



OPERATION MANUAL

IMPORTANT

- Do not carry out installation, operation, service or maintenance without thoroughly understanding of the contents of this manual.
- Keep this manual available at all times during installation, operation, service, and maintenance.

ISHIDA CO., LTD.

You can help improve this manual by calling attention to errors and by recommending improvements. Please convey your comments to the nearest Ishida Company regional representative.

Thank you!

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1. Cautions for Handling

To ensure the safe operation of this machine, the general safety considerations below must be followed:

- Always operate the scale on a level surface.
- Do not disassemble the scale.
- Do not allow any liquids to come into contact with the scale.
- Do not drop or apply a strong shock to the scale.
- When cleaning the scale, only use a soft dry cloth wetted with a neutral cleanser. Never use thinner or other volatile liquids.
- Do not use your scale in abnormal conditions.

If smoke, disgusting smell, or any other abnormality is detected from the scale, immediately disconnect the power supply cable plug from the outlet and contact the nearest ISHIDA regional representative for repair. Continued use of scale under such abnormal conditions may cause a fire or electric shock. For your personal safety, never repair the scale by yourself.

- Do not insert/remove the plug in/from the outlet with wet fingers.
- Do not remake the electrical plug or power cable.
- Do not pull strongly, break, or remake the power cable.
- Do not leave any items on the weighing platter. This can damage the measuring equipment.
- Do not peel off the seal affixed to the scale body.

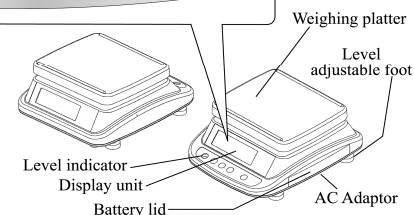
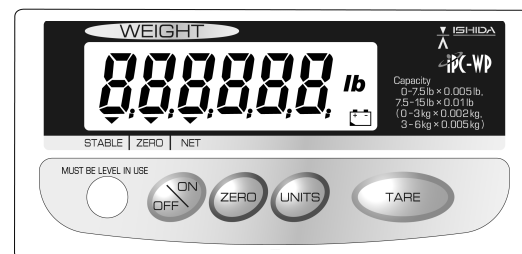
WARNING!

Always operate the scale with the same rated AC power supply shown on the specification plate.

- Avoid Locating the Scale in the Following places:
 - A place of low temperature, high temperature or high humidity
 - A place frequently exposed to vibration
 - On an unstable floor or table

2. Name and Function of Each Component

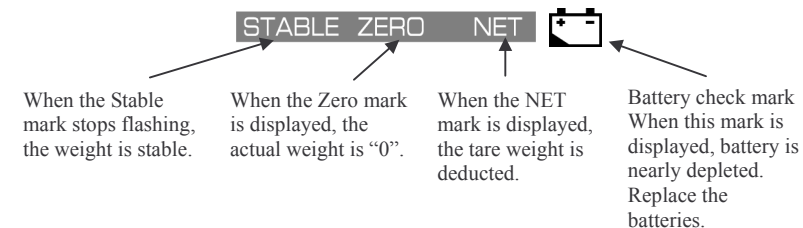
2-1 External View of the Scale



NOTE: Displays are provided on both sides of scale. (One-side-display model is also available.)

2-2 Function of Each Key

- Used to turn ON/OFF power of the scale.
- Used for zero adjustment.
- Used to set tare weight.
- Used for auto-power function. Also used to switch between "lb" and "kg".



3. Preparing Scale

The following describes the procedure for preparing the scale before operation.

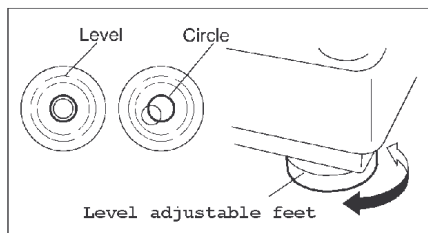
1 Install Battery.

Open the lid on the bottom of the scale and install two D-batteries or connect the AC Adaptor to the receptacle installed on the bottom of the scale.

Warning: Do not connect the AC Adaptor, when using the batteries.

2 Level the Scale.

Adjust the feet until the air bubble inside the level remains at the center of the circle.



3 Turn on the Power Switch.

With nothing placed on the weighing platter, press the **ON/OFF** key to turn on the power.

NOTE:

Make sure that display indicates all "0"s.

4 Adjust the Zero Point.

If the zero-point mark is not displayed, press the **ZERO** key.

5. Using Auto-power Off Function

Press and hold the **UNITS** key for 6 sec to change auto-power function mode.

Press the **UNITS** key again to toggle between P0, P1 and P2.

- P 0: auto-power off
- P 1: 20 min
- P 2: 60 min (factory default)

Press the **TARE** to exit and set your selection.

4. Weighing

1 Set Tare Weight (if necessary)

Place a tare weight, and press the **TARE** key.



NOTE:

When no tare weight is used, **▼** will not illuminate on the **NET** key.

2 Reset TARE Weight

Press the **TARE** key with nothing on a platter.



3 Weigh an Item

Place the item to be weighed on the weighing platter.

When the **STABLE** marks stops flashing, the actual weight is displayed.



NOTE:

When no tare weight is used, **▼** will not illuminate on the **NET** key.

4 Change Weight Measure

Press the **UNITS** key to change between "lb" and "kg".

5. How to Calibrate IPC

Please contact your local scale dealer for the recalibration of the scale.

- With the scale powered off, press and hold the **TARE** key, and the **ON/OFF** key at the same time until L003b is displayed. Then release the keys and C1 x will be displayed.



Note:

C1 4 → America

C1 6 → Canada

- Press **TARE** key twice to go to C3. C3 will be displayed.

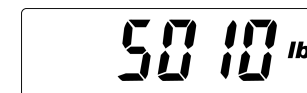


- Press **UNITS** key. (The value should lie between 1000 and 25000.)

Note: The value (A/D Data) is instable (sensitive to vibrations).

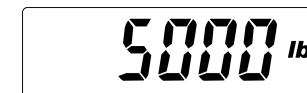


- Press **UNITS** key. A value of about 5000 will appear. This is the closest value to the zero point. (Make sure the operating conditions are stable; do not put any weight on the balance.)



By pressing **UNITS** key, lb/kg can be converted for span adjustment.

- Press **ZERO** key to set ZERO to 5000 counts.



6. Place weight equal to full scale capacity on the platter. Press **UNITS** key.

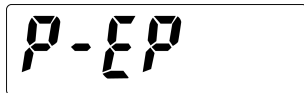
For an instant, "CAL" is displayed and the counts will be set "35000."

(ZERO = 5000) + (FULL CAPACITY = 30000 counts) = 35000 counts

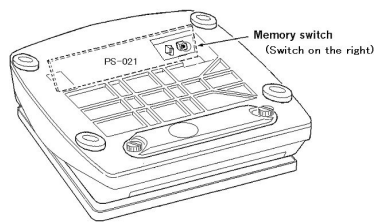


- Remove the weight from the platter before tipping over the scale cover.

7. Please press the memory switch located next to the AC/DC adaptor connector to keep this setting. Display will only show this momentarily.



- The precision adjustment switch is located on the bottom of the balance, near the screw for the right front foot.
- Press it into the hole with a long, blunt object (e.g. the tip of a pen).



8. Press **ON/OFF** key for a few seconds to power off.

6. Specifications

Platter Size	9.1" × 7.8"	11.0" × 11.5"
Capacity and minimum graduation	3 kg/6 lb	15 kg/30 lb
	1.5 kg × 0.001 kg	7.5 kg × 0.005 kg
	3 kg × 0.002 kg	15 kg × 0.01 kg
	3 lb × 0.002 lb	15 lb × 0.01 lb
	6 lb × 0.005 lb	30 lb × 0.02 lb
	6 kg/15 lb	30 kg/60 lb
	3 kg × 0.002 kg	15 kg × 0.01 kg
	6 kg × 0.005 kg	30 kg × 0.02 kg
	7.5 lb × 0.005 lb	30 lb × 0.02 lb
	15 lb × 0.01 lb	60 lb × 0.05 lb
POWER	Dry Cell 2 pieces (* can be operated for 500 hours with alkaline dry D-Type batteries) or AC Adaptor (No Dry Cell and/or AC adaptor are included in the shipment.)	
APPROVALS	NTEP	

Ishida Co., Ltd Warranty & Service Policy

Statement of Limited Warranty

Subject to the terms and conditions as stated herein, Ishida Co., Ltd, (hereafter referred as "Ishida" warrants its equipment to be free from defective in material and factory workmanship for a period of twelve months from the date of installation.

Terms and Conditions of Limited Warranty

This obligation is limited exclusively to defective original equipment manufactured or supplied by Ishida and is subject to the inspection and analysis by Ishida as to conclusively identify or confirm the nature and cause of failure.

Ishida responsibility is confined to repair, replacement, or credit (as its option) of equipment or parts and does not extend coverage to labor, material, or service charges involved in removable of equipment for return to the factory.

This warranty is not applicable for expenses either direct or consequential that may arise from the user or inability to use these products.

Ishida reserves the right to incorporate improvements in material and design of the products without notice and is not obligated to incorporate the same improvements in equipment previously manufactured.

In certain cases, such as used equipment or peripheral equipment not manufactured by Ishida, a reduced warranty may apply. Specific details to these exceptions are provided separately or at the time of purchase.

Ishida shall not be obligated under any warranty different from its warranty as set forth herein. Ishida warranty is limited to the initial customer and installation and is not intended to insure to the benefit of a secondary owner in the event of resale.

Condition Which Void Limited Warranty

This warranty shall not Apply to equipment which:

- 1) Has had repairs or modifications not authorized by Ishida which in Ishida judgment has affected the performance or reliability.
- 2) Has been subject to misuse, negligent handling, accident, damage by fire, water, submersion, or act of God.
- 3) Has had serial number altered, defaced or removed.

