PB-200 Operation Manual

PB-200

N
G

0:0.0 lb-oz

On/Tare   Net/Gross   Unit   Off

Yamato

0 - 200 oz x 0.1 oz   0 - 12.5 lb x 0.01 lb
0 - 12 lb 8 oz x 0.1 oz   0 - 5000 g x 2 g

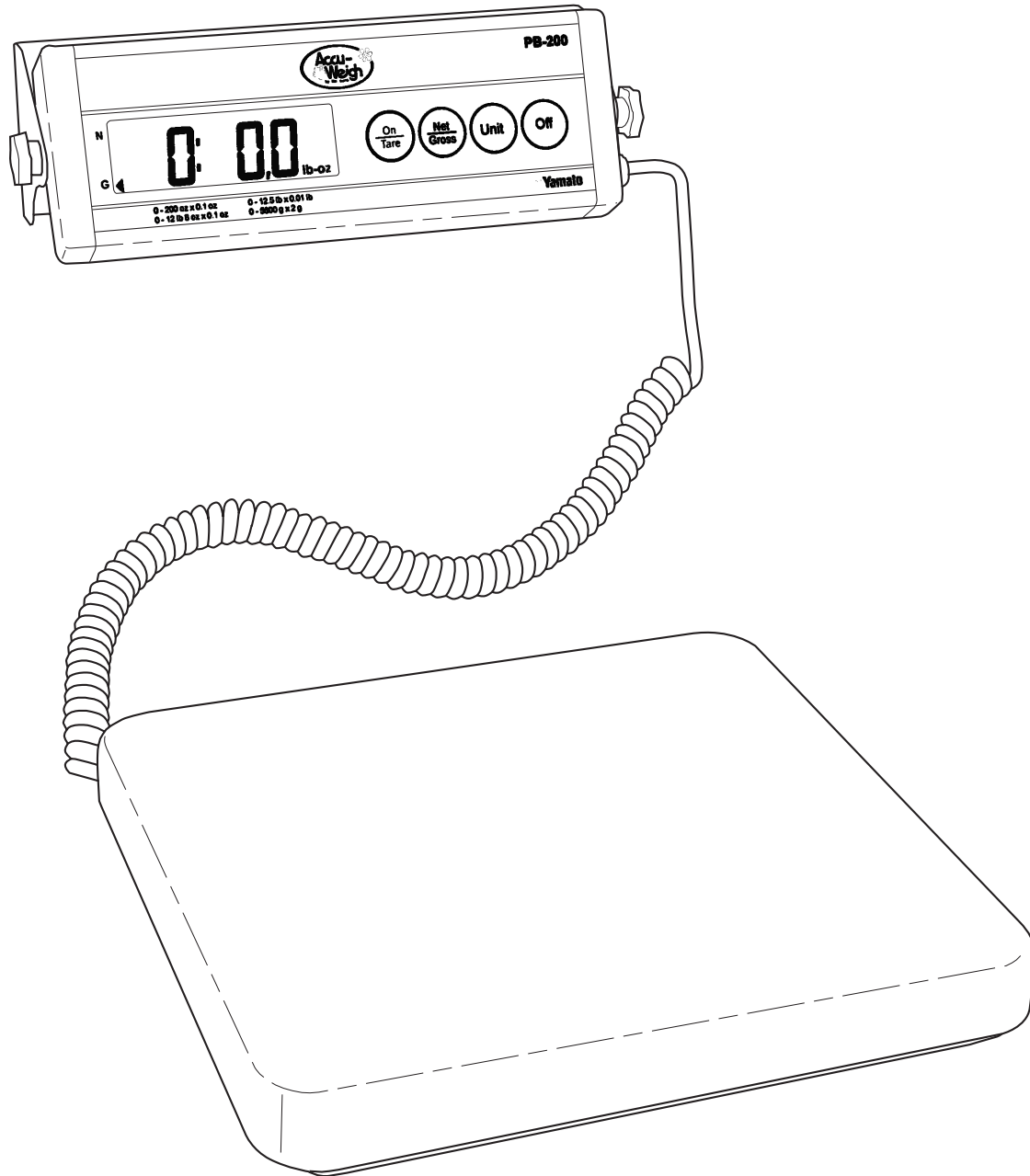Accu-Weigh

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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 or the platform support 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.
8)   The PPC-200 uses a liquid crystal display. If the LCD breaks and the liquid leaks from the LCD, do not touch it with your fingers. The liquid is toxic if ingested. Be especially careful around small children.
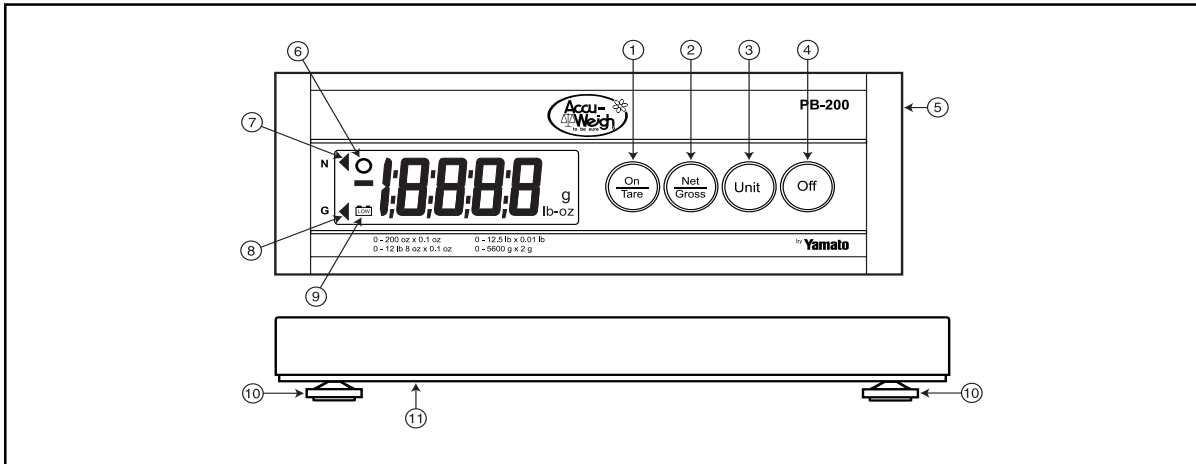
To prevent damage to the scale
1)   Do not push the indicator or keys with sharp objects. They may break or puncture the switch membrane panel.
2)   Use the specified power supply and choose a suitable environment. If you do not, the weight readings may be inaccurate and the scale may be damaged.
3)   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, all of which can cause deformation, discoloration, or deterioration of the scale.
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 except when replacing the batteries.
7)   When the low battery indicator appears, replace all six of the batteries. When installing the batteries, install them according to the polarity markings in the case (+, -). If the scale will not be used for a long period, remove the batteries.

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 –5°C to +35°C (23°F to 95°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.

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I   Name and Function of Parts

1)	On/Tare Key	Turns the power on, zeros the display, and tares off the weight on the scale platform.
2)	Net/Gross Key	Toggles between gross and net weights.
3)	Unit Key	Selects the units of measurement (lb, lb-oz, oz and g.)
4)	Off Key	Turns the power off.
5)	AC Adaptor Jack	Jack for the AC adaptor.
6)	Stable Indicator	Indicates the weight on the scale has stabilized.
7)	Net Weight Indicator	Indicates the scale is in net mode.
8)	Gross Weight Indicator	Indicates the scale is in gross mode.
9)	Low Battery Indicator	Indicates the batteries need to be recharged.
10)	Levelling Legs	Used to level the scale.
11)	Tare Foot Switch Jack	Jack for the Tare foot switch.

II   Specifications

Weighing system:	Strain-gauge load cell
Platform:	11.75" x 12.25" (302 x 312 mm), stainless steel
Weight display:	Single face display
Type:	7 segment LCD
Character size, etc.:	0.5" (12 mm) (W) x 1.0" (25 mm) (H), 5 digits
Optional equipment:	Display Mounting Column
Power supply:	Rechargable Battery Pack or AC input (when using the AC adaptor.)
Battery life:	8 hours of continuous use, 14 hours to fully recharge
Operating temperature:	14°F to 104°F (-10°C to 40°C)
Operating humidity:	25% to 85% RH

III Directions for Use

III.A 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 right hand side of the display.

III.B Leveling the Scale

Place the scale on a flat and level surface. If the scale is not level, the readings may not be accurate. Adjust the feet by turning them in or out to lower or raise the corner of the scale the foot is on.

III.C Turning the Scale On and Off

Remove everything from the platform surface, and press the foot switch or the (On/Tare) key. The display will briefly display four eights. After approximately 5 seconds, the display will automatically set to zero.

Press the (Off) key. 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 (Off) key is not pressed. Please see the technical manual or contact technical support to change this feature.

III.D 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 right hand side of the display. The scale may be operated while it is recharging.

III.E Zero the Display

The scale will automatically zero when turned on. If a value is displayed when the platform is empty, push the (On/Tare) key to zero the display. The maximum zero range during power up is approximately full scale.

III.F Changing Units of Measurement

To cycle through lb-oz, lb, oz and g, press the (Unit) key.

III Directions for Use

III.G   Weighing

III.G.1   Gross Weighing

1) Begin with no load on the scale, the display reading zero, and the gross weight and stable indicators lit.	`0.00 lb`
2) Place the item(s) to weighed on the scale platform. The weight displayed will be the gross weight.	`5.37 lb`

III.G.2   Net Weighing

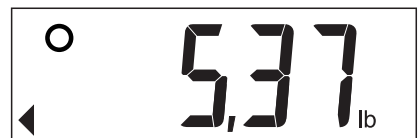|	
1) Begin with no load on the scale, the display reading zero, and the gross weight and stable indicators lit.	`0.00 lb`
2) Place an empty container on the scale platform, wait for the stable indicator to appear, and press the foot switch or the (On/Tare) key. The weight of the container will be deducted automatically, the display will read zero, and the net and stable indicators will light.	`0.00 lb`
3) Place the item(s) to be weighed in the container. The weight displayed will be the net weight.	`2.35 lb`
4) To display the gross weight, press the (Net/Gross) key. The gross indicator will light and the weight displayed will be the gross weight of the item(s) and the container. Press the (Net/Gross) key again to return to the net weight.	`5.37 lb`
5) To return to gross zero, remove all items from the scale platform and press the foot switch or the (On/Tare) key.	`0.00 lb`
6) To return to gross weighing mode, press the (Net/Gross) key.	`0.00 lb`

III Directions for Use

III.G   Weighing

III.G.3   Batching

1) Begin with no load on the scale, the display reading zero, and the gross weight and stable indicators lit.	◯ *0.00* lb ◀
2) Place an empty container on the scale platform, wait for the stable indicator to appear, and press the foot switch or the (On/Tare) key. The weight of the container will be deducted automatically, the display will read zero, and the net and stable indicators will light.	◀◯ *0.00* lb
3) Place the first item in the container until the desired weight is reached.	◀◯ *2.35* lb
4) Press the foot switch or the (On/Tare) key and the display will return to zero. Place the next item in the container until the desired weight is reached.	◀◯ *1.70* lb
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 foot switch or the (On/Tare) key.	◀◯ *0.00* lb
7) To return to gross weighing mode press the (Net/Gross) key.	◯ *0.00* lb ◀

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IV 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.

1) The weight out of range. When the weighed value is 9 or more divisions heavier than the scale's capacity this message will be displayed.	**Err**
When the weighed value is out of range below zero, this message will be displayed. It is usually displayed when the platform has something wedged under it.	**ErrL**
2) Initial error on startup. When the initial weight is heavier than the permissible zeroing range and the foot switch or the (On/Tare) key is pressed, this message will be displayed. Remove whatever is on the platform and press the foot switch or the (On/Tare) key again.	**Err**
When the initial weight is lighter than the permissive zeroing range and the foot switch or the (On/Tare) key is pressed, this message will be displayed. Remove any objects under the platform, and press the foot switch or the (On/Tare) key again.	**ErrL**