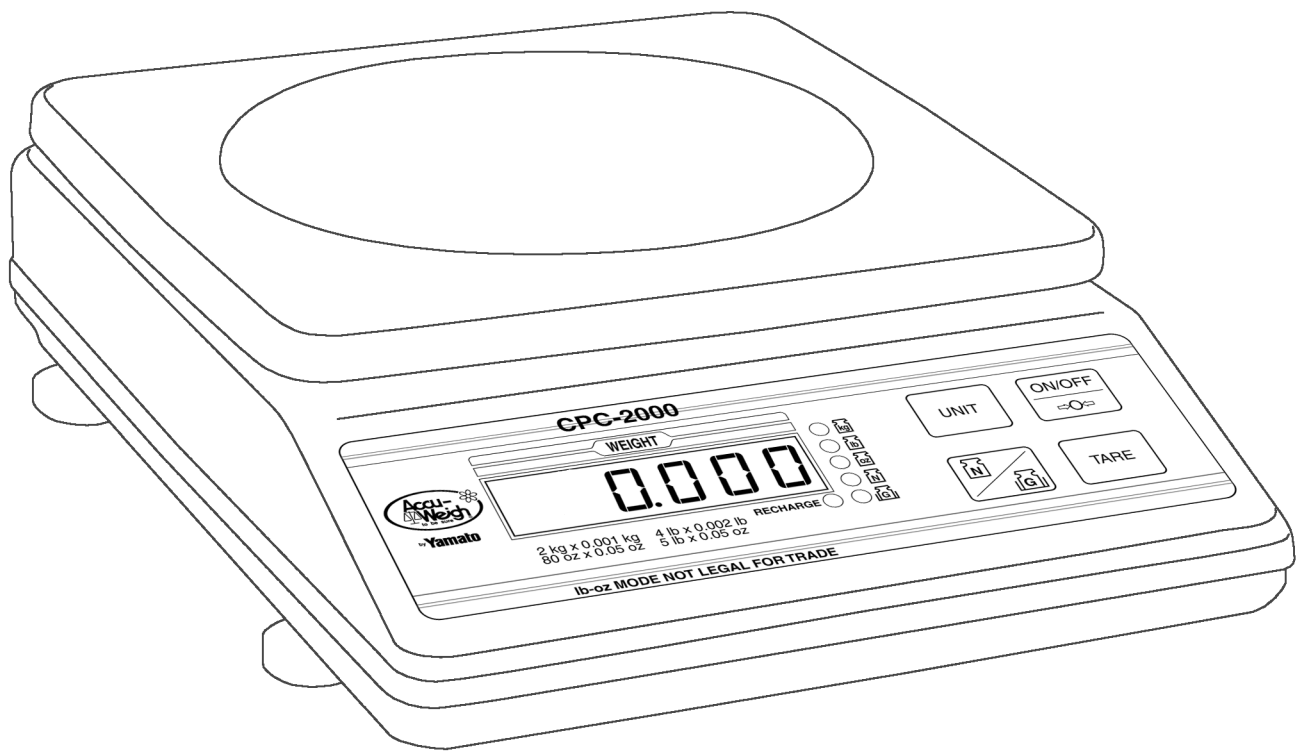


CPC-2000

Operation Manual



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SAFETY INSTRUCTIONS

Before using the scale, carefully read, understand, and follow the "Safety Instructions" described in this manual. Observe the advice given in the "Operations" section to ensure proper operation. Keep this operation manual handy for reference.

- 1) This scale is **not** an explosion-proof model. Do not use the scale in an atmosphere containing flammable gases or explosive fumes. A fire or an explosion can result.
- 2) Do not operate the scale if there is smoke or a burnt smell coming from the scale. Remove the batteries or unplug the AC adaptor immediately. After making sure that there is no danger, consult your dealer. **Never try to repair the scale by yourself.**
- 3) Never step on or sit on the scale. Not only will the scale be damaged, but you may also be injured.
- 4) Place the item to be weighed in the center of the platform. Items placed on the edge of the platform may fall off and cause injury.
- 5) When weighing a heavy, large or unbalanced item, make sure the item is stable on the platform, otherwise, an accident may occur.
- 6) When carrying or moving the scale, be sure to hold it by the bottom of the base with both hands. If you hold it by the platform, the platform may become detached causing the scale to fall. This will damage the scale. The platform is designed for easy removal and clean-up.
- 7) Do not insert your finger into the gap or holes in the scale. You may be injured.

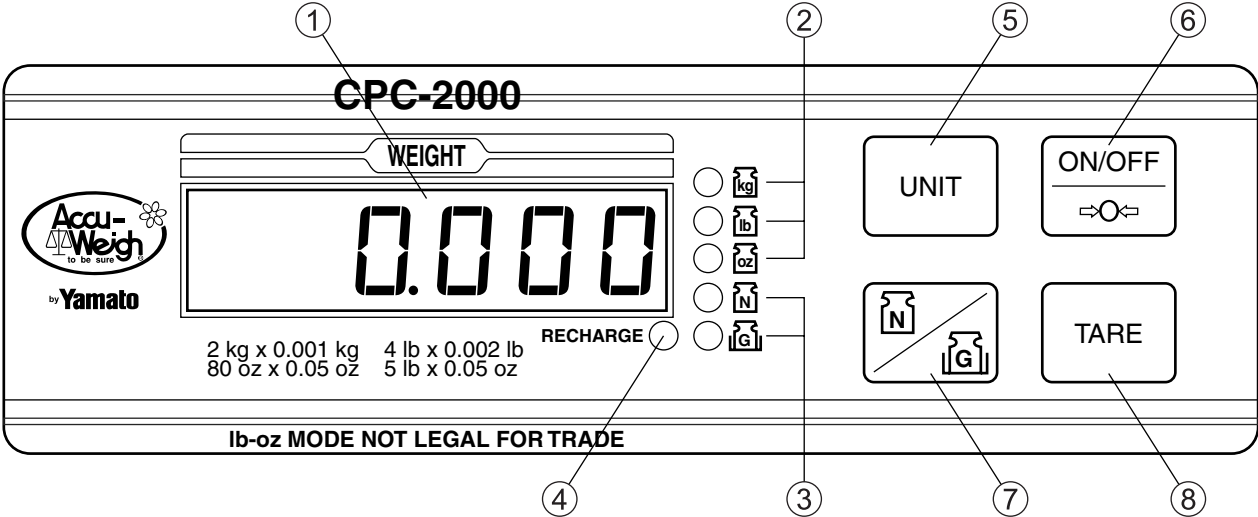
To prevent damage to the scale

- 1) Do not push the indicator or keys with sharp objects. They may break or puncture the switch membrane panel.
- 2) Use the specified power supply and choose a suitable environment. If you do not, the weight readings may be inaccurate and the scale may be damaged.
- 3) The scale is a sensitive weighing instrument, avoid physical shocks. If you drop something on the scale, step on the platform, or drop it, the scale may be damaged and lose accuracy.
- 4) If the scale becomes dirty, wipe it with a soft cloth. For stubborn stains, apply a little neutral detergent and then wipe the scale with a dry cloth. Do not use thinner, benzene, hot water, or chemical agents on non-metallic parts, all of which can cause deformation, discoloration, or deterioration.
- 5) Never remove the case. The fine adjustment section may be damaged and you may be injured by sharp edges on the internal parts.
- 6) Do not place the scale upside down.
- 7) When the low battery indicator appears, recharge the battery. The battery should only be replaced by a qualified scale technician. If the scale will not be used for a long period, have the battery removed.

To keep the scale working efficiently

- 1) Place the scale on a flat stable surface that will support the scale and the load.
- 2) Do not place the scale in an area exposed to direct sunlight or to wind currents from an air conditioner, otherwise, the weights will not be accurate.
- 3) Do not place the scale near machines that create vibrations or electromagnetic disturbance, such as microwave ovens, portable phones, or large motors. This will affect the accuracy.
- 4) The operating temperature range is from -10°C to +40°C (14°F to 104°F). Do not subject the scale to sudden temperature changes; allow the scale to adjust to the new temperature before use.
- 5) This scale is not waterproof or dustproof. Do not expose the scale to splashing water. Do not install the scale in an extremely humid or dusty environment.
- 6) If the scale is sealed, do not break the seal. If you break the seal, the scale will not be considered legal for trade. In this case, contact your dealer.
- 7) Do not disassemble or modify the scale, you will void the warranty. Modified scales will not be legal for trade.

I Name and Function of Parts



- | | |
|-----------------------|--|
| 1) LED Display | Displays measured weight and status information. |
| 2) Kg, lb and oz LEDs | LED annunciators light to indicate unit of measure selected. Lb and oz LEDs light simultaneously to indicate lb-oz mode. |
| 3) Net and Gross LEDs | LED annunciators light to indicate net or gross weight displayed. |
| 4) Recharge LED | LED annunciator lights to indicate battery recharging (red) or charged (green). |
| 5) Unit key | Selects units of measurement (kg, lb-oz, lb or oz). |
| 6) On/Off/Zero key | Press to turn scale on. Press to zero display. Press and hold for five seconds to turn scale off. |
| 7) Net/Gross key | Toggles between net and gross weight display. |
| 8) Tare key | Tares off the weight on the scale platform. |

II Specifications

Weighing system:	Strain-gauge load cell
Platform:	8.5" x 8.5" (215 x 215 mm), stainless steel
Dimensions:	12" (D) x 8-3/4" (W) x 3" (H) (303 x 220 x 78 mm)
Weight display:	Single face display
Type:	7 segment LED
Characters:	0.6" (H) x 0.3" (W) (14 x 7 mm), 5-1/2 digits
Power supply:	Rechargeable 6V, 4 Ah battery or 12 VDC, 500 mA AC adaptor
Battery life:	36 hours of continuous use, 8 to 14 hours to fully recharge
Operating temperature:	14°F to 104°F (-10°C to 40°C)
Operating humidity:	25% to 95% RH

III Setup

Installing the AC adaptor

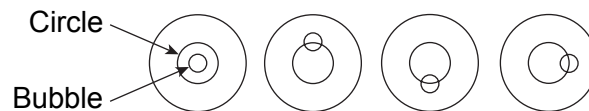
Use only the AC adaptor specified for use with the scale. Using the wrong adaptor can damage the scale. Insert the adaptor plug securely into the jack on the back of the scale.

Charging the Battery

Allow the battery to charge for at 8 to 14 hours. The battery is fully charged when the recharge LED turns from red to green. The scale will operate for approximately 36 hours of continuous use on a fully charged battery.


Leveling the Scale

Place the scale on a flat and level surface. There is a bubble level indicator to the rear of the top of the scale beneath the platform. The bubble should be in the center of the circle. Adjust the trim by turning the feet in or out to lower or raise the corner of the scale the foot is on. If the scale is not level, the readings may not be accurate.

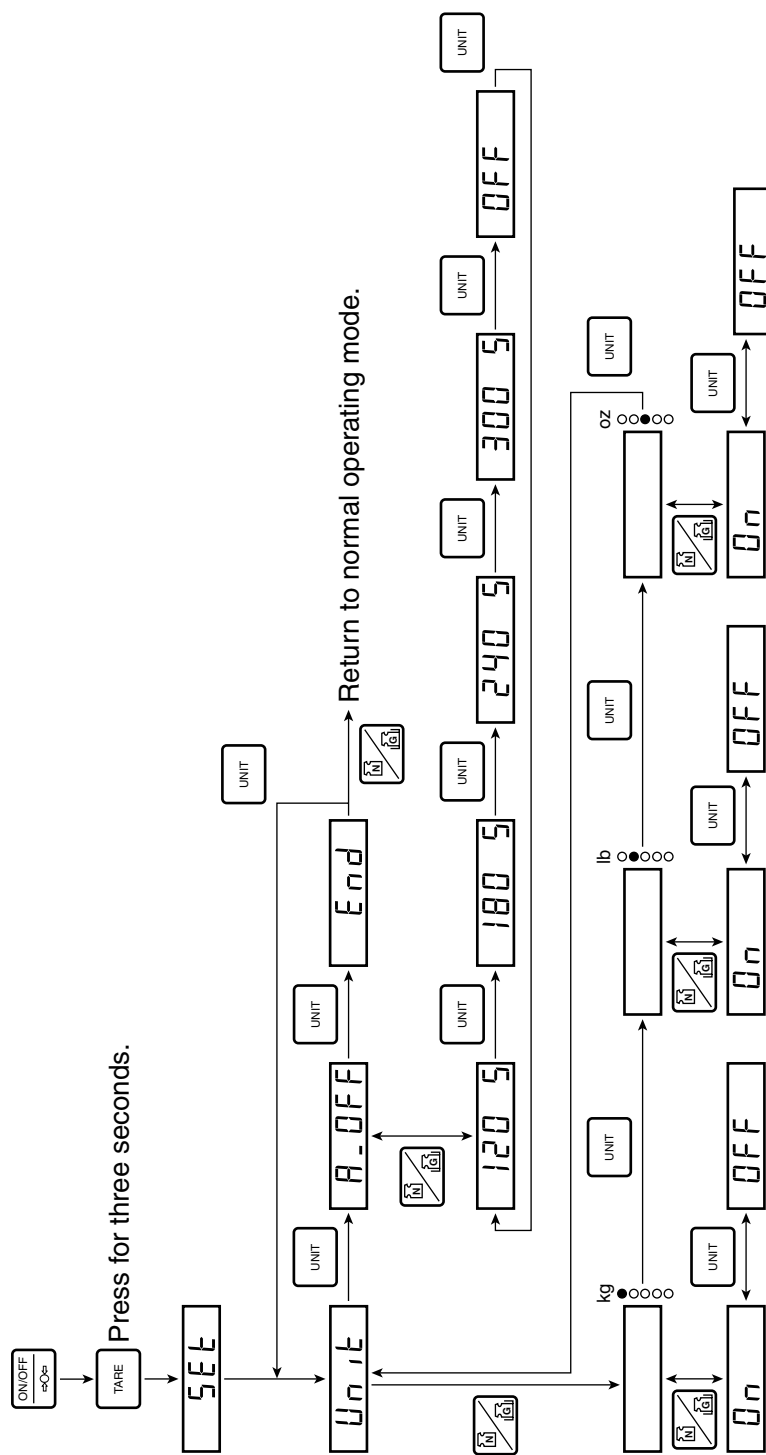


Setting the User Functions

The scale keywords can be set in the user setup mode to change the duration of the auto-off function, to disable the auto-off function and to set which units (kg, lb or oz) are toggled when the UNIT key is pressed. The combined lb-oz mode is not legal for trade and can only be enabled and disabled in the technician setup mode, detailed in the technical manual.


To enter the user setup mode, press the TARE key for about three seconds. The display will briefly show "SET" followed by "UNIT". Use the  key as an ENTER or RETURN key, and use the UNIT key as a SELECT or TOGGLE key. Refer to the setup chart on the following page. Any unit that is selected "ON" will be displayed, in sequence, when the UNIT key is pressed. The auto-off setting selects the duration, in seconds, after which the scale will automatically turn itself off if it is not being used. If "OFF" is selected, the auto-off function will be disabled.



III Setup



IV Directions for Use

Turning the Scale On and Off

Remove everything from the platform surface, and press the  key. The display will briefly display five eights. After approximately three seconds, the display will automatically set to zero.


Press the  key for about three seconds. The display will go off. The scale can be programmed to automatically shut off after 2, 3, 4, or 5 minutes of non-use, even if the  key is not pressed. Please see section III, "Setting the User Functions" to change this feature.

Low Battery Condition


The low battery indicator will appear when the battery pack needs to be recharged. Insert the AC adaptor into the jack on the back of the scale. The scale may be operated while it is recharging.



Zero the Display

The scale will automatically zero when turned on. If a value is displayed when the platform is empty, push the  key to zero the display. The maximum zero range during power up is approximately 10% of the calibrated zero value, and during operation is approximately 20 divisions.

Changing Units of Measurement






To cycle through lb-oz, lb, oz and kg, press the  key. The scale will only display the units that have been enabled in the user or technician set-up mode. Upon startup, the scale will default to the units that were selected when the scale was last turned off.

IV Directions for Use





Gross Weighing

- 1) Begin with no load on the scale, the display reading zero, and the gross weight indicator lit.
- 2) Place the item(s) to weighed on the scale platform. The weight displayed will be the gross weight.

Net Weighing

- 1) Begin with no load on the scale, the display reading zero, and the gross weight indicator lit.
- 2) Place an empty container on the scale platform, wait for a stable weight indication, and press the  key. The weight of the container will be deducted automatically, the display will read zero, and the net indicator will light.
- 3) Place the item(s) to be weighed in the container. The weight displayed will be the net weight.
- 4) To display the gross weight, press the  key. The gross indicator will light and the weight displayed will be the gross weight of the item(s) and the container. Press the  key again to return to the net weight.
- 5) To return to gross zero, remove all items from the scale platform and press the  key.
- 6) To return to gross weighing mode, remove all items from the scale platform and press the  key.


Batching


- 1) Begin with no load on the scale, the display reading zero, and the gross weight indicator lit.
- 2) Place an empty container on the scale platform, wait for a stable weight indication and press the  key. The weight of the container will be deducted automatically, the display will read zero, and the net indicator will light.
- 3) Place the first item in the container until the desired weight is reached.
- 4) Press the  key and the display will return to zero. Place the next item in the container until the desired weight is reached.
- 5) Continue in this manner until all items to be batched have been weighed. Do not allow the gross weight on the scale platform to exceed the capacity of the scale.
- 6) To return to gross zero, remove all items from the scale platform and press the  key.
- 7) To return to gross weighing mode, remove all items from the scale platform and press the  key.

V Troubleshooting and Error Messages

The scale can check various functions automatically. When a problem is detected, the following messages will be displayed. If you take the steps described below but the problem is not fixed, the scale needs to be serviced by a qualified scale technician.

Low battery indication. Connect the AC adaptor to the scale and recharge the battery. This takes approximately 14 hours. The scale can be used while it is recharging. If the battery does not charge, see a qualified scale technician.

Power on counts are greater than calibrated zero plus 10%.
Remove weight from the platform and press the  key, if necessary. If no weight is on the platform, calibration or service is required.

Power on counts are less than calibrated zero minus 10%. This generally indicates that the platform is not on the scale or that something is wedged between the platform and the scale body. Replace the scale platform, remove any obstructions under the platform and press the  key, if necessary. Otherwise, calibration or service is required.

Overload condition. Remove weight that is greater than the scale capacity from the platform. If no weight is on the platform, calibration or service is required.

Underload condition. Generally indicates that something is wedged between the platform and scale body. Remove the obstruction. If there is no obstruction, calibration or service is required.

Calibration span is too high. Calibration or service is required.

EEPROM R/W error. Service is required.