

Operating at the **SPEED** of Sound

YCO-1010-12-98 A

Yamato

YAMATO CORPORATION

1775 S. Murray Blvd.
Colorado Springs, CO 80916 USA
Tel (719) 591-1500 Fax (719) 591-1045

YAMATO TECH CORPORATION

#112-19425 Langley By-Pass
Surrey, B.C. V3S 6K1 Canada
Tel (604) 533-2338 Fax (604) 533-0827

Table of Content

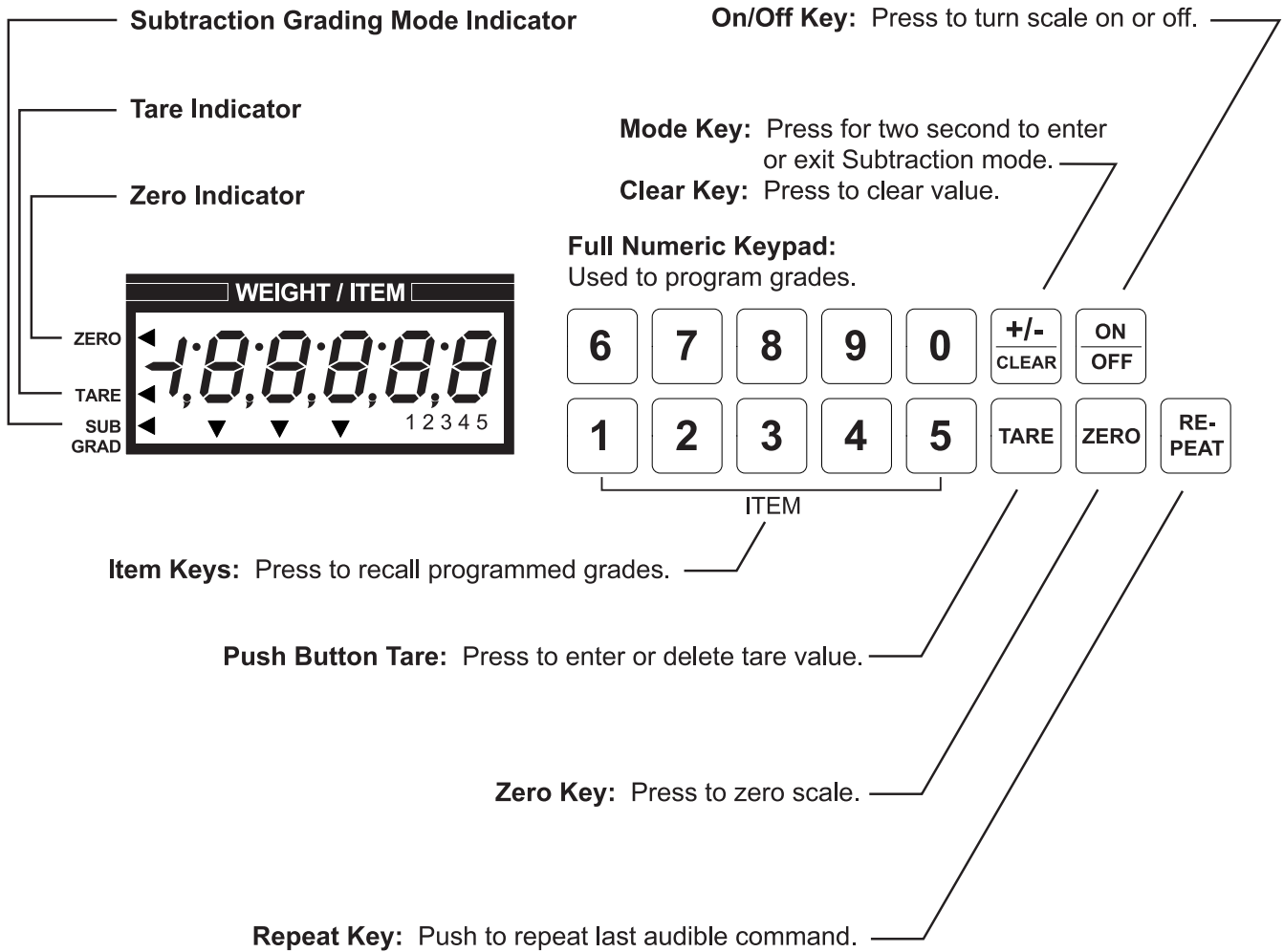


I.	TABLE OF CONTENT	2
II.	DISPLAY & KEY FUNCTIONS	3
III.	SETUP & MAINTENANCE	4
IV.	OPERATION	5
	□ To Turn Scale on	
	□ Weigh Mode	
	□ Taring	
	□ Zeroing	
	□ Grading Mode	
	□ Wireless Headphones (optional)	
V.	PROGRAMMING GRADES	6

Coments or Question???

If you have a question about the content of this manual or have a suggestion for its improvement, we would love to hear from you. Please note your question or suggest on a copy of the page and fax it to us at (719) 591-1045 - ATTENTION: Engineering. Thank you.

Display & Key Functions



SETUP

1. Remove scale from box.
2. Place platform on solid foundation. Unstable location or excess vibration with effect operation of scale. Floor or heavy-duty table is recommended.
3. Level scale using leveling legs.
4. Position indicator with the speaker facing operator.
□ Indicator can be place on floor, table, or mounted on wall. To mount, use slots located on the backside of indicator.
5. Plug scale into a 115 V power source (unless otherwise noted).

Maintenance

1. DO NOT place items on the scale that excess listed capacity. See front of indicator.
2. DO NOT drop items on scale or scale itself.
3. Clean scale using water and a mild cleaner. Do not use chemicals for cleaning.
4. Avoid spraying front of indicator directly, use a wet cloth to wipe down.
5. Spray the top of platform only. Avoid spraying underneath.
6. Keep scale on overnight, if used on a daily bases.

To Turn Scale On

1. Plug scale into 115 V power source.
2. Press **[ON]**.
 - Scale will initialize by flashing all digits several times, then enter weigh mode.

Weight Mode:

To weigh, place item on scale. Display will read weight value in designated units (see front of indicator). To return to Weigh Mode from Grading Mode, press **[ON/OFF]** two times.

Taring

Place container on platform and press **[TARE]**.
To clear tare, remove container from platform and press **[TARE]**.

Zeroing

Remove all items from platform and press **[ZERO]**.

Grading Mode:

1. Press desired ITEM KEY: **[1] - [5]**.
 - Display will show corresponding number.
2. To operate in **Addition Mode**:
 - a) Place item on scale, listen for audible grade, then remove item from scale.

To operate in **Subtraction Mode**:

- a) Press and hold **[+/-]** for two seconds.
 - Scale will beep and "SUB GRAD" indicator with light. If no beep check volume level.
- b) Place quantity of items on platform, making sure not to exceed capacity.
 - Scale will beep.
- c) Remove item from scale and listen to audible command.
- d) To return to Addition Mode, Press and hold **[+/-]** for two seconds.

IMPORTANT: In order to reach high grading speeds the AGS must be operated using two hands.

Wireless Headphones (optional):

1. Insert 3 - "AA" batteries into the back of receiver.
2. Plug headphones into receiver.
3. Turn scale and receiver on.
4. Turn volume control knob on scale just past the letter "E" in "VOLUME" on front of indicator.
5. Adjust the "TUNING" dial on receiver until its red LED light (marked "ST.") is lit.
6. Adjust VOLUME on receiver to desired strength.

IMPORTANT: To save batteries, turn receiver off when not in use.

Programming Grades

You can save up to five items into the memory of the scale. These items are recalled by pressing its designated ITEM KEY. Each memory contains three pieces of information: 1) ITEM KEY location, 2) selected VOICE PATTERN, and 3) programmed GRADE VALUE SET.

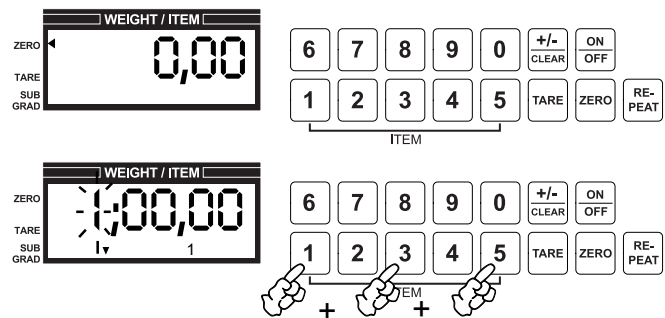
- ITEM KEY is used to recall programmed information with a touch of a button. Keys [1] -[5].
- VOICE PATTERN (VP) is the style of audible command used to define a grade. Each VP contains ten commands (example: VP "0" is numbers 1 - 10). Standard model has two VPs.
- GRADE VALUE SET (GVS) contains ten grade values. See example below.

Example: Program **ITEM KEY = 4**
VOICE PATTERN = 1
GRADE VALUE: 1st = 0.50 lb, 2nd = 1.02 lb, 3rd = 1.26 lb . . .

Your display may be different depending on capacity.

1. To enter program mode:

- a) Turn scale on, if not already.
- b) Press [1], [3], and [5] at the same time.
 - Display will change, large number "1" will blink, and first audible command will sound.
 - If no command sounds check volume control.



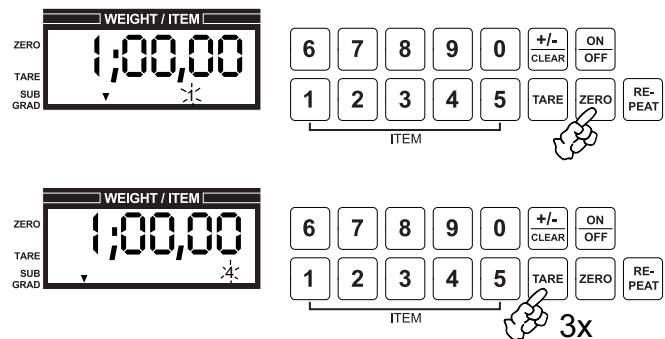
2. To designate ITEM KEY:

(skip if not changed)

- a) Press [ZERO].
 - The small number "1" will blink.
- b) Press [TARE] to advance blinking digit to desired ITEM KEY on keypad.
 - Note: "1" = ITEM KEY [1], "2" = ITEM KEY [2], "3" = ITEM KEY [3], "4" = ITEM KEY [4], "5" = ITEM KEY [5]. (See keypad)

Example: Press [TARE] 3 times to "4".

- c) Press [ZERO] to save.



3. To select VOICE PATTERN:

(skip if not changed)

- a) Press [2].
 - Display will change to "bu; #"
- b) Press [0], [1], [2], or [3] corresponding to desired pattern (see below).

- For standard sound chip (ENG_V2):

[0] = Numbers 1 - 10

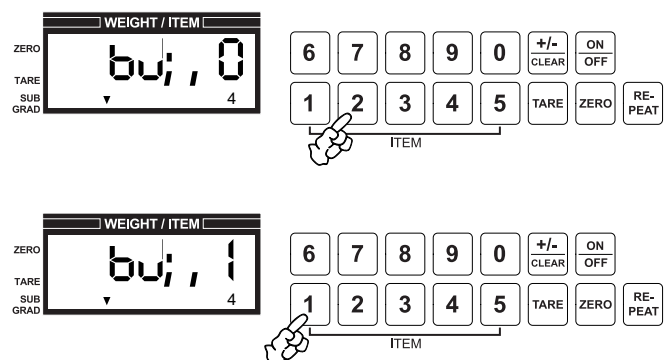
[1] = Letters A - J

[2] & [3] not used

Example: Press [1] for letters (STD version).

- c) Press [TARE] to save.

- Display will change, large number "1" will blink, and first audible command will sound.



4. To program first GRADE VALUE:

(skip if not changed, to skip press [TARE])

a) Press [1].

□ Large "1" will stop blinking.

b) Use numeric keypad to enter value.

Example: For "0.50" press [5] and [0].

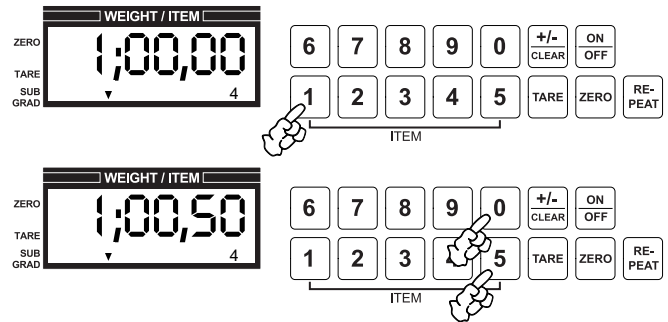
□ If value is entered incorrectly, press [CLEAR] and reenter value.

□ Location of comma depends on division size. Comma is same as decimal point.

c) Press [TARE] to save.

□ Large "1" will blink.

Important: Grade is defined by its beginning value (lower value).



5. To program second GRADE VALUE:

(skip if not changed, to skip press [TARE] 2 x)

a) Press [TARE].

□ Large number "2" will blink, and second audible command will sound.

b) Press [1].

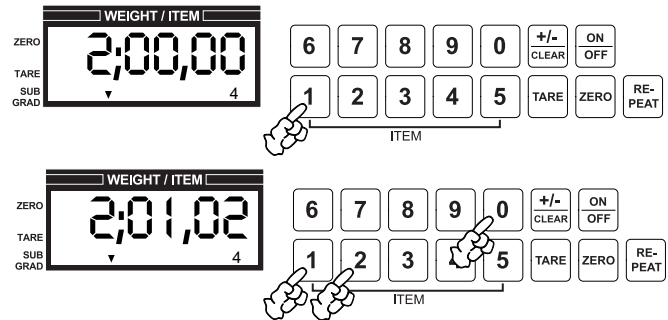
□ Large "2" will stop blinking.

b) Use numeric keypad to enter value.

Example: For "1.02" press [1], [0] and [2].

c) Press [TARE] to save.

□ Large "2" will blink.



6. To program third GRADE VALUE:

(skip if not changed, to skip press [TARE] 2 x)

a) Press [TARE].

□ Large number "3" will blink, and third audible command will sound.

b) Press [1].

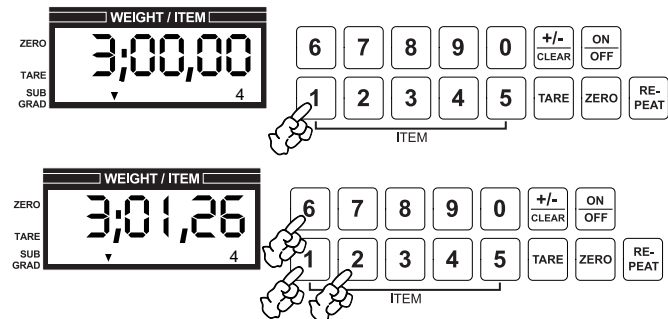
□ Large "3" will stop blinking.

b) Use numeric keypad to enter value.

Example: For "1.26" press [1], [2] and [6].

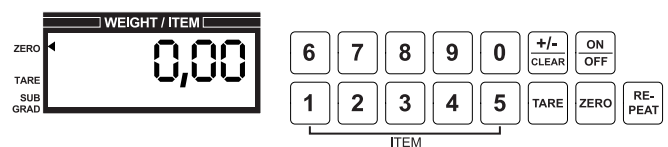
c) Press [TARE] to save.

□ Large "3" will blink.



7. Repeat until all GRADE VALUES are programmed.

8. Press [5] to return to weighing mode .



((AGS))™ Quick Reference

Operation

Weigh Mode: Turn scale on.

Grading Mode: Press desired ITEM KEY [1] - [5].

To return to Weigh Mode: Press [ON/OFF] twice.

Programming Grades:

- To enter Program Mode:
Press [1] + [3] + [5] at same time.

The following must be done in Program Mode.

- To change ITEM KEY:
Press [ZERO].
Press [TARE] to desired number (1 - 5).
Press [ZERO].
- To change VOICE PATTERN:
Press [2].
Press desired pattern [0], [1], [2], or [3].
Press [TARE].
- To program Grade Values:
Press [1].
Enter value using keypad.
Press [TARE] to save.
Press [TARE] to advance to next grade.

- To return to Weigh Mode from Program Mode:
Press [5].

Copy and laminate for easy reference