



Digital Portion Scale AW-300P USER MANUAL

PLEASE TAKE THE TIME TO READ THESE INSTRUCTIONS BEFORE
STARTING TO USE THE SCALES

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INTRODUCTION

Thank you for purchasing a Yamato Portion Scale. Please read this instruction manual carefully before use. Keep these instructions handy for future reference.

SAFETY INSTRUCTION



Before putting the device into use, please read with care the information given in the Operating Instructions. They contain important instructions for installation, proper use and maintenance of the device.

The manufacturer shall not be liable for damages arising out of failure to heed the following instructions:

- ◆ When using electrical components under increased safety requirements, always comply with the appropriate regulations.
- ◆ Improper installation will render the warranty null and void.
- ◆ Ensure the voltage marked on the power supply unit matches your mains power supply.
- ◆ This device is designed for use indoors.
- ◆ Observe the permissible ambient temperatures for use
- ◆ The device meets the requirements for electromagnetic compatibility. Do not exceed the maximum values specified in the applicable standards.
- ◆ These batteries should be kept away from small children. If swallowed, promptly seek medical assistance.
- ◆ Expected Service Life: 5 years

If you have any problem, contact your local service partner.

CLEANING

- ◆ We would recommend using alcohol based wipes or similar when cleaning the scales.
- ◆ Please do not use large amounts of water when cleaning the scales as this will cause damage to the scales electronics, you should also refrain from using corrosive liquids or high pressure washers.
- ◆ Always disconnect the scales from the mains power supply before cleaning.

MAINTENANCE

- ◆ The scale does not require any routine maintenance. However, we recommend checking the scale's accuracy at regular intervals. The regularity of these checks is dependent on the level of use and the state of the scale. If any inaccuracies occur, please contact your local dealer or service partner

DISPOSING OF THE SCALE

- ◆ This product is not to be treated as regular household waste, but should be handed in to an electrical/electronic equipment recycling centre.
- ◆ You can obtain further details from your local council, your municipal waste disposal company or the firm which you purchased the product

Explanation of the graphic symbols

SN-21300100

Designation of the serial number of every device, applied at the device.

(Number as an example)



“Please note the accompanying documents“
or “Observe operating instructions”



“Electro-medical appliance“
with attachment for type B



Dispose of old appliances separately from your household wastrel!

Instead, take them to communal collection points.



Carefully read this operation manual before setup and commissioning, even if you are already familiar with Yamato scales.

TO Ready Scale for Use

1. Remove the scale from its box along with any protective film from the platform cover.
2. Place the scale on a hard, flat surface. Uneven surfaces will affect accuracy. If using the adapter, make sure the scale is not resting on the cord, otherwise it may be unstable.

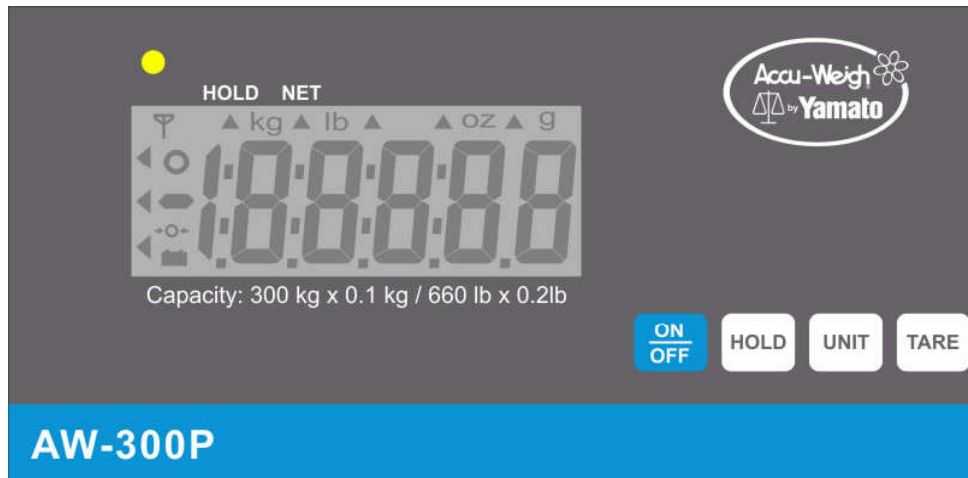
POWER SUPPLY & LOW BATTERY

1. The AW-WPS scale uses 9 volt battery.
2. Low battery indication will display on LCD display when battery power is insufficient to perform the weighing.
3. When “**LowBat**” is displayed, please change batteries. Please refer to “INSTALLING THE BATTERY”.









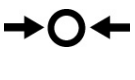

SPECIFICATIONS

| | |
|-----------------------|---|
| Model | AW-300P |
| Capacity | 300 kg x 0.1 kg / 660 lb x 0.2 lb |
| Weight Unit | kg / lb |
| LCD Readout | 1.0" LCD display with 5 1/2 digits |
| Dimensions | Assembled size: 210x110x45 mm Platform size: 550x550x65 mm |
| Buttons | ON/OFF, UNIT, HOLD, TARE |
| Power Supply | ➤ 6-AA size batteries ➤ 15V DC adapter 100~300mA |
| Operation Temperature | 5°C / 35°C |

PANEL




KET FUNCTIONS

| Key | Description |
|---|--|
|  | Turn ON/OFF the scale |
|  | To hold weighing result on the display / determine stable weighing value |
|  | To select the weighing unit. (kg/lb) |
|  | Tare weight during weighing process. |
|  | The 'Hold' weighing function is active. |
|  | Stored 'Tare' value. |
|  | Stable symbol |
|  | Minor weight value |
|  | Indicates scale is at center of zero |
|  | Low battery indication |

USING SCALE

WEIGHING

- ◆ Switch on the scale using  key. The diagnostic scale self-check is performed and the software version is displayed.
- ◆ The „**0,00 kg**” weight displays on the screen, now the scale is ready for weighing.
- ◆ Place a person in the middle of the scale. Wait until the scale stabilizes and stable sign (●) shows on the screen

Direction:

If a person is heavier than the scale capacity, the display will show the „Err” prompt (= overload).

USING TARE FUNCTION

Tare allows the user to zero the instrument to cancel the weight of a container/ clothes from the reading of the instrument, thus giving the true weight of the animal being tested.

- Place the object need to be tare on the tread platform.
- Press TARE key after the weight stabilizes and stable sign displays.
- Move the animal need to be weighed on the scale platform(without removing the tare object)

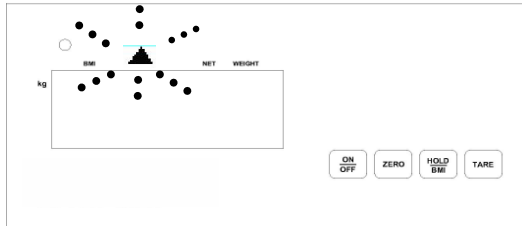
To delete the saved tare value, remove the tare object from the tread platform and press **[TARE]** key.

USING HOLD FUNCTION

AW-300P is provided with the integrated hold function (determination of average value). It enables animal to be weighed accurately although they are not still on the scale plate. Once the HOLD key is pressed, the weight reading will remain on the display even after the animal has been moved from the scale platform, so the reading can easily be read.

Note: Determination of average value is not possible if the animal is moving too much.

- Switch ‘ON’ the scale using **[ON/OFF]** key. The diagnostic self-checks is performed. The scale is ready for weighing when the „**0.0 kg**” displays on the screen.
- Place animal in the center of the scale plate.
- Press the **[HOLD]** key. When the triangle is flashing on the display, the scale records the fluctuating weight values and then calculates average weight and displays the result on the screen.
- Move the animal from the scale platform, the weight reading will remain on the display.
- Press the **[HOLD]** key again to return the scale to the normal weighing mode.
- HOLD function can be activated before or after putting the weight on the tread platform. But in case of weighing unstable animal it is recommended to press HOLD key before the animal moves on the tread platform.



(1)



(2)

AW-300P : SET-UP

Switch ON the scale and long press [UNIT] key for 3 seconds.
First "SETUP" and then "A.OFF" will display successively.

AUTO-OFF TIME SETUP

This enables operator to select the auto turn OFF time of the device.

BUZZER ON/OFF SETUP

This enables operator to select beep sound ON/OFF.

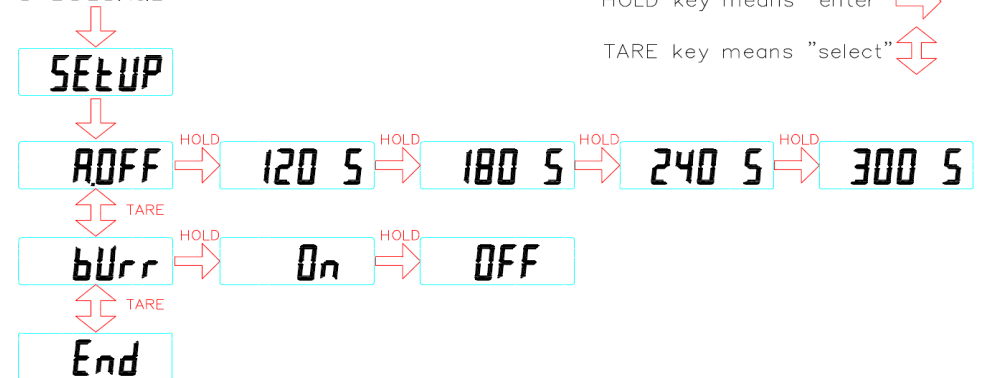
Auto off time: 120 sec/180 sec/240 sec/300 sec/off

Buzzer: On/Off

Press ZERO key
3 seconds

HOLD key means "enter" →

TARE key means "select" ⇅



Note: To confirm the settings, please press HOLD when

End displays on the display.

INSTRUCTION FOR CHARGE AND CONNECT

If **Lo** prompt displays on the LCD, please charge the scale with AW-300P exclusive adaptor or replace the batteries.
Locate adaptor plug-in at the back side of indicator.



CAUTION:

- Always connect the AC adaptor with the indicator before connecting to the mains power supply.
- Please disconnect the adaptor from main power supply before taking out the AC adaptor pin from indicator.

INSTRUCTIONS FOR REPLACING BATTERIES



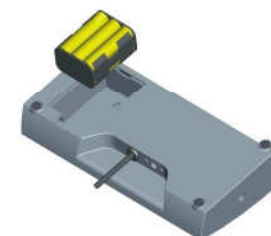
1.Remove battery cover.



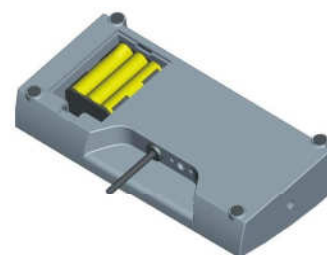
2.Take battery housing out.



3.Installing six AAA batteries.



4.Make sure battery direction is correct.



5.Put battery housing back.



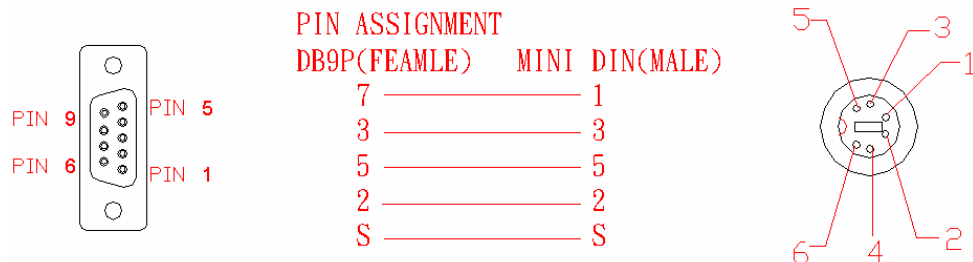
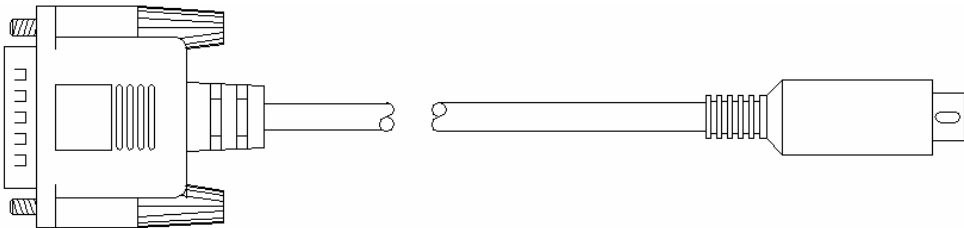
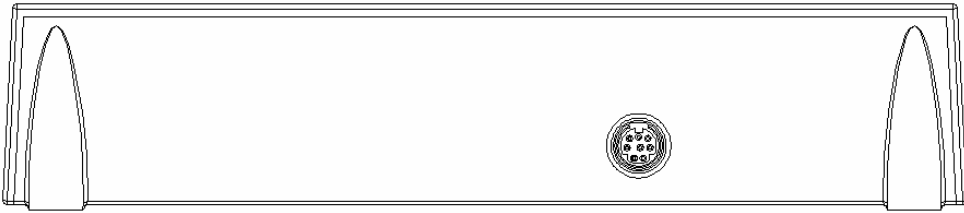
6.Put battery cover back.

Parameters of RS232 interface

Set parameters of the scale interface on the connected device. It is not possible to change the scale parameters.

- Baud rate: 9600 bps
- Parity check: None
- Data length: 8 bits
- Stop bit: 1 bit
- Handshake: RTS/CTS
- Data code: ASCII

PS2 Pin out



Connecting with PC

1. Start Hyper Terminal

Start Hyper Terminal program from clicking

Start Menu → Programs → Accessories → Communication → Hyper Terminal.

2. New Connection Description

Give new connection a name then click OK.

3. Select Your COM Port

Click Connect to select your COM port. Usually there's only one option for select. Then click OK.




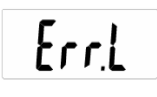



4. Port Settings

Click Bits per second to set up rate at 9600, Data bits at 8, Parity at None, Stop bits at 1 and Flow control at Hardware. Then click OK to complete your setting.

5. Output Data

When the has been weighed calculated, scale weighed data output to PC

ERROR MESSAGE

| ERROR MESSAGE | REASON | ACTION |
|--|--|---|
|  | Low Battery: This warning shows that the voltage of battery is too low to use | Please replace a new battery or plug the AC adaptor for operation. |
|  | Overload: The total load exceeds the maximum capacity of scale | Please reduce the loading and try again. |
|  | Counting error (too high): Indicates that the signal from the load cell/s is too height | This error is normally caused by a serious fault on the scales such as a faulty load cell or wiring. Please contact the local service representative. |
|  | Counting error (too low): Indicates that the signal from the load cell/s is too low | This error is normally caused by a serious fault on the scales such as a faulty load cell or wiring. Please contact the local service representative. |
|  | Zero count over calibration zero range +10% while power on | Please re-calibrate the instrument. |
|  | Zero count under calibration zero range -10% while power on | Please re-calibrate the instrument. |
|  | EEPROM Error: Indicates that there is a fault with the scales software | This error is normally caused by a serious fault on the scales such as a faulty load cell or wiring. Please contact the local service representative. |



ROHS COMPLIANCE

EU Directive 2011/65/EU restrict the use of the 6 substances below in the manufacture of specified types of electrical equipment.

- The product does not contain any of the restricted substances in concentrations and applications banned by the directive;
- and for components, the product is capable of being worked on at higher temperatures required by lead-free soldering.

The restricted substances and maximum allowed concentrations in the homogenous material are, by weight:

| Substance | Concentration |
|---------------------------------------|---------------|
| Lead | 0.1% |
| Mercury | 0.1% |
| PBB (Polybrominated Biphenyls) | 0.1% |
| PBDE (Polybrominated Diphenyl Ethers) | 0.1% |
| Hexavalant Chromium | 0.1% |
| Cadmium | 0.01% |



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