

# Operation Manual

## **TVS** **Washdown Portion Control Scale**

V1.06-1.22

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Below the scale there is a breathable knob. Its default setting is for weigh. If you want to wash tighten the knob, after wash release the knob for weigh



## 1. INTRODUCTION


- ✓ The TVS series weighing scales is fully washdown portion control scale.
- ✓ It is suitable for sanitary applications and general weighing.
- ✓ IP65 washdown portion control technology
- ✓ Stainless steel housing.
- ✓ Super low power consumption.
- ✓ Built in rechargeable battery.
- ✓ Large 0.98inch (25mm) LCD with white LED back light display.

## 2. KEY DESCRIPTION

Keys	Description
<b>ON/OFF</b>	Switch the power on/off
<b>ZERO</b>	Returns the display to zero. In parameter settings,to escape from the menu
<b>TARE</b>	Subtracts the tare values, change to gross to net mode Enter parameter settings.

<b>UNIT (TARE&amp; ZERO)</b>	Press <b>TARE</b> key and <b>ZERO</b> key together in the weighing mode ,the weighing units can be changed to kg/g/lb/oz/lb.oz
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### 3. DISPLAY SYMBOLS

Symbols	Description
	Battery indicator. When it's illuminated, battery should be recharge
NET	Net Weight
STABLE	Stable indicator. When it's illuminated, the scale is stable
ZERO	Zero indicator. When it's illuminated, the scale is in Zero point
kg/g/lb/oz/lb.oz	Current weighing unit

### 4. GENERAL INSTRUCTION

1. When battery goes low, the BATT symbol indicator will be show on automatically. It is the time to charge the battery with the AC power. Please charge the battery immediately, or scale cannot be used. To charge battery, just plug AC adapter or main power cord, scale turn on power is not necessary. The battery should be charged for 8 hours for full capacity.
2. There is an LED left side of the display window to indicate the status of battery charging. If the LED is green the battery has a full charge. and red indicates the battery is being charged. please keep charge battery at least 1 hour after LED turn to green to insure full charge.
3. Before starting using scale, please check if the bubble is in the middle of the level ; if not, please make appropriate adjustment.

### 5.BASIC OPERATION

#### Initial Start-up

Warm-up time of 15 minutes stabilizes the measured values after switching on.

#### 5.1 Power ON/OFF

Switch on the scale by pressing **ON/OFF**. The display is switched on and the self test is started.

If you want to switch off press the key again.

#### 5.2 Zero

Environmental conditions can lead to the balance exactly zero in spite

of the pan not taking any strain. However, you can set the display of your balance to zero any time by pressing **ZERO** key and therefore ensure that the weighing starts at zero.

### 5.3 Tare

The weight of any container can be tared by pressing **TARE** button so that with subsequent weighing the net weight of the object being weighed is always displayed.

- Load weight on the pan.
- Press **TARE** key. Zero is displayed, and tare is subtracted.
- Remove weight from the platform. Tared weight is displayed. It can set only one tare value. It can display with a minus value.
- Press **TARE** key. Zero is displayed, tare weight is cleared.

### 5.4 Back light

Press **ZERO** key three seconds, display will show "BK-AU", Press **TARE** to select back light AU/OFF/ON, then press **ZERO** key to confirm.

### 5.5 Weighing Units

Press **TARE** and **ZERO** key together in the weighing mode ,the weighing units can be changed to kg/g/oz/lb.oz

### 5.6 Auto power off setting

It can set auto power off the scale, when scale not in use, scale will turn off after the setting time.

Press **TARE** key to select the option,press **ZERO** key to confirm

<i>FS OFF</i>	<i>OFF</i>	To set auto off function turn off, for scale always on
	<i>OF 3</i>	Set to turn off three minutes later
	<i>OF 5</i>	Set to turn off five minutes later
	<i>OF 15</i>	Set to turn off 15 minutes later

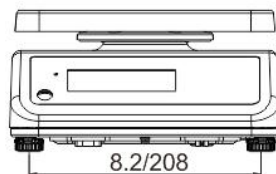
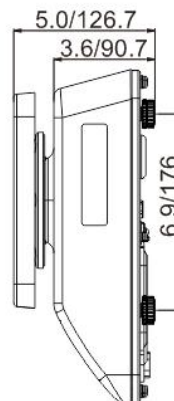
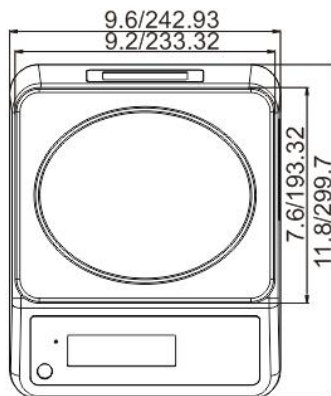
### 5.7 Enter unit parameter option

- Turn on the scale.
- Press and hold **TARE** key during that start up time.
- Display will be show *F I CAL*
- press **TARE** key to select *FB r5t*,
- Press **ZERO** key to confirm, the scale will start up.
- When the capacity is displayed, Press and hold **TARE** and **ZERO** keys together to enter the unit parameter option .

## 6.SPECIFICATION

MODEL	TVS-6	TVS-12	TVS-30	TVS-60
Capacity	6lb / 3kg / 96oz	12lb / 6kg / 192oz	30lb / 12kg /480oz	60lb / 25kg / 960oz
Readability	0.001lb/0.005kg/ 0.02oz	0.002lb/0.001kg/0.05oz	0.005lb/0.002kg / 0.1oz	0.01lb / 0.005kg / 0.2oz
Max. Divisions	6000e			
Weighing Units	kg/g/lb/oz/lb.oz			
Display	0.98inch /25mm digits LCD Display with white LED back Light			
Platter size	9 x 7.5inch / 230 x 190mm			
Housing	Stainless Steel			
Operation Temperature	14°F - 104°F / -10°C - + 40°C			
Power	AC Adaptor 12V/500mA , Rechargeable Battery 6V/3.2Ah			
Battery life	Approx.70 Hours LCD (no backlight)			
Keypad	3 mechanical keys			
Dimensions (inch/mm)	9.6 (W) x 11.8 (D) x 5.0 (H) / 242.93 (W) x 299.7 (D) x 126.7 (H)			
Gross weight	9.3lb (4.2kg)			
Approvals	NTEP: Certificate No.19-058			

## 7.DIMENSIONS (inch/mm)



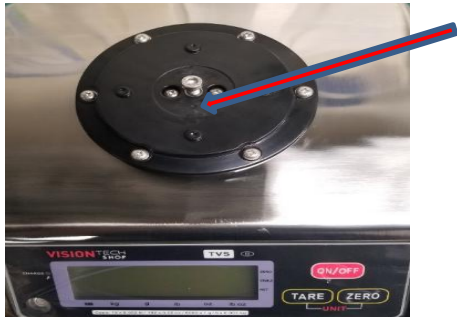
## 8.ERROR MESSAGE

Error Message	Description	Solution
<i>Err 4</i>	Zero setting error	Zero setting range exceeded due to switching on. Make sure platform empty.
<i>Err 6</i>	A/D value out of range	Make sure platform empty and check the pan is installed proper. Check the load cell connectors.
<i>Err 15</i>	Enter gravity error	Gravity rang(0.9~1.0)
<i>Err 19</i>	Initialize zero error	Calibration the scale.
<i>--oL--</i>	Over range	Remove the load. Re calibrate
<i>FR , L</i>	Calibration Error	Re calibrate
<i>bA Lo</i>	Battery low	Re charge battery, check the voltages.

## 9. ASSEMBLY WEIGHING PAN STEPS

Before use our scale, please assemble the plate for platter.

1. Unscrew HEX bolt first using a wrench which is in the box.



2. Attach the plate for platter



3. Now, add the platter and you can use it!





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