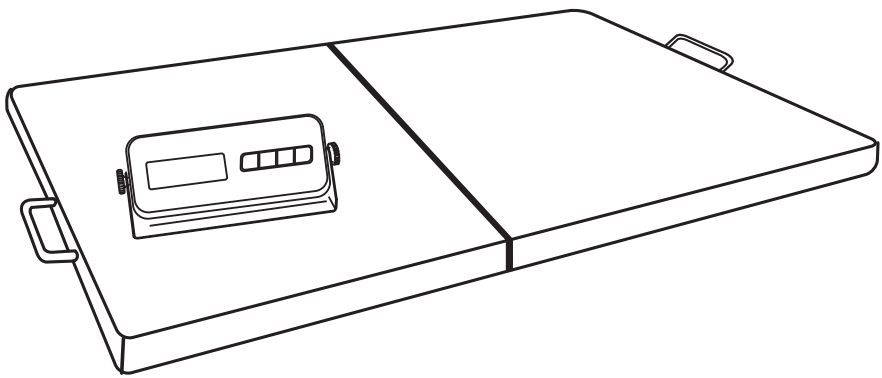
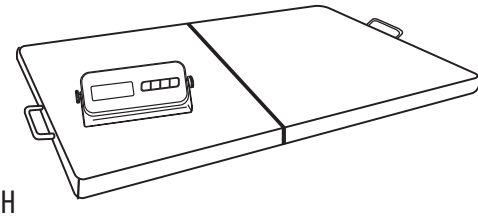
MyWeigh®

VHD-3

OPERATION MANUAL



VHD-3



ENGLISH

Capacity:
300kg x 0.1kg
660 lb x 0.2 lb
47st 3lb x 0.2lb
47.25 st x 0.015 st

Thank you for purchasing the My Weigh® VHD3 folding scale. Please read all operating instructions carefully before use. This electronic scale is a precision instrument. With normal care and proper treatment, it will provide years of reliable service. For more information please visit www.myweigh.com

Never load the scale with more than the mximum capacity. Although the My Weigh® VHD3 is designed to be extremely durable with extra overload protection built into the scale, overloading will permanently damage it! Avoid any exposure to extreme heat or cold, your scale works better when operated at normal room temperature. Keep your scale in a clean environment. Dust, dirt, moisture, vibration, air currents and/or a close proximity to other electronic equipment can all cause an adverse effect on the reliability and accuracy of your scale. Handle with care. Gently apply all items to be weighed onto tray top. Avoid shaking, dropping or otherwise shocking the scale. Scales are delicate instruments and unlike cellular phones, scales have delicate sensors that determine how much an item weighs. If you drop or shock your scale, these sensors "feel" the shock and are sometimes destroyed. This happens with all digital scales. We design our scales to be as resistant to shock or drops as possible, however there is no way for us to protect 100% against load cell or sensor damage.
Failure to follow these instructions will void your warranty.

Always allow the scale to climatize to normal room temperature for at least one hour before use. Give your scale sufficient warm up time. Usually 30-60 seconds before calibration to give the internal components a chance to stabilize.

POWER SUPPLY

The My Weigh® VHD3 scale was designed to run with DC9V 300mA adapter or optional 6 x AA batteries. The AC adapter plugs into the socket on the back of the scales weighing indicator. If you want to use batteries, please install them in the battery compartment on the back of the indicator.

Battery Installation
For battery installation, lift and open the battery cover, remove and/or install the batteries. Be sure that the batteries are installed correctly following the polarity indicators in the battery compartment. Reinstall the battery cover.

OPERATION INSTRUCTIONS

Only operate the scale on a flat, level surface that is stable and durable enough to support the scale and the items being placed on the scale. Press the **[ON/OFF]** switch at the back of the indicator to turn on the scale. When the power is turned on, the scale will countdown for a few seconds and "0.00" will appear on the display.

To begin weighing, follow these steps:
Press the **[UNIT]** key to change the weighing unit between kg , lb, st, st:lb. Place the item you are weighing on the scale and the indicator will display the weight.

Tare Function
Tare can be used for eliminating the weight value of an empty container. If you wish to use a container place the empty container on the scale and press **[TARE]**. Once the TARE button is pressed you will notice the display changes from gross weight to net weight this simply confirms that Tare is active. Then place the items to be weighed in the container. NOTE: When all weight is removed from the weighing tray, the tared value of a container will be displayed as a negative number. Press **[TARE]** again to return the scale to zero.

Hold Function
Press **[HOLD]** to hold current weight reading, press **[HOLD]** again to cancel.

Zero Function
[ZERO] is used to zero the scale, if at the time there is no weight on the platform but the display is not "0.0".

CALIBRATION

Calibration may be required when the scale is first set up for use, or if the scale is moved to a different altitude or new location. This is necessary because the weight of a mass in one location is not necessarily the same in another location. Also, with time and use, mechanical deviations can occur.

Standard Calibration
For this calibration method you must have an accurate 200kg weight or combination of weights in order to calibrate.

1. From the off setting press & hold the **[ZERO]** & **[TARE]** buttons and turn on the scale. Release both keys when the display shows "CAL" and an AD value.
2. Press the **[TARE]** key, the display will show the calibration weight "200kg".
3. Place the correct calibration weight on the center of the platform and press **[TARE]**.
4. The display will show the A/D value and return to weighing mode.
5. Remove the weight. Verify the scale is calibrated correctly. Repeat the process, if necessary.

Any Weight Calibration
For this calibration method you can select the weight and unit in which to calibrate the scale. For best accuracy we recommend a minimum weight of 20kg.

1. From the off setting press & hold **[ZERO]** and turn on the scale. The display will show "SET" (Do not release zero).
2. While holding **[ZERO]** press **[UNIT]** 3 times. Release **[ZERO]**when the display will shows "CAPu".
3. Press **[ZERO]** twice and when the display shows "CALu", press **[UNIT]** to enter the weight unit menu.
4. Press **[TARE]** to select the calibration unit of lb or kg. Press **[ZERO]** to confirm, the display will show "CALu".
5. Press **[ZERO]** again the display will show "CAL". Press **[UNIT]** to enter the calibration weight set menu.
6. The display will show "x0000", press **[HOLD]** to move the flashing digit to the right and **[TARE]** to increase. Press **[ZERO]** to confirm the selection. (The calibration weight should be a minimum of 20kg). The display will show "CAL".
7. Press **[TARE]** the display will show the AD value (a series of random numbers). Press **[TARE]** again when the stable indicator shows.
8. The display will flash the selected calibration weight. Place the correct calibration weight on the center of the platform and press **[TARE]** when the stable indicator shows.
9. The display will show "------" and the AD value. Calibration is complete.
10. Remove the weight. Turn the scale off and on. Verify the scale is calibrated correctly. Repeat the process, if necessary.

AUTO OFF / BACKLIGHT SETTINGS

The VHD3 allows you adjust the default settings of the scale.
Programming Auto-Off Time
1. Press and hold **[HOLD]** (do not release). Turn on the scale, release when the display shows the auto-off time setting
2. Press **[ZERO]** to toggle auto-off settings:
   i) A-120=120 seconds.
   ii) A-180=180 seconds.
   iii) A-300= 300 seconds.
   iv) A-OFF = Auto-off is disabled.
3. Press [HOLD] to enter backlight setting mode or turn the scale OFF and ON to return to normal weighing mode.

Adjusting Backlight Setting
4. The display will show settings "L-Auto, L-ON, L-OFF or L-STB".
5. Press **[ZERO]** to toggle the settings:
   i) AUTO= backlight enabled when weight is placed on platform.
   ii) ON= backlight is on constantly.
   iii) OFF= backlight is disabled.
   iv) STB= backlight turns off if scale is not in use for more than 60 seconds.
6. Turn the scale OFF and ON to return to normal weighing mode.

USB DATA TRANSMISSION

Transmission USB:

- Mode : Simplex Asynchronous Serial
- Baud rate : 9600
- Data Bit : 8
- Parity Bit : NONE
- Stop Bit : 1
- Data Format : ASCII

M=Overload Mode
W= Normal Weighing Mode
: = Weight Information

Transmission Information Format : 20 Byte , blank=20H

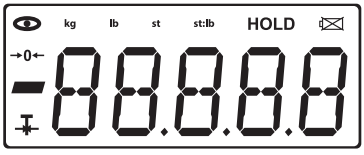
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
W/M	:	±																CR	LF

WEIGHT INFORMATION — UNIT INFORMATION

Example: 50kg

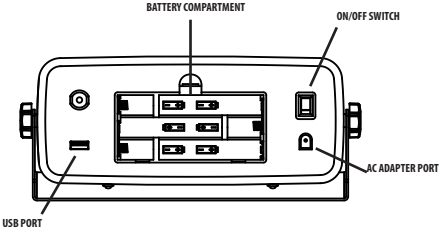
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
W	:	+							5	0	.	0	k	g				CR	LF

DISPLAY



DISPLAY SYMBOLS	
→0←	Scale is in the ZERO mode
👁	Reading is stable
⌧	Battery is low
⊤	Scale is in TARE mode

INDICATOR



SPECIFICATIONS

Capacity	300kg x 0.1kg 660 lb x 0.2 lb 47st 3lb x 0.2lb 47.25 st x 0.015 st	**Units**	kg, lb, st, st:lb
Auto-OFF		Off, 120, 180, 300 seconds	
Scale dimension		920mm x 560mm x 50mm / 36" x 22" x 2"	
Indicator dimension		220mm x 80mm x 40mm / 8.5" x 3" x 1.5"	
Scale weight		18kg	
Operating temperature		Optimum 10-40°C (50-104°f)	
Power Source		6 x AA batteries / DC9V 300mA	
Tare range		Up to scale's maximum capacity	