

SMT-218

Table Top Scale

User Manual



Scalesco Measurement Technology Inc.

1200 Indus Street Suite A, Fairmont MN 56031 USA

Toll Free: 1-866-587-9773 Fax: 1-507-238-5447 E-Mail: sales@scales-co.com

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UNPACKING AND INSTALLING THE SCALE

Unpacking the scale

Check packaging for any obvious evidence of damage. Inspect the unit for shipping damage. Immediately report shipping damage to Scalesco at 1-866-587-9773.

Remove contents from packaging, your product should include:

1. AC Power supply
2. Stainless Steel weight platter
3. Dustproof Wipe-down keyboard Cover

If you are missing an item please contact Scales-co for immediate replacement at no charge , shipped via UPS ground.

Installing the scale

1. Mount the scale on a stable, level surface that is free from air currents, rapid temperature changes and vibration. This may effect the weighing accuracy or the stability of the displayed weight.
2. Carefully install, do not force, the weight platter on top of the mounting posts. Make sure the weight platter does not touch any adjacent surfaces, make sure the power cords, remote display cables are not touching the live weighing surface.
3. Be sure all feet are in contact with the counter, use the leveling feet and level bubble, if applicable to your model, to make a firm contact.
4. Connect the AC adapter's power plug to the scale, then plug the AC adapter into a appropriate outlet, properly grounded.
5. Turn the unit on for **15 minutes**, to allow the electronics and load cell to warm up to room temperature.
6. Place a known weight on the scale to test the weighing accuracy. Your scale should display within the weighing tolerance shown within the Weighing Tolerances section of this manual.

Trouble Shooting Tip!

"If your scale is not weighing accurately upon installation, go to the calibration instructions found in this manual to perform a new calibration. Your scale may have become out of tolerance due to a large change in the altitude from initial factory calibration or a mechanical shift during the shipment of the product."

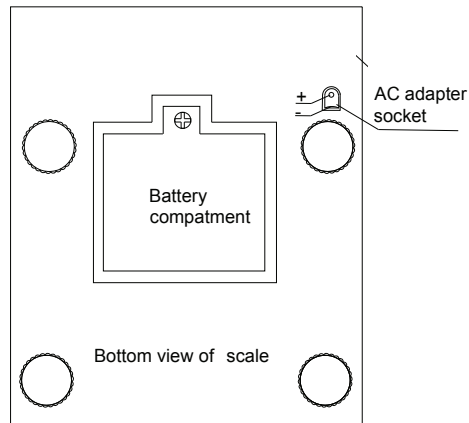
Battery Installation

Your model of bench scale operates on four (4) "AA" Batteries. The expected life of the batteries is 80 hours of use.

Remove the battery cover on the bottom of the scale, remove the battery compartment screw, slide the battery cover off. insert the batteries into the appropriate location, making sure you align the batteries into the correct positive (+) and negative (-) orientation.

Check to make sure the battery switch located on the back of the battery compartment is turned ON

It is recommended to remove the batteries or turn the battery switch to the off position, if using AC power or storing the unit for future use.



Technical Specification

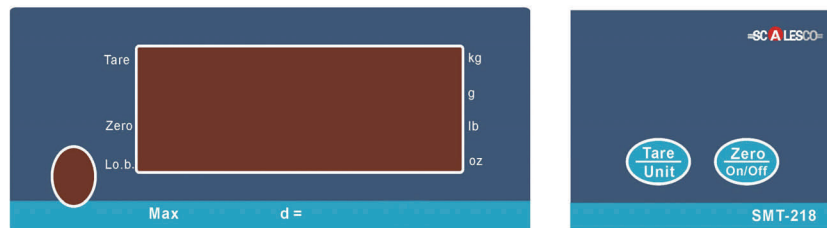
Model # (Part #)	SMT-218 (2018-006)	SMT-218 (218-012)	SMT-218 (218-030)
Capacity and Resolution	6 x 0.001 lb 96 x 0.1 ounce 3 x 0.0005 kg 3,000 x 0.5 gram	12 x 0.002 lb 192 x 0.1 ounce 6 x 0.001 kg 6,000 x 1 gram	30 x 0.005 lb 480 x 0.1 ounce 15 x 0.002 kg 15,000 x 2 gram
Accuracy	+/- 2 divisions (division = resolution)		
Operating Temp	5° - 35° C / 41° - 95° F		
Tare Range	Up to 100% of max. capacity, subtractive (subtract tare weight from max capacity = new max capacity)		
Stabilization	Up-to 5 seconds to stable weight reading		

Features and Operator Keypad

The Model SMT-218 Table Top Bench Scale is an affordable solution for many applications. Perfect for use in the office or warehouse for weighing packages, letters or in a kitchen for weighing food items.

It provides an big LCD display for great visibility when used indoors and outdoors. Design for use within stable environments where fluctuation of temperature, humidity and vibration are limited.

Features include a units switching function allowing you to weight items in LB, KG, OZ, or Grams providing a versatile use for weighing letter, food items or small packages. The dust cover and stainless steel shroud allow you to wipe down with mild detergent the 218 scale when weighing food items.



- TARE/Unit**
- 1) Quick press for less than 2 seconds to performs **Tare** Function. An icon next tare on the display will light. Tare removes the weight of a container from the display and returns the scale to zero weight. Once you remove your tare container, press again for seconds to return the scale to normal weighing,
 - 2) Press and Hold for 3 seconds to activate the **Unit** switching feature. Continuously press to the units of measure (kg, g, lb, oz) your require. An icon next to the kg, g, lb, oz will light.
- Zero/ On Off**
- 1) With the scale turned off and no weight on the scale, quickly press to power **On** scale. Zero point is = 10% of capacity.
 - 2) To turn **Off**, press and hold for more than 3 seconds.
 - 3) To **Zero** the scale, press and hold for less than 2 seconds to return the scale to zero weight. Zero point is = 2% of capacity.
- Lo. B** Indicates the batteries are low, unit with power off in 1 minute.

Operating Instructions

Standard Weighing

1. Turn on the scale, using the “On/Off” button. The scale perform a test sequence. If everything is OK, the display will show zero weight and the scale is ready for use.
2. Press the **ZERO** key if display is not showing “00.00” weight.
3. Place your item on the weight platter, it may take up to 5 seconds for the weight to stabilize.

Changing Units of Measure

1. Press and hold the **UNITS** key for more than 3 seconds to activate the units of measure feature. Continuously press the **UNITS key** change the units of measure from kg to, grams, lb, ounce.

The scale will retain the units of measure selected for all your weighing, until you re-activate the units feature, even after power off.

Note: If using the units of measure “LB”, placing weight over 6.554 lbs (6lb scale), 12.554 lbs (12lb scale), and 30.554 lbs (30lb scale), may show an invalid weight “00.60”, disregard the weight reading.

Using a tare container

1. If your are using a container to weigh objects and want to see the net weight, place the container on the scale, quick press the **TARE** key for less than 2 seconds. The display should show “0.000” weight, and an icon will light next to tare in the display window, indicating the tare feature is active. Place your items in the container, to determine the net weight.

*Note: Upon completion of your tare weighing, after removing your container the display will show a negative weight. Quick press the **TARE** for less than 2 seconds to return the scale to zero gross weight.*

Auto Power-Off

To conserve battery life and electricity, the SMT 218 scale will automatically power off after 5 minutes of no use or no change in weight. Simply press the **ON** key to turn the scale back on.

Weighing Tolerances & Calibration

Model # (Part #)	SMT-218 (218-006)	SMT-218 (218-012)	SMT-218 (218-030)
Max Capacity	6 lb / 3 kg	12 lb / 6 kg	30 lb / 15 kg
Resolution	0.001 lb / 0.0005 kg	0.002 lb / 0.001 kg	0.005 lb / 0.002 kg
Weighing Tolerance	0.002 lb / 0.001 kg	0.004 lb / 0.002 kg	0.01 lb / 0.004 kg
Calibration Weight	6 lb / 3 kg	12 lb / 6 kg	30 lb / 15 kg

From time to time, all scales may require calibration to provide an accurate weighing. When calibrating your scale, you are teaching the scale a zero weight reading, and a known accurate weight(s).

The SMT-218 Allows you to calibrate the scale using LB or KG weights

Calibration

WARNING!

Calibrating your scale with inaccurate or the incorrect weights as defined in the Weighing Tolerances and Calibration Section will cause your scale to weigh incorrectly.

Calibrating your scale using LB weights

1. Make sure the scale is off and there is no weight on the scale.
2. Press and hold the **TARE** key, then press the **Zero** key until the display shows "XX.000kg" and release both keys.

Note: "XX" will display 3 for 6 lb scale, 6 for 12 lb scale, and 15 for 30 lb scale.

Calibration

3. Press the **Tare** key to change the scale to calibrate using a LB weight.
4. The scale will display 6lb, 15 lb or 30 lb, depending on the capacity of your scale
5. Press the **Zero** key to accept and the scale will enter into calibration mode.
6. The scale will display XXXX (4000 - 6000). Press the **Zero** key to perform a zero calibration.
7. Wait for the scale to display 0000. The scale will then display XXXX, indicating the scale ready for your to apply your calibration weight.
8. Place your 6, 15 or 30 pound calibration weight on the scale, press the **Zero** key to begin span calibration. Upon successful calibration, the scale display a 00.00 indicating , then OFF.
9. The scale will automatically shutdown. Remove weight before turning on your scale

Calibrating your scale using KG weights

1. Make sure the scale is off and there is no weight on the scale.
2. Press and hold the **TARE** key, then press the **Zero** key until the display shows "XX.000kg" and release both keys.

Note: "XX" will display 3 for 3 kg scale, 6 for 6 kg scale, and 15 for 15 kg scale.
3. Press the **Zero** key to accept and the scale will enter into calibration mode.
4. The scale will display XXXX (4000 - 6000). Press the **Zero** key to perform a zero calibration.
6. Wait for the scale to display 0000. The scale will then display XXXX, indicating the scale ready for your to apply your calibration weight.
7. Place your 3, 6 or 15 kg calibration weight on the scale, press the **TARE** key to begin span calibration. Upon successful calibration, the scale display a number indicating the calibration weight, then OFF.
8. . The scale will automatically shutdown. Remove weight before turning on your scale

Note: If **CAL.Er** appears, this indicates an error in calibration. Repeat steps 1-9. If **CAL.Er** continues to appear you may have a damaged load cell or electronics.

Care and Maintenance

Cleaning—Use a damp cloth with mild detergent to clean your scale.

Handle with Care—Precision scales include sensitive load cells. Dropping the unit or placing weights on the scale that are heavier than the rated capacity of your scale may cause damage to the load cell.

Service Information

If you experience any difficulty, the Scalesco team is available to help you between the hours of 8:00 AM and 5:00 PM CST, M-F, toll free 1-866-587-9773 or 507-238-9773. For after hours support, e-mail us at sales@scales-co.com.

Trouble Shooting and Error Codes

Symptom	Possible Cause	Remedy
Cannot turn on	<ul style="list-style-type: none"> ● No power to scale ● Incorrectly installed battery ● Battery switch in off position 	<ul style="list-style-type: none"> ● Verify AC adapter connections and voltage ● Replace batteries, check polarity ● Turn battery switch to on position
Poor weighing accuracy	<ul style="list-style-type: none"> ● Improper calibration ● Unstable environment ● Scale was not zeroed prior to use ● Tare function is activate ● ● Displaying incorrect weight 	<ul style="list-style-type: none"> ● Perform calibration ● Move scale to stable location ● Press the ZERO key to zero the scale prior to use ● Press Tare key to remove tare weight held in memory ● Ensure correct unit of measure is active
CAL. Er	<ul style="list-style-type: none"> ● Unstable environment ● Incorrect calibration weight used 	<ul style="list-style-type: none"> ● Move scale to suitable location ● Use correct calibration weight
Err2	<ul style="list-style-type: none"> ● Overload Zero Error 	<ul style="list-style-type: none"> ● Excess weight applied to scale upon zero or power on, remove weight ● Perform Calibration
Err1	<ul style="list-style-type: none"> ● Underload Zero Error 	<ul style="list-style-type: none"> ● Verify weight platter is installed correctly, power off then on ● Perform Calibration ● Contact factory, zero potentiome-
-----	<ul style="list-style-type: none"> ● Overload Condition 	<ul style="list-style-type: none"> ● Excess weight applied to scale, remove weight

Limited Warranty Policy

Scalesco Measurement Technology Inc (hereafter referred to as "SMTI") products are warranted against defects in material and workmanship for a period of one (1) year from the date of shipment.

During the warranty period SMTI will repair, or at its option, replace at no charge any component(s) determined defective by a authorized SMTI representative, provided the equipment is returned freight prepaid, to Scalesco Measurement Technology Inc.

The warranty will not apply to products that:

1. Have had repairs or modifications not authorized by SMTI.
2. Have been subject to damage by accident, misuse, careless handling, inappropriate installation, fire, water submersion or act of God.
3. Have been exposed to corrosive material
4. Have foreign material penetrating or within the product.
5. Have been determined to weigh accurately after calibrating according instructions within the user manual.

SMTI's liability is confined to the factory repair, product or parts replacement, and does not extend coverage to labor, material or service charges involved in removal of the equipment to return to the factory or from on-site repair.

SMTI is not responsible for any direct expenses or consequential damage due to errors in weighing or failure of a Scalesco brand product to perform properly.

SMTI reserves the right to incorporate changes in material, operation and design of the products without notice and is not obliged to incorporate the same changes in equipment previously or currently manufactured.

This warranty is limited exclusively to defective Scalesco brand products. The SMTI warranty is limited to initial the installing customer and is not intended to insure the benefit of a secondary owner in the event of resale after use. This warranty is in lieu of all other warranties, expressed or implied.

Return Policy

See our website for the up-to-date return policy at <http://www.scales-co.com>.

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