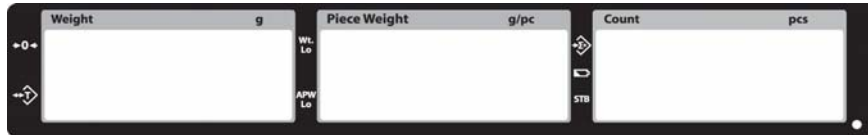


### 3 OVERVIEW OF CONTROLS AND FUNCTIONS

#### 3.1 Display Symbols



**“WEIGHT”**

- Weight Window - displays weight of object on weighing pan, or accumulated weight value



- Center of Zero Indication



- Tare or Pre-set Tare (PT) Indication

**“PIECE WEIGHT”**

- Piece Weight Window - displays the Average Piece Weight (APW) value, or number of weighments

**“Wt. Lo”**

- Low Sample Weight Indication - total sample weight is less than 10 display divisions, add more samples for more accurate reading

**“APW Lo”**

- Low Average Piece Weight Indication - calculated APW is less than 1/10 display divisions, unit weight is too small for ensuring accurate quantity calculations

**“COUNT”**

- Piece Count Window - displays the calculated number of pieces on the weighing pan, or accumulated piece count value



- Scale is in Accumulation mode



- Low battery charge, recharge battery

**“STB”**

- Stable Indication, scale is in stable condition

**o LED**

- Battery Charging Indication:
  - o Green – battery is fully charged
  - o Yellow – battery is partially charged and charging
  - o Red – battery is nearly discharged

## 3.2 Controls and Functions



**Sample**

- Inputs the indicated sample size and weight to calculate APW



**Tare**

- Inputs the weight of the object on the weighing pan as a Tare value
- Long press – enters user setup mode



**APW**

- Inputs the indicated unit weight value entered via the numeric keypad



**Zero**

- Zeros the display
- Long press – initiates calibration



**PT**

- Inputs the indicated value entered via the numeric keypad as a Pre-set Tare value



**M+**

- Adds the indicated weight or piece count value into Accumulation memory
- Long press - recalls and displays the total Accumulation data: weight, count and number of weighments



**C**

- Clears the indicated input values

**0-9-.**

- 11 x Numeric keys, 0-9 and decimal point



## 4 OPERATIONS

### 4.1 Switching the Unit On and Off

The power switch is located underneath the right-hand side of the scale. Push the switch to the "I" position to turn the scale on, and to the "O" position to turn the scale off. Allow 15-30 minutes for the scale to warm up before use.

**NOTE:** Make sure the weighing pan is empty before turning the scale on.

### 4.2 Manual Tare

Tare is indicated by the  $\leftrightarrow$ T annunciator.

Place the container on the weighing pan (ex. 100g), then press **TARE**. "TARE" will be displayed momentarily before the weight is tared.

Weight g	Piece Weight g/pc	Count pcs
100.0	0.	0.
-----	TARE	-----
0.0	0.0	0.

### 4.3 Pre-set Tare

Pre-set Tare is a known tare value entered via the numeric keypad

Pre-set Tare is indicated by the  $\leftrightarrow$ T annunciator.

With an empty pan:  
Press **PT**, "PrEtA" will flash on the display. Enter a numeric value (ex. 200g), then press **PT**. The Pre-set Tare will be displayed as a negative value (no weight on the pan).

Weight g	Piece Weight g/pc	Count pcs
0.0	PrEtA	-----
200.0	PrEtA	-----
-200.0	0.	-----

With an existing weight on the pan (ex. 250g):  
Press **PT**, "PrEtA" will flash on the display. Enter a numeric value (ex. 200g), then press **PT**. The Net weight will be displayed. When the weight is removed from the pan, the negative weight displayed is the Pre-set Tare value.

Weight g	Piece Weight g/pc	Count pcs
250.0	0.	0.
0.0	PrEtA	-----
200.0	PrEtA	-----
50.0	0.	0.
-200.0	0.	-----

**NOTE:** To clear the Tare or Pre-set Tare value, press **TARE** with the pan empty.



## 4.4 Zero Operation

Center of Zero is indicated by the **→0←** annunciator.

Press **ZERO** to zero the weight display.

"CEnt" will be displayed momentarily before the display is zeroed.

Weight g	Piece Weight g/pc	Count pcs
-----	CEnt	-----
0.0	0.	0.

## 4.5 Sampling, Calculating Average Piece Weight (APW)

Place the desired sample onto the weighing pan (or into a tared container) (ex. 3000g).

Press **SAMPLE**. "SAmP" will be displayed momentarily before the calculated APW is confirmed (based on the last sample size entered or ex-factory default 10 if used for the first time).

Or, enter a new sample size (ex. 50) via the numeric keypad before pressing **SAMPLE**.

Weight g	Piece Weight g/pc	Count pcs
3000.0	0.	0.
3000.0	SAmP	-----
3000.0	300.000	10.

3000.0	50.	60.
3000.0	SAmP	-----
3000.0	60.0000	50.

### NOTES:

- The larger the sample size, the more accurate the APW.
- The sample size entered is retained even after the unit is turned off.
- Unless stored into memory (refer to *Sec.4.7*), Piece Weight values are not retained when the unit is turned off.

## 4.6 Entering a Known Piece Weight

Enter the value of a known piece weight via the numeric keypad (ex. 40g/pc.), then press **APW** (with a weight on the pan, the piece count is automatically calculated and displayed).

Weight g	Piece Weight g/pc	Count pcs
0.0	40.	0

0.0	40.	0.
-----	-----	----

### NOTES:

- To clear the Piece Weight value, press **C**.
- "Wt. Lo" annunciator will turn on if the total sample weight is less than 10 display divisions. Add more samples for a more accurate or stable reading.
- "APW Lo" annunciator will turn on if the APW value is less than 1/10th display divisions. Increase the piece weight value for more accurate results.
- Initiate entry of decimal values with a "0". For example. 0.5g is entered as "0" "." "5".



### 4.7 Storing Piece Weight into Memory

There are 10 memory locations (0 to 9 numeric keys) available to store APW values.

After determining the piece weight (refer to *Sec. 4.5 or 4.6*), long-press **APW** for approx. 2 seconds. "StorE" will flash on the display.

Press any one of the numeric keys to store the piece weight data in this selected location.

Weight g	Piece Weight g/pc	Count pcs
0.0	40.	0.
0.0	StorE	0.
0.0	40.0	0.

**NOTE:** Stored APW values are retained when the unit is turned off.

### 4.8 Recalling Piece Weight from Memory

Press the numeric key (ex. location 5) with the stored piece weight data (ex. 40 g/pc), then press **APW** two times. The stored data will be uploaded and displayed.

Weight g	Piece Weight g/pc	Count pcs
0.0	0.	0.
0.0	5.	0
Memory Location		
0.0	40.000	0.

### 4.9 Accumulation: Weight and Quantity

Accumulation is indicated by the annunciator.

Place the item to be weighed/counted on the pan (ex. 300g with APW of 60g). Press **M+**. "Add", then the accumulation event is displayed momentarily before reverting to normal weighing mode.

**NOTE:** Weight display must return to zero before the next accumulation can register.

Weight g	Piece Weight g/pc	Count pcs
300.0	60.0000	5.
-----	Add	-----
300.0	±0 1±	5.
Total Accumulated Weight	Total Accumulation Times	Total Accumulated Count
300.0	60.000	5.

To recall Total Accumulation data, press **M+** with no weight on the pan. The data is displayed momentarily before reverting to normal weighing mode.

Weight g	Piece Weight g/pc	Count pcs
1500.0	±05±	25.
Total Accumulated Weight	Total Accumulation Times	Total Accumulated Count
1500.0	60.000	25.

To clear the Total Accumulation data, press **C** while the data is displayed.

**NOTE:** Accumulation data is not retained when the unit is turned off.