

User's Manual



High Capacity Bench-top Counting Scale

Model 160276



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Tech Support Hotlines

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Introduction

Congratulations on your purchase of Extech's 160276 High Capacity Bench-top Counting Scale. This scale accurately weighs components and parts up to 66lbs / 30kgs. Sample Counting and Tare functions are standard. The Scale is battery operated and the internal battery is rechargeable using the supplied 117AC adapter/recharger. Proper use and care of this device will yield years of reliable service.

Specifications

Display	LCD Display with 0.8" character height
LCD status arrows	Display for low battery, zero, net weight, pieces, lbs and kg
Max. Weight	66 lbs/33kg
Resolution	0.01 lbs/5g
Accuracy	±0.02%
Power supply	Internal rechargeable battery
Range selection	Automatic ranging
Auto Power OFF	Programmable for 5, 10, 20, or 30 minutes (can be deactivated)
Operating temp.	32 to 122°F (0 to 50°C)
Platform Size	16 x 12" (41 x 31 cm)

Scale Description

1. Scale platform
2. Adjustable scale legs
3. Programming keypad
4. LCD display
5. Display locking nut
6. Display arm
7. Allen screws for display arm adjustment
8. AC adapter/recharger input (rear of display)



Preparation

1. Place the scale on a firm, stable tabletop before use. Level the scale by adjusting the scale legs.
2. Do not expose the scale to high wind, fluctuating temperature/humidity, vibration, or direct sunlight. Avoid dust, sand, and other particulates when using the scale.
3. Adjust the display arm by loosening the two allen screws (using supplied allen wrench) and then positioning the arm to be at a 90° angle from the scale platform. Tighten screws.
4. The scale is powered by an internal rechargeable battery. The supplied AC adapter is used for recharging. When the LOBATT display arrow appears connect the AC adapter/recharger to the scale then plug the adapter into a 110V 50/60Hz receptacle to begin charging the battery. When the LoBatt indicator arrow turns off, the battery is fully charged. The scale can be used while charging.
5. To optimize the accuracy of the scale's readings, warm up the scale for 30 minutes. Do not leave weight on the scale while it is warming up. Connect the AC Adapter to the Scale and to an AC receptacle (110VAC 50/60Hz) to warm up the scale since the Auto Power OFF feature will automatically power the scale down after 5, 10, 20, or 30 minutes of non-use (programmable). Auto Power OFF can be defeated, refer to the section entitled "Auto Power OFF Configuration" later in this manual for instructions on configuring the Auto Power OFF feature.

Operating Instructions

Explanation of LCD Displays

GROSS WEIGHT

Total weight on the scale platform displayed in lbs. or kgs.

NET WEIGHT

Net weight is displayed when the Tare function is used

QUANTITY

LCD indicates the number of pieces on the Scale platform.

Explanation of LCD Down-Arrow indicators

-0-

Appears when the Scale is zeroed.

NET

Appears when the weight display is NET (used with TARE function only).

PCS

Appears when the display indicates the number of pieces on the platform.

LB and KG

Appear above lb or kg depending upon which unit of measure is selected.

LOBATT

Appears when the internal battery requires recharging.

Explanation of Programming Keys

ON/TARE

Press to power the Scale from a power OFF state. If the Scale is already powered, pressing the TARE key enters the gross weight on the Scale as the TARE weight

OFF

Press to power the Scale down.

UNITS

Toggle lb and kg weighing units by pressing this key.

FUNC

Press to toggle between Total Pieces display and Total Weight display.

SMPL

Used for piece counting. After 10, 20, 50, or 100 samples are placed on platform, press this key to allow the display to automatically cycle through the following numbers: 10, 20, 50, and 100. Press the SMPL key firmly when the number on the display matches the number of sample pieces on the platform. Now when any number of pieces are placed on the platform, the Scale will display an accurate count and an accurate weight (use the FUNC key to toggle between weight and count).

Tare Operation

Tare allows you to weigh samples with the samples still in a container. The container weight becomes the “tare” weight and is subtracted from each reading so that only the product sample weight is displayed.

1. Place the container on the platform.
2. Press the TARE key and the display will read zero.
3. Remove the container from the platform. The display will indicate a negative reading. The reading will be negative in the amount of the TARE weight.
4. When objects are weighed, the reading will be the total weight minus the TARE value. The NET down-arrow indicator will appear informing the user that a Tare weight is in memory.
5. To remove the previous Tare value from memory, remove all weight from the Scale platform and press the TARE key so that the NET indicator turns off and the display returns to zero.

Sample Piece Counting

The scale allows the user to place a known number of samples on the platform and have the scale display Piece Count or Total Piece Weight

1. Place 10, 20, 50, or 100 sample pieces on the Scale platform. The total weight will display in lbs or kg as selected using the UNITS key.
2. Press the SMPL key to permit the Scale to begin scrolling the numbers 10, 20, 50, and 100 on the display. Set the number of sample pieces by pressing the SMPL key firmly when the number of samples matches the display.
3. Now when any number of pieces of the same weight are placed on the platform, the LCD will display accurate Piece Count.

Auto Power OFF Configuration

The Scale is equipped with an Auto Power OFF feature that powers the meter down after a specified period of time. To defeat or otherwise configure this feature, follow these steps.

1. With the meter power off, press and hold any key while powering the unit.
2. Release the key once the Scale powers up.
3. Press the FUNC key. The display will show PO = 0, 1, 2, 3, or 4 depending upon present setup.
4. Press the FUNC key until the desire value scrolls up on the LCD
5. Use the Table below to select the desired action.
6. Press the SMPL key to store the entry into non-volatile memory.

Program Step	Action
PO = 0	Auto Power OFF is defeated
PO = 1	Auto Power OFF after 5 mins
PO = 2	Auto Power OFF after 10 mins
PO = 3	Auto Power OFF after 20 mins.
PO = 4	Auto Power OFF after 30 mins.

Maintenance

Battery Recharging

When the low battery down-arrow indicator appears above the word LoBatt, connect the AC Adapter/Recharger to the Scale (behind the LCD display). Then plug into a 117VAC 50/60Hz outlet to begin charging. When the battery is fully charged, the down-arrow indicator above the word LOBATT disappears.

