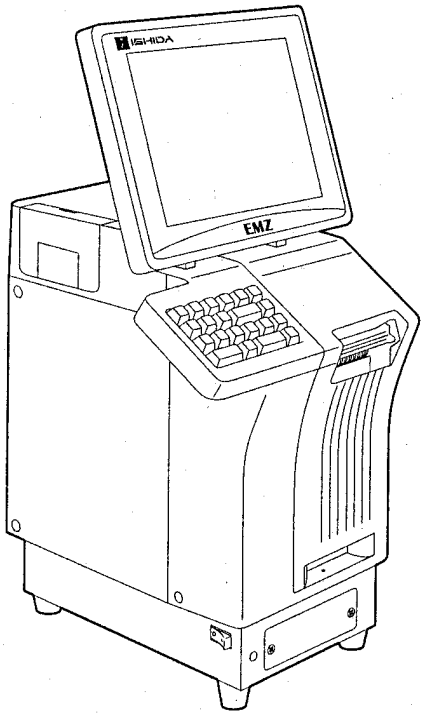
IL-EMZ

Operation Manual

COUNTRY: CAN. USA 2008.09.10



IMPORTANT

- Read this manual thoroughly, and do not perform installation, operation, maintenance, or inspection unless you fully understand all of the contents.
- Keep this manual in a safe place where you can refer to it easily while installing, operating, and carrying out maintenance or inspections.

ISHIDA CO., LTD.
PN 109166

© ISHIDA Co., Ltd. 2008
All rights are reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means mechanical, electronic, photocopying, recording, or otherwise without prior written permission of ISHIDA. The information contained in this manual is subject to change without notice.

1 INSTALLATION

Contents

1.1 SPECIFICATIONS 2
1.2 NAME OF EACH PART 4
1.3 OUTER DIMENSIONS 5
1.4 PREPARATION FOR INSATALLATION 6
1.5 PRECAUTIONS FOR INSTALLATION 7
1.6 HARDWARE INSTALLATION 8
1.7 FINALIZING INSTALLATION 9

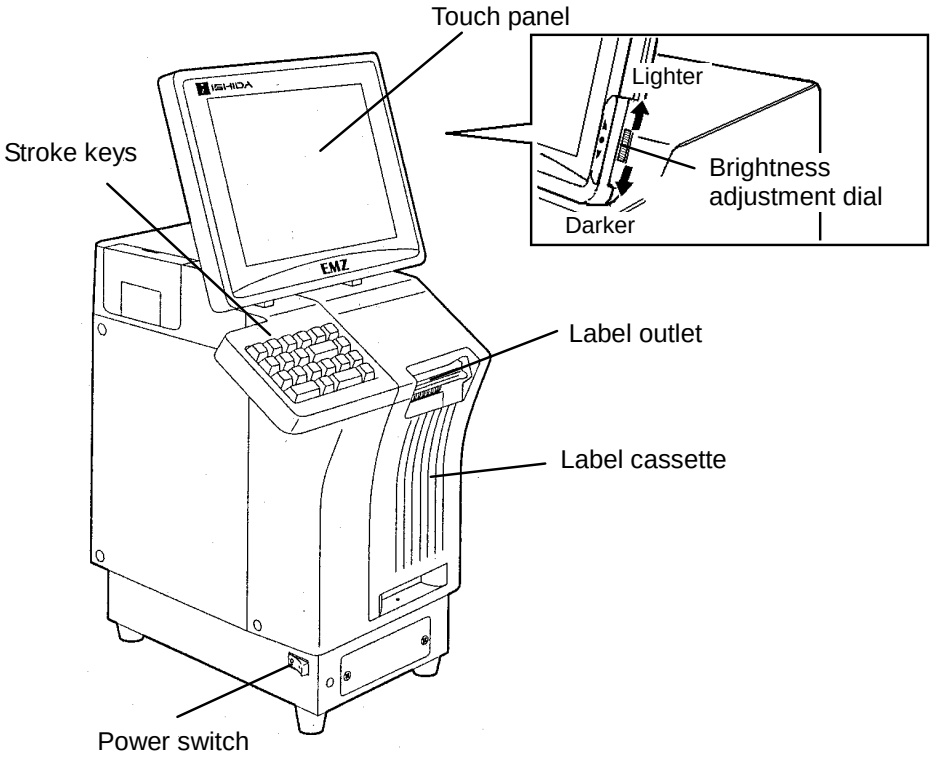
1.1 SPECIFICATIONS

No.	Item	Specifications
1	**Operating environment**	
1.1	Temperature range	-5°C - 40°C
1.2	Operating humidity	20% - 85% (Non condensing)
2	**Outer dimensions**	
2.1	Main body	W285 × D368 × H645mm
2.2	Scale unit	W300 × D270 × H88mm
3	**Mass**	
3.1	Main body	19kg
4	**Power supply**	CAN, USA: AC110-120V 50/60Hz 4A
5	**Display unit**	10.4-inch TFT color liquid crystal VGA with backlight (640 × 480 dots)
6	**Printing method**	Direct thermal method
7	**Thermal head**	LH4114K (TDK) 3-inch (640 dots), 8 dots/mm
8	**Print speed**	100mm/sec
9	**Effective print size**	78mm
10	**Label size**	
10-1	Label width	30 - 80mm
10-2	Label length	30 - 150mm
10-3	Backing paper width	32 - 82mm
11	**Label diameter**	
11-1	Core inner diameter	ϕ76mm
11-2	Max. outer diameter	ϕ2240mm
12	**Keys**	
12-1	Touch panel	212mm × 159mm
12-2	Stroke key	24 keys
13	**I/O**	Ethernet:1ch RS-232C:2ch PCMCIA:2ch I2NET:2ch(ISHIDA Original Protocol)
14	**Program storage medium**	
14-1	Flash ROM (1MB)	Boot program
14-2	Compact Flash (32MB)	OS + Application program
15	**Memory capacity**	*The registration number varies depending on the total memory capacity.
15-1	PLU master	511 characters, 4,000 PLUs, 5 prices
15-2	Additive master	511 characters, 9,999 additives
15-3	POP master	39 characters, 999 POPs
15-4	Comment master	511 characters, 99 comments
15-5	Origin master	39 characters, 9,999 origins
15-6	Storage temperature master	119 characters, 99 temperatures
15-7	Storage method master	119 characters, 99 methods
15-8	Free master 1	511 characters, 99 messages
15-9	Free master 2	511 characters, 99 messages
15-10	Free master 3	511 characters, 99 messages
15-11	Free master 4	511 characters, 99 messages
15-12	Free master 5	511 characters, 99 messages
15-13	Format master	99 characters, 2,048 bytes/format
15-14	Label master	99 labels
15-15	Department name master	13 characters, 9,999 names
15-16	Group name master	13 characters, 9,999 names
15-17	Class name master	13 characters, 9,999 names
15-18	Sales promotion master	99 images, 99 comments, 999 origins
15-19	Store master	9,999 stores,

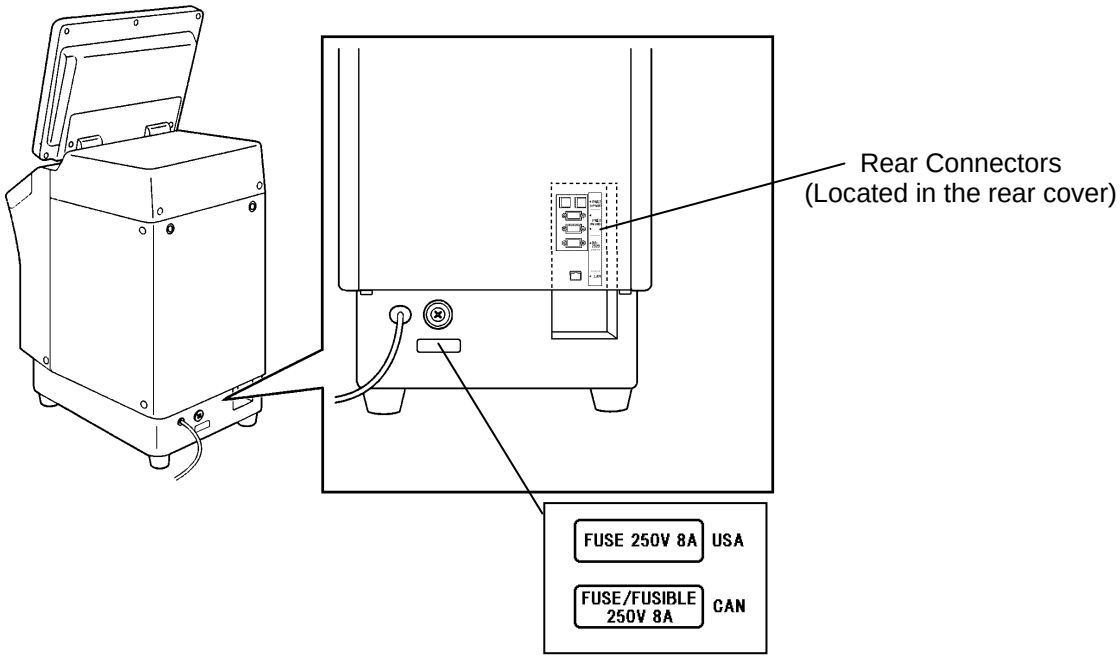
No.	Item	Specifications
		48 characters/store name, 48 characters/store address
15-20	Tray master	9,999 trays, 10 characters/tray
15-21	Memo preset keys	56 items (28 items x 2 pages)
15-22	Classification preset keys	36 types (5 ranges/type)
16	**Barcode print**	
17	POS code system	NON-PLU 13 digits, NON-PLU 8 digits PLU 13 digits, PLU 8 digits
18	POS types	5-digit standard code, 6-digit code including check price, 6-digit code including flag, 5-digit code including check price, 6-digit code + 5-digit price
19	**Durability**	
19-1	Number of label issues	16.2 million labels.(label length 42mm, 9,000 labels, 360 operation days, 5 years, 721km)
19-2	Printer frame drawer	7,300 times (4 times/day, 360 days × 5 years)
19-3	Display angle adjustment frequency	3,650 times (2 times/day, 360 days × 5 years)
19-4	Volume adjustment frequency	7,300 times (4 times/day, 360 days × 5 years)
19-5	LCD backlight	40,000 hours (10.9 years on the assumption of 10 hours/day)
19-6	Power switch	10,000 times, 6.8 years on the assumption of 4 times/day

1.2 NAME OF EACH PART

1.2.1 FRONT VIEW

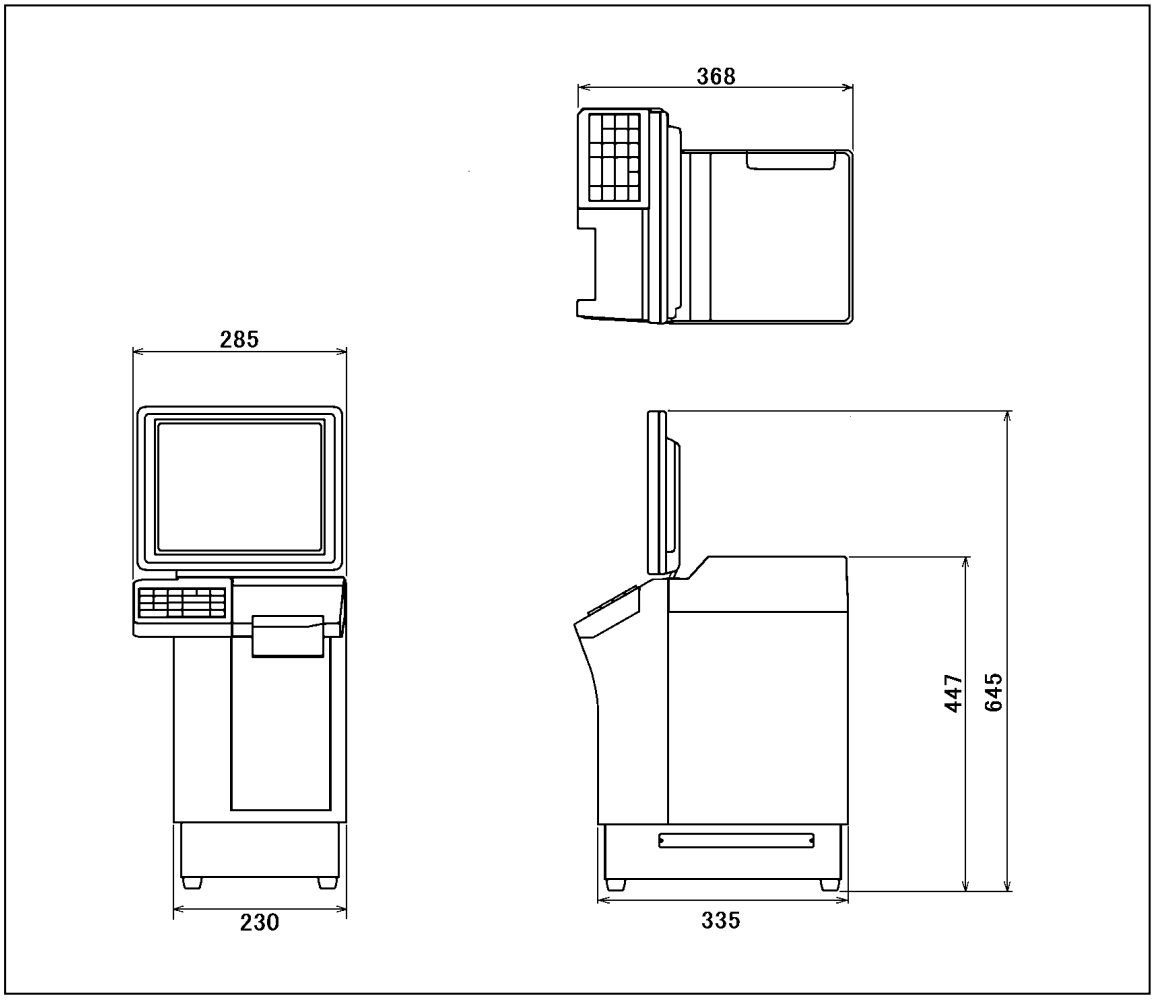


1.2.2 REAR VIEW



1.3 OUTER DIMENSIONS

(Unit: mm)



1.4 PREPARATION FOR INSATALLATION

1.4.1 UNPACKING

Confirm that the following things are packed.

- Main body
- Scale unit
- Grounding cable
- Tool: Plus Screw driver
- User's manual
- Cleaning pen

NOTE: Parts are fixed with adhesive tapes so as not to move when transported.
Remove these tapes when unpacking.

1.4.2 THINGS TO BE PREPARED

- IF-21FD
- 3.5-inch 2DD floppy disk in which the user's data is recorded
- I2NET cable (D-sub 9 pin -modular)
- Labels

1.5 PRECAUTIONS FOR INSTALLATION

1.5.1 GENERAL PRECAUTIONS

● **DO NOT PUT HANDS IN THE MACHINE**
When you need to put your hand inside the machine, always push the Emergency Stop Button first. Never put your hand inside the machine.

● **ALWAYS KEEP HANDS AWAY FROM THE MOVING PARTS**
When the power is turned ON, some parts may still move after a commodity or tray has been called, and your hand may get caught in the machine.

● **DO NOT PUT YOUR HAND INSIDE THE POWER SUPPLY UNIT**
There is danger of electric shock if you touch the inside of the Power Supply Unit. Never touch directly or spill water into the unit. Also, never touch the Main Power Switch with wet hands.

● **DO NOT DISASSEMBLE OR MAKE ANY ALTERATIONS TO THE MACHINE**
The machine can be damaged if disassembled incorrectly. Making any alterations without permission, or removing any parts other than those specified, may cause a serious accident or injury.

● **HANDLE WITH CARE AS THIS IS A PRECISION MACHINE**
Bumps or shocks to the machine can cause damage.

1.5.2 MAINTENANCE PRECAUTIONS

- Keep the area around the machine clear of any dust and debris.
- Do not leave screws or other foreign objects in the machine after performing routine maintenance since this can cause major damage to the machine when the electrical switch is turned on.
- Always remove wires by holding the connector and pulling to disconnect.
  Do not disconnect by pulling on the wires themselves since this may cause a wire to snap or damage the connection.
- Before disassembling or adjusting this machine, make sure you thoroughly understand and follow each step in the order indicated in this manual.

1.5.3 PROHIBITED LOCATIONS

WARNING **Do not install the machine in the following types of places:**

- Places subject to high temperatures or high humidity
- Places exposed to direct sunlight
- Places where water or other liquids are easily spilled on the machine
- Places subject to excessive vibration or unstable foundations
- Places exposed to direct cold air from air conditioners or refrigerators
- Places where the floor or foundation is unstable
- Places subject to a lot of dust or dirt
- Places with large voltage fluctuations

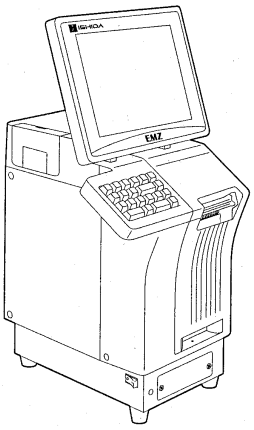
1.5.4 PRECAUTIONS FOR POWER SUPPLY

WARNING **Do not use an unspecified power supply.**

- Use a power supply with rated voltage ground.
- Prepare a dedicated power source.
  A power supply that generates voltage variation may cause a malfunction.
- To avoid any potential electrical shock, securely attach the ground wire to the grounding provision.

1.6 HARDWARE INSTALLATION

1. Install the main body to be able to see the display clearly and perform the key operation easily.



2. Make sure that the machine is grounded at the power supply outlet.

3. Insert the power plug into the outlet.

(CAN,USA)

4. When connecting other devices, connect them according to the following.
Other machine of the master/satellite system I2NET (INLINE) (Dsub 9 pin)
Optional printer·····I2NET (OPTION1) (Modular jack)
IF-21FD·····I2NET (INLINE) (Dsub 9 pin)
Journal printer·····RS-232C

5. Fix the harnesses.

NOTE:
Nylon clamps to fix harnesses are not attached. Prepare the nylon clamps beforehand with their sizes according to the number of the connected harnesses.

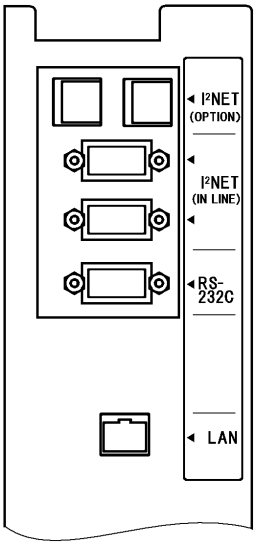


Fig.1 Rear Connectors
(Located in the rear cover)

6. Load labels to be used by the user. Refer to “Label Replacement” in the User’s Manual.

1.7 FINALIZING INSTALLATION

Operation check

Call up a product, place a load on the weighing platter, and issue a label.
After issuing the label, clear the result.

Set content save

Connect the IF-21FD and save the settings.

Operation explanation

Explain the operation method and precautions to the user.

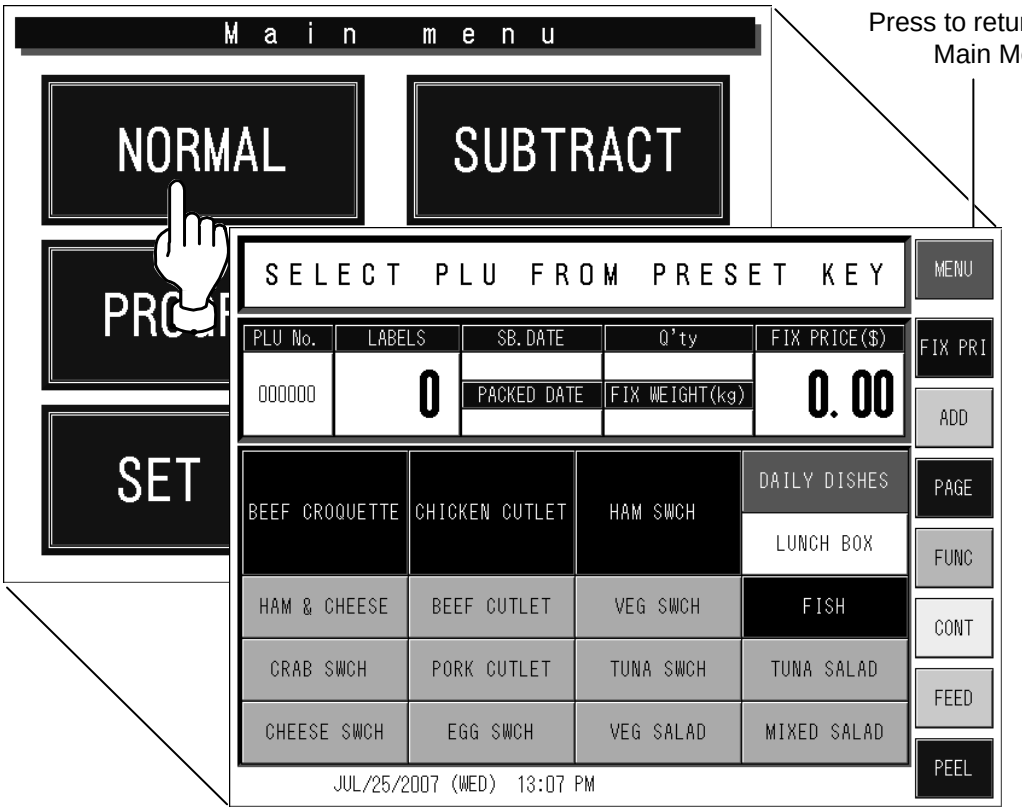
memo

Chapter 2

NORMAL MODE

2.1 NORMAL MODE ENTRY

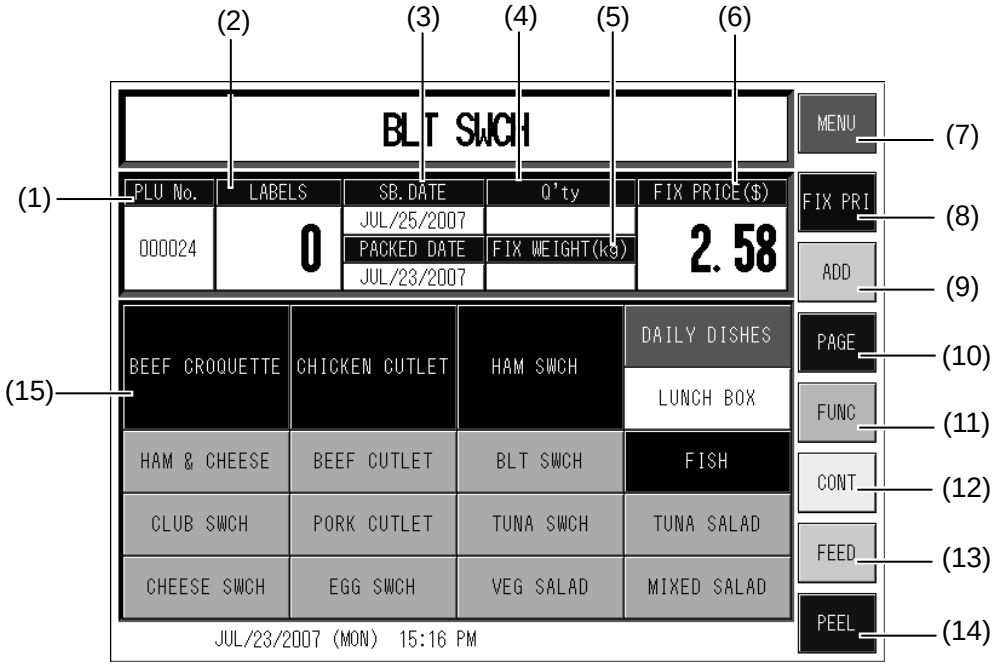
Normal MODE is used to perform daily operations. The initial screen appears on the display when the machine is turned on. To access the initial screen from the Main Menu screen, press the [NORMAL] button on the Main Menu.



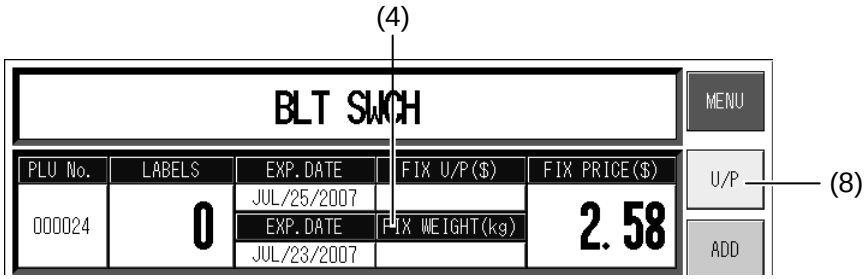
2.2 TOUCH BUTTONS AND DISPLAY FIELDS

2.2.1 TOUCH BUTTONS

■ Fixed Price Screen



■ Unit Price Screen



(1) Used to call up a product list.

(2) Used to display the number of labels.

(3) Used to change the date. Date change screen appears when pressed directly.

(4) Used to change the number of pieces for a fixed price product.

(5) Used to enter or change the weight of a product.

(6) Used to change the fixed price of a product.

(7) Used to display the main menu screen.

(8) Used to change from a fixed price sale to a unit price sale.

[FIXED PRICE] Used to sell a product at the fixed price.
[UNIT PRICE] Used to sell a product at the unit price.

(9) Used to select one of the following modes:

[ADD] Used to add the production data to totals.
[NO PRN] Used not to print labels.
[NO ADD] Used not to add the production data to totals.

(10) Used to change the page.

(11) Used to display the function page.

(12) Used to select continuous label issue or single label issue.

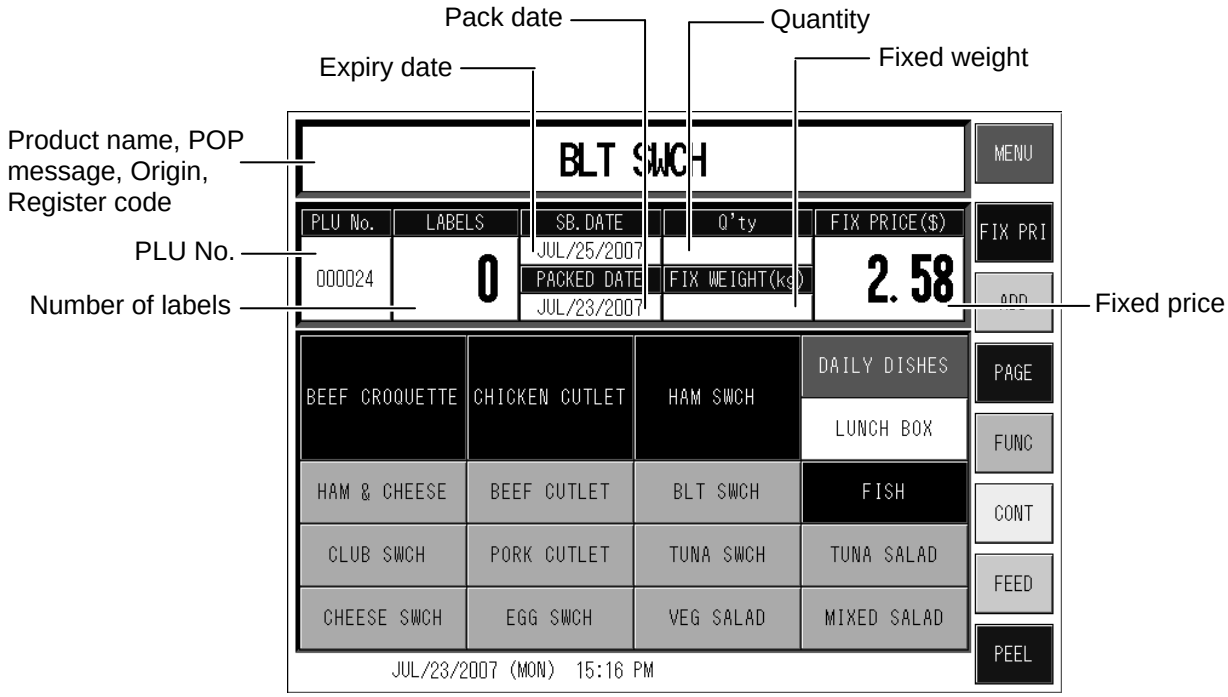
(13) Used to feed labels to adjust the print position.

(14) Used to select label issuing method, either labels are peeled off or issued with backing paper.

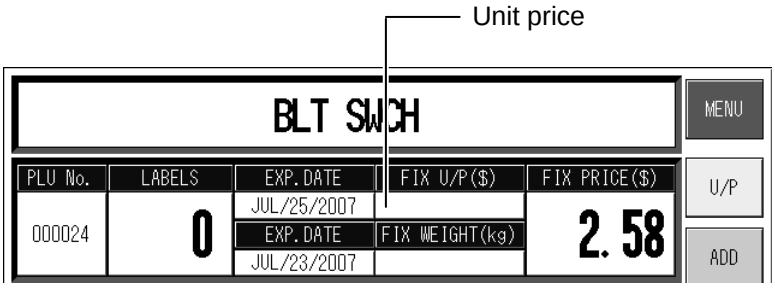
(15) Preset keys used when a product is selected.

2.2.2 DISPLAY FIELDS

■ Fixed Price Screen



■ Unit Price Screen



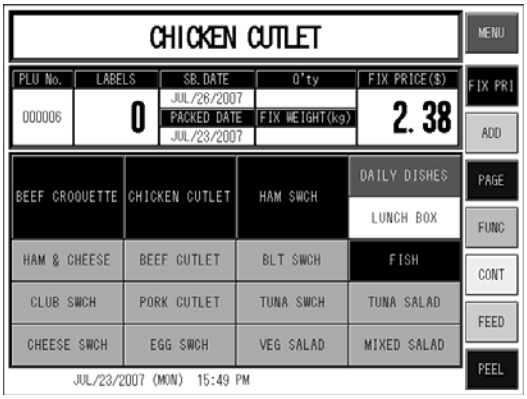
2.3 DAILY OPERATION FOR FIXED PRICE PRODUCTS

INFOR
You can also call up the desired product simply by pressing the preset key when registered beforehand.

1. **Enter a product number and press the [PLU] key on the keypad to call up the desired product.**

Example: PLU No. 6

[6] [PLU]



REFER
Refer to Section 2.6 for further information about temporary changes.

2. **Perform temporary changes when necessary.**

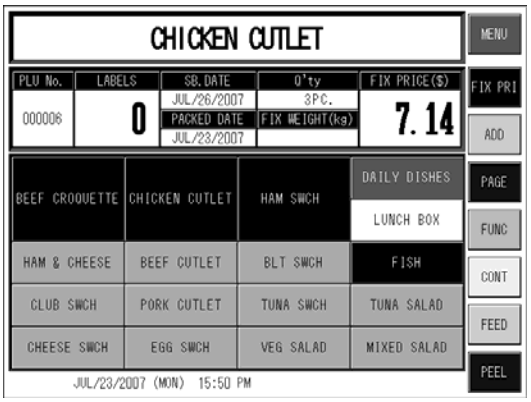
INFOR
When you want to change the quantity without changing the fixed price, enter "3" and press the [Q'ty] field.

3. **Enter the quantity when necessary.**

Example:
3 pieces in one package

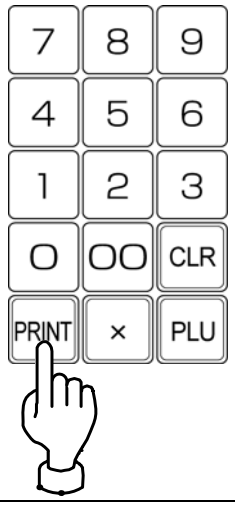
[3] [X]

The multiplied result is displayed in the fixed price field.



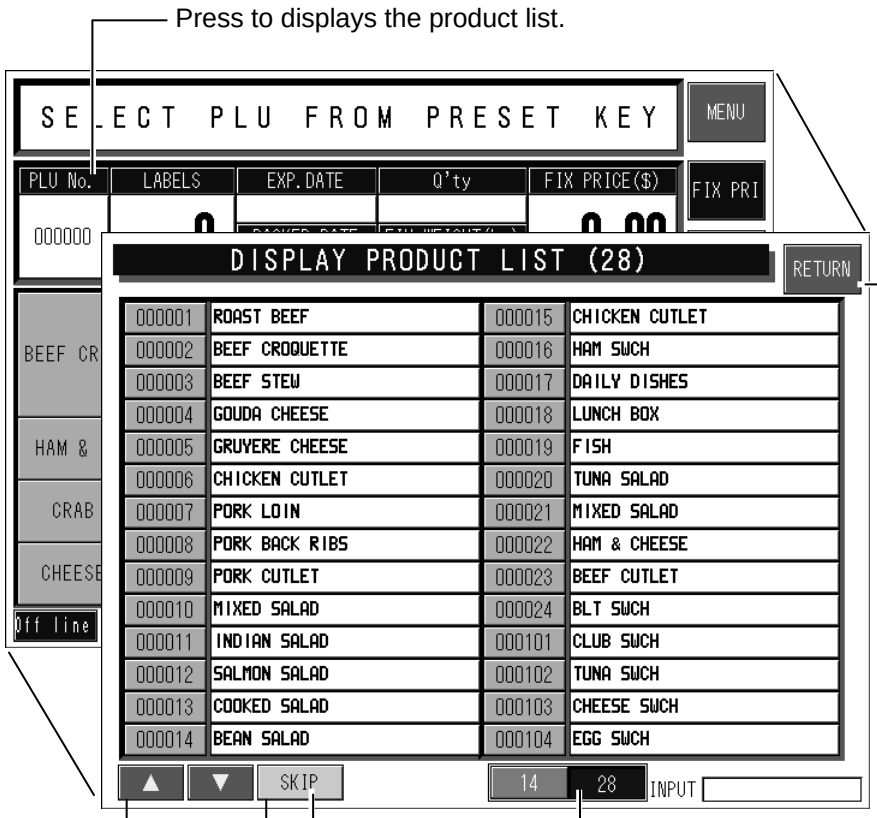
4. **Press the [PRINT] key on the keypad.**

Labels are issued.
To stop issuing labels, press the [CLR] key or [PRINT] key again.



2.4 PRODUCT CALL-UP FROM THE LIST

When you do not clearly remember the PLU number, you can display the product list with products around the input number and press to select the desired product on the screen.

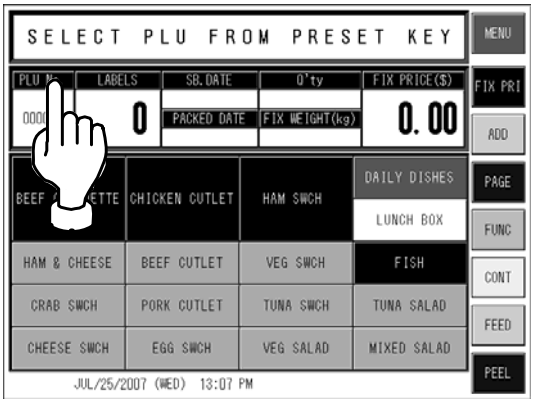


INFOR

When you enter a PLU number you think it might be somewhere around this number and press the [PLU No.] field on the screen, the product list will appear with products centering on the input number.

1. Press the [PLU No.] field on the screen.

The product list screen appears.



INFOR

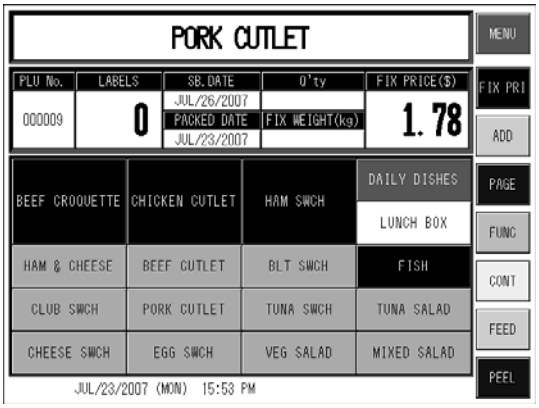
When you can not find the desired product on the current page, change the page using the [▲] and [▼] buttons.

2. Press to select the desired product on the list.

Example: PLU No.9

The product screen appears.

▼



INFOR

You can call up the desired product by entering the PLU number and pressing the [PLU] key on the keypad.

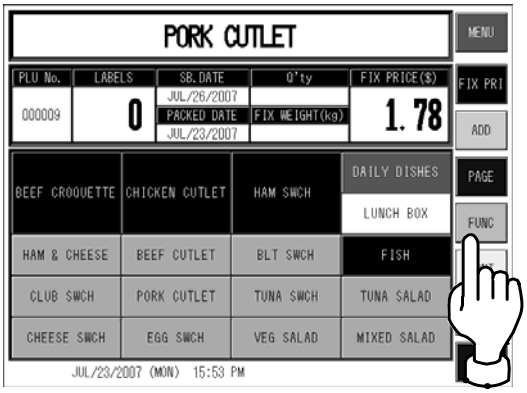
2.5 TEMPORARY CHANGES

You can perform temporary changes during operation when necessary. These changes will not be reflected on the registered product.

2.5.1 AMOUNT DISCOUNT

1. **Confirm that the desired product screen is displayed and press the [FUNCTION] button.**

The function list appears on the screen.



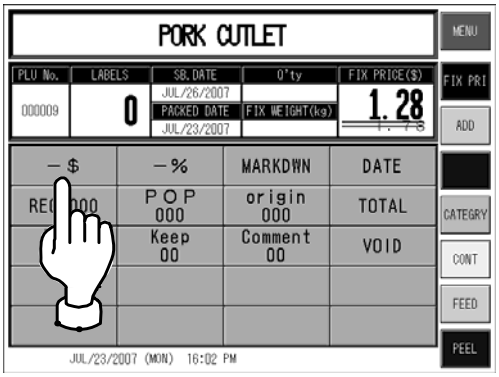
INFOR

Amount discount (-$) button must be registered on the function page beforehand.

2. **Enter the discount amount and press the [-$] button.**

Example:
Discount amount $0.50

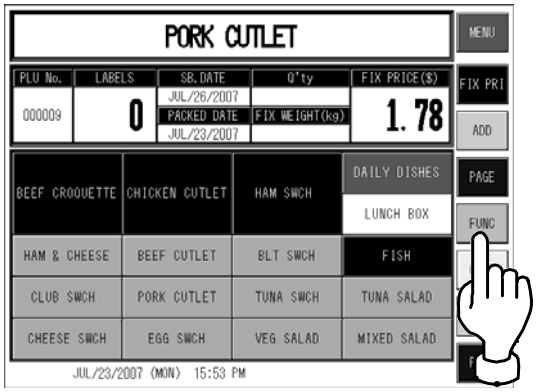
[5] [0] [-$]



2.5.2 PERCENT DISCOUNT

1. **Confirm that the desired product screen is displayed and press the [FUNCTION] button.**

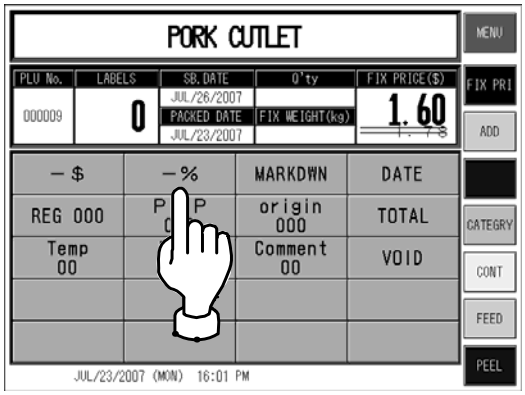
The function list appears on the screen.



2. **Enter the discount rate and press the [-%] button.**

Example: Discount rate 10%

[1] [0] [-%]



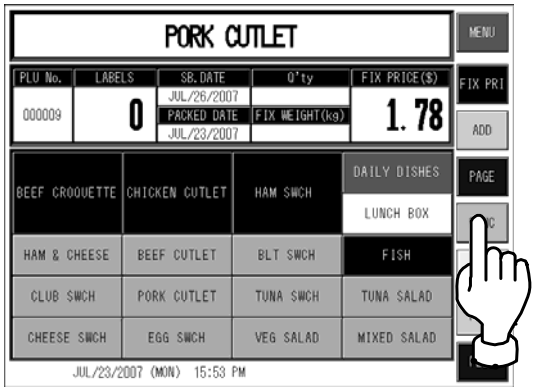
INFOR

Percent discount (-%) button must be registered on the function page beforehand.

2.5.3 MARKDOWN PRICE

1. **Confirm that the desired product screen is displayed and press the [FUNCTION] button.**

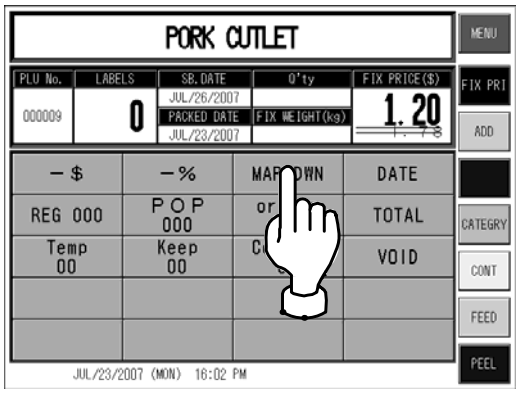
The function list appears on the screen.



2. **Enter the markdown price and press the [MARKDOWN] button.**

Example:
Markdown price $1.20

[1] [2] [0] [MARKDOWN]



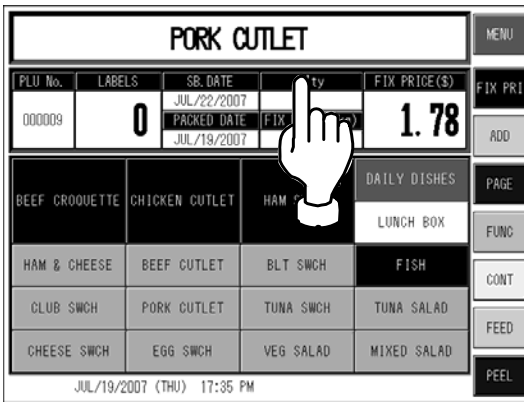
INFOR

Markdown button must be registered on the function page beforehand.

2.5.4 QUANTITY CHANGE

1. **Confirm that the desired product screen is displayed and press the [Q'ty] field.**

The quantity unit list appears.



INFOR

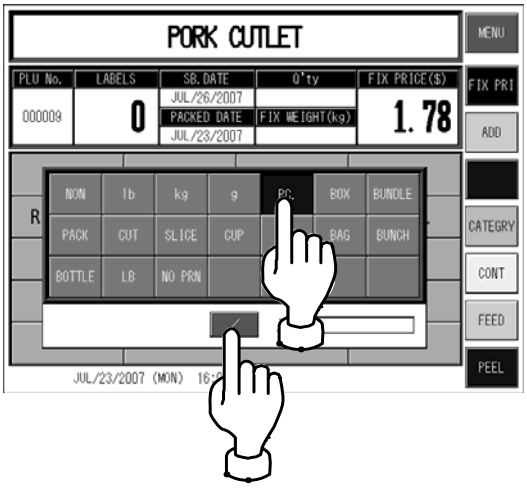
When changing the quantity unit only, press the desired unit button without entering a numeric value.

2. **Enter the markdown price and press the [MARKDOWN] button.**

Example:
Change quantity from "1 PC." to "1/2 PC."

[1] [/] [2]

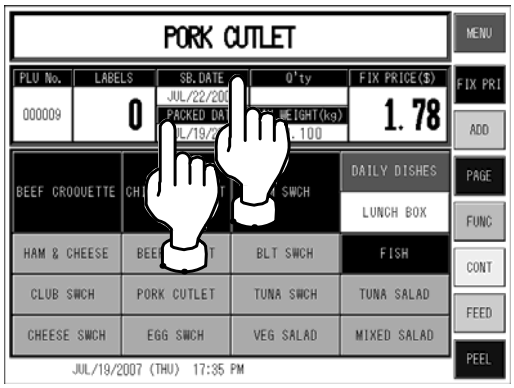
[PC.]



2.5.5 SB./PACKED DATE CHANGE

1. **Press the [SB. DATE] or [PACKED DATE] field.**

The date change screen appears.



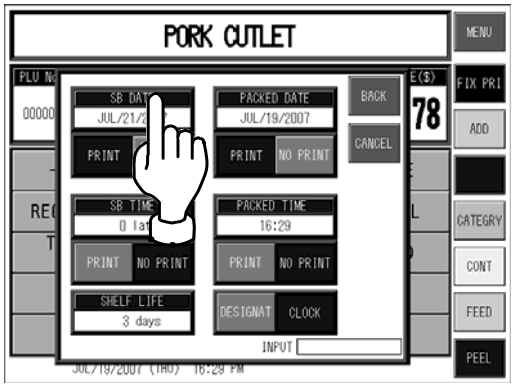
INFOR

Enter 8 digits when changing month, day, and year, 4 digits when changing month and day, or 2 digits when changing day.

2. **Change the date and press the [SB DATE] field.**

Example:
Change the expiry (sell-by) date from July 22, 2007 to July 21, 2007.

2 1



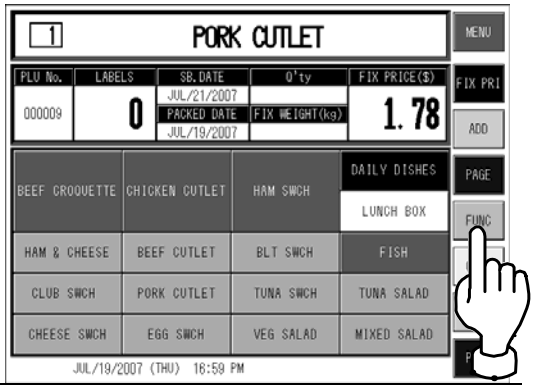
2.5.6 REGISTER CODE CHANGE

INFOR

Register code button must be registered on the function page beforehand.

1. **Confirm that the desired product screen is displayed and press the [FUNCTION] button.**

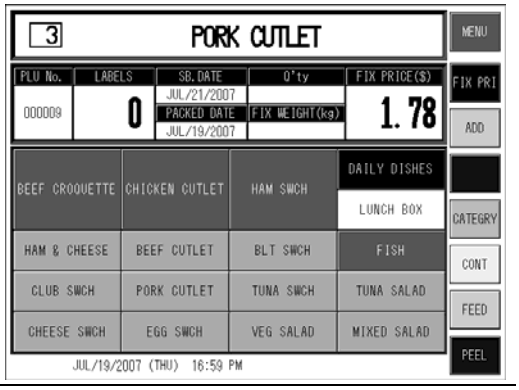
The function list appears.



2. **Change the data and press the [REG] field.**

Example:
Change the register code from "1" to "3".

3

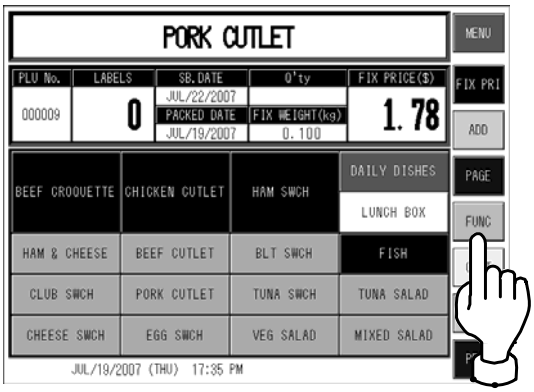


2.5.7 POP MESSAGE PRINT

INFOR
POP number button must be registered on the function page beforehand.

1. **Confirm that the desired product screen is displayed and press the [FUNCTION] button.**

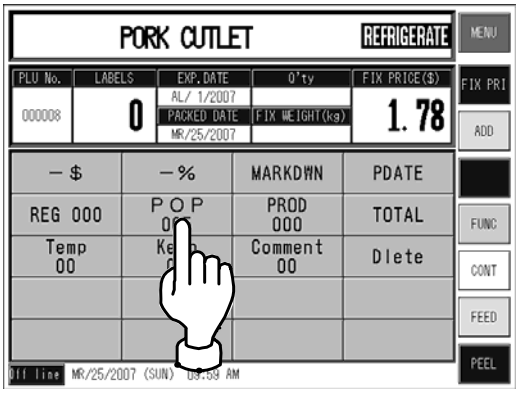
The function list appears.



2. **Change the POP message number and press the [POP] field.**

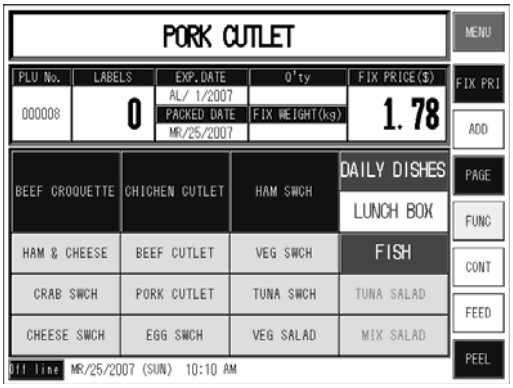
Example:
Change the POP number from "0" to "5".

5



2.5.8 FIXED WEIGHT PRINT

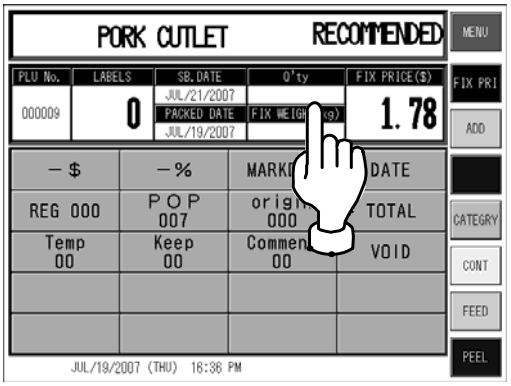
1. **Check that the desired product screen is displayed.**



2. **Enter the weight and press the [FIX WEIGHT] field.**

Example:
Print the fixed weight "100g" on labels.

1 0 0



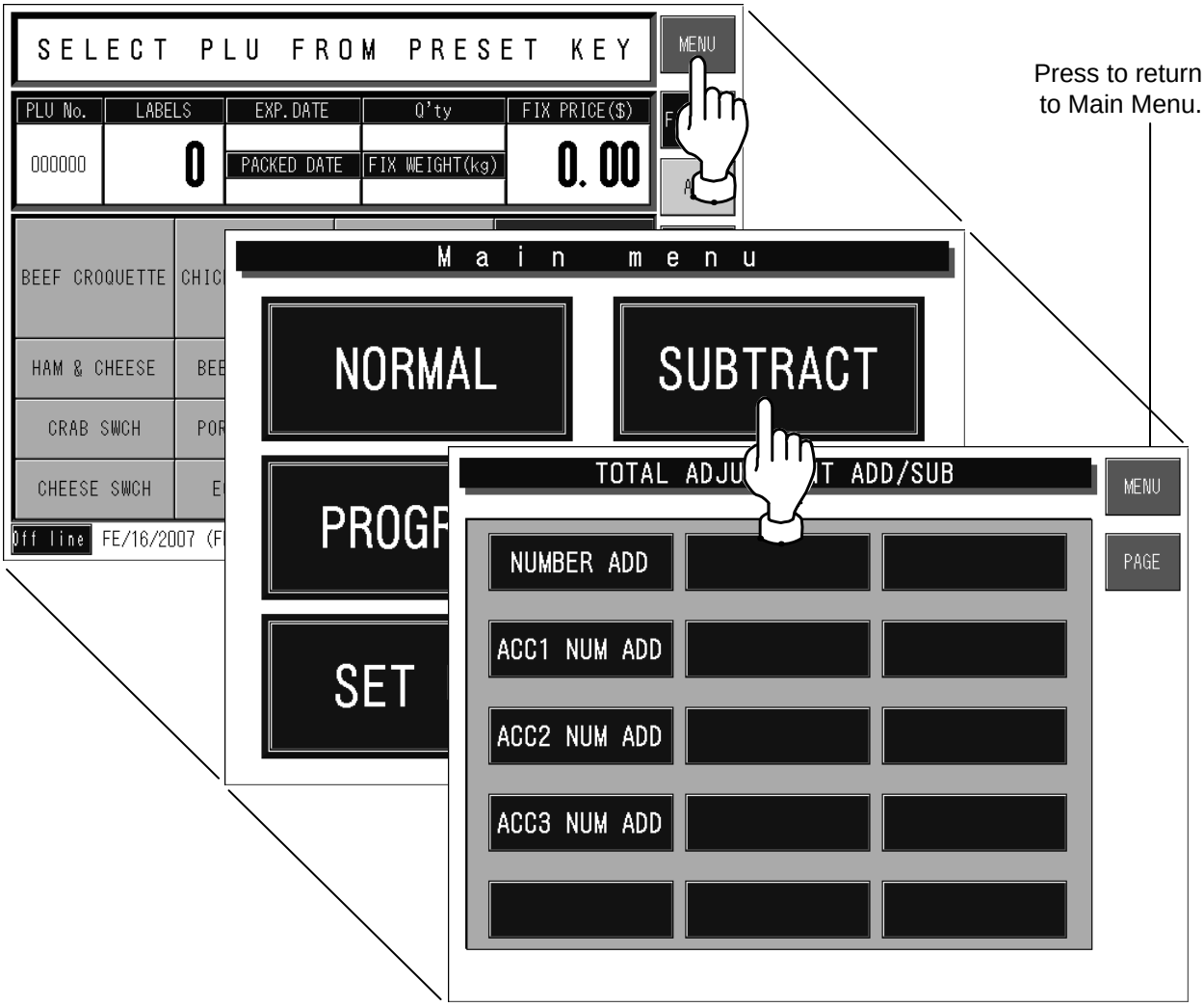
Chapter 3

SUBTRACT/ADD MENU

3.1 SUBTRACT/ADD MENU ENTRY

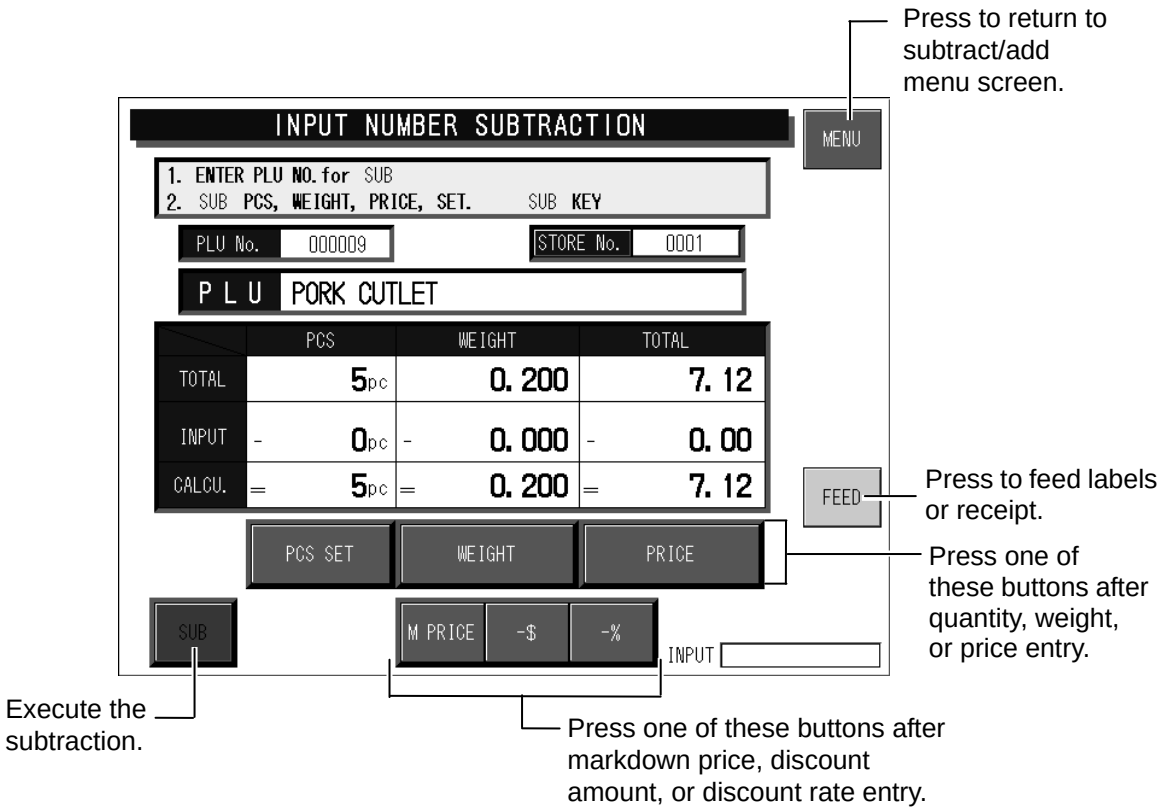
Subtract/Add Menu is used to subtract or add product data from or to production totals.
Press the [MENU] button on the initial screen and press the [SUBTRACT] button on the Main Menu to enter Subtract/Add Menu.

Note: When a password is programmed for accessing Subtract/Add Menu, enter the 6-digit password number using the keypad before pressing the [SUBTRACT] button.
See section 6-4 "Password Setting".



3.2 SUBTRACTION

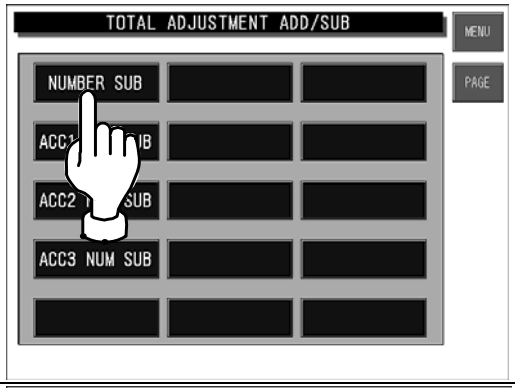
This function is to subtract quantity, weight, and price of a returned product from totals memorized in the machine.



Example: Subtract one piece of “Pork Cutlet” at the price of $1.00. (NUMBER SUB is used in this example.)

1. **Press the [SUBTRACT] button on the screen.**

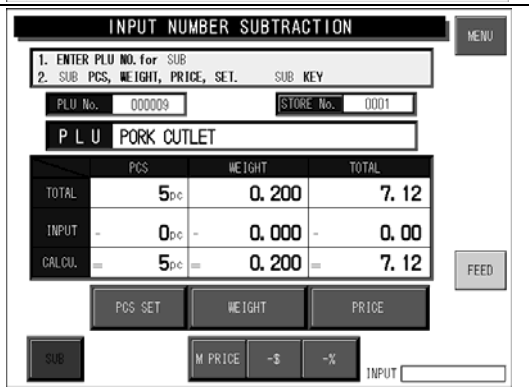
The subtraction screen appears.



2. **Call up the desired product for subtraction.**

9 PLU

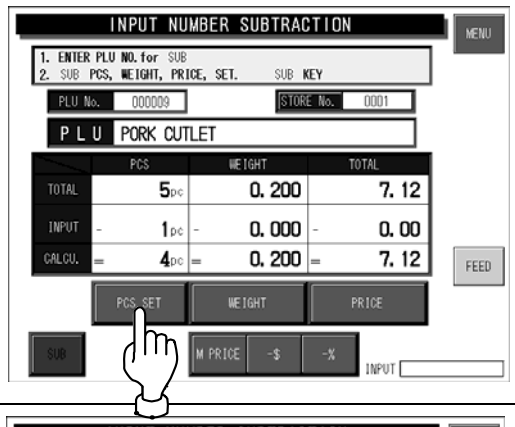
The product is called up and the data is displayed.



3. **Enter the quantity to be subtracted and press the [PCS SET] field.**

1 PCS SET

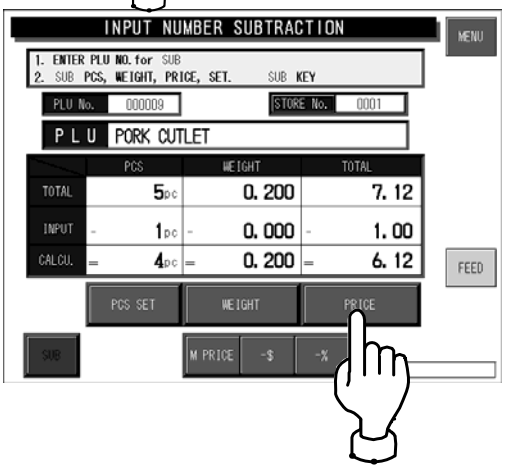
The quantity is subtracted and the calculated result is displayed in the result field.



4. **Enter the price to be subtracted and press the [PRICE] field.**

1 0 0 PRICE

The price is added and the calculated result is displayed in the result field.



If a discount or markdown price was applied on the objective product.

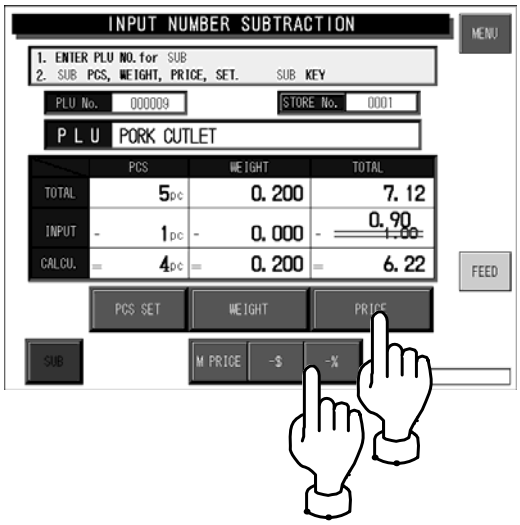
Example: 10% discounted

Enter the usual price first.

1 0 0 PRICE

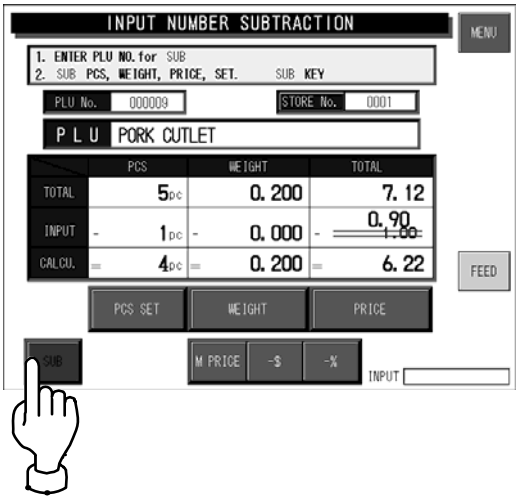
Then, enter the discount or markdown price.

1 0 -%

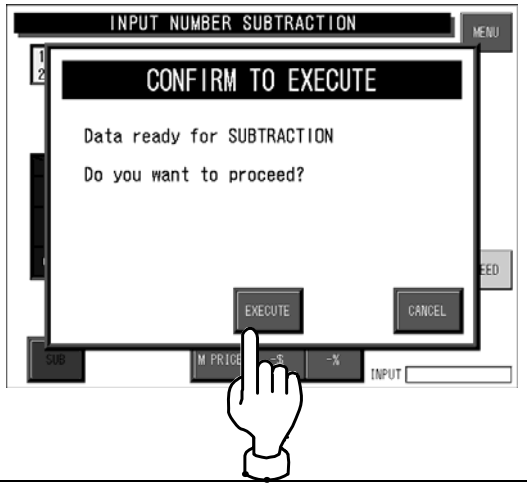


5. Press the [SUB] button.

The save confirmation screen appears.



6. Press the [EXECUTE] button to save the data.



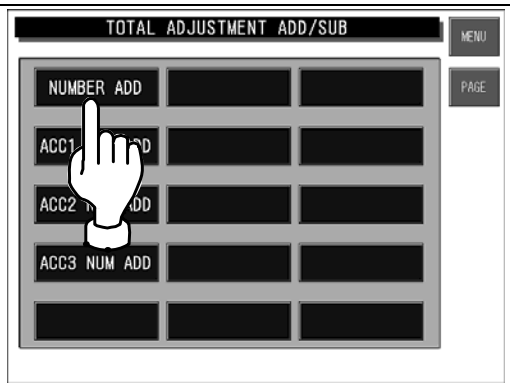
3.3 ADDITION

This function is to add quantity, weight, and price of a product to totals memorized in the machine.

Example: Add five pieces of “Pork Cutlet” at the total price of $5.00. (NUMBER ADD is used in this example.)

1. **Press the [ADD] button on the screen.**

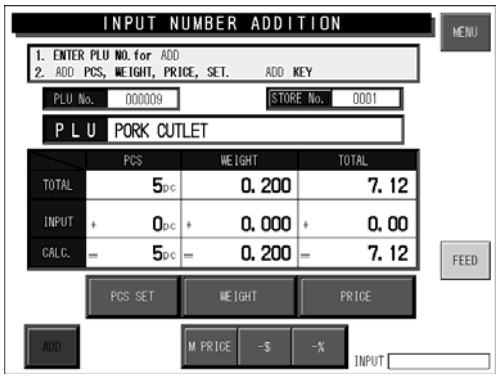
The addition screen appears.



2. **Call up the desired product for addition.**

9 PLU

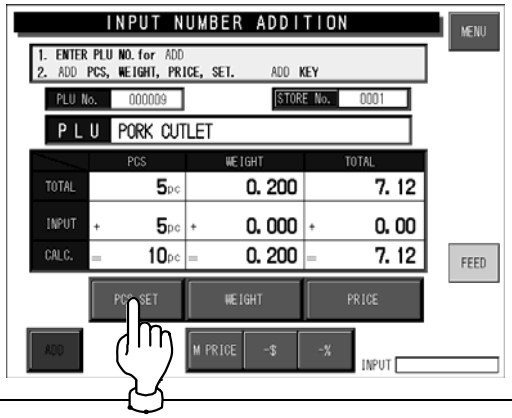
The product is called up and the data is displayed.



3. **Enter the quantity to be added and press the [PCS SET] field.**

5 PCS SET

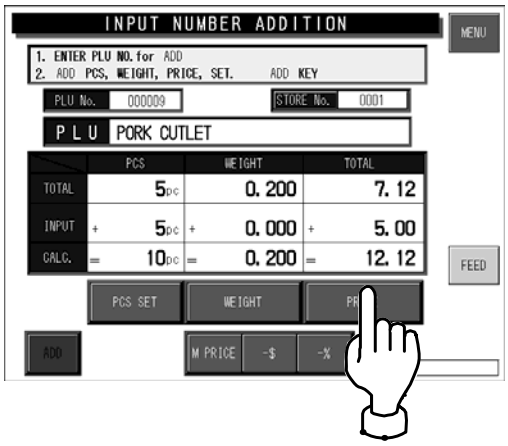
The quantity is added and the calculated result is displayed in the result field.



4. **Enter the price to be added and press the [PRICE] field.**

5 0 0 PRICE

The price is added and the calculated result is displayed in the result field.



If a discount or markdown price was applied on the objective product.

Example:

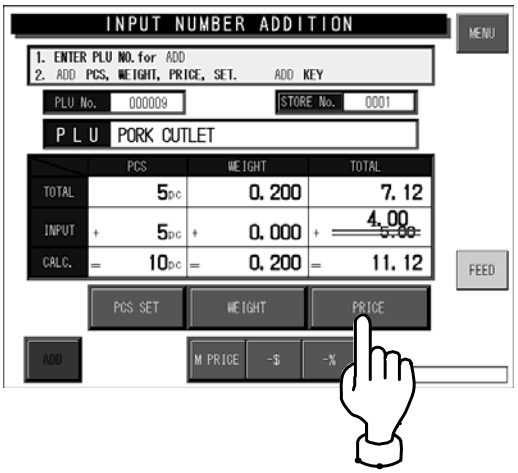
Markdown price $4.00

Enter the usual price first.

5 0 0 PRICE

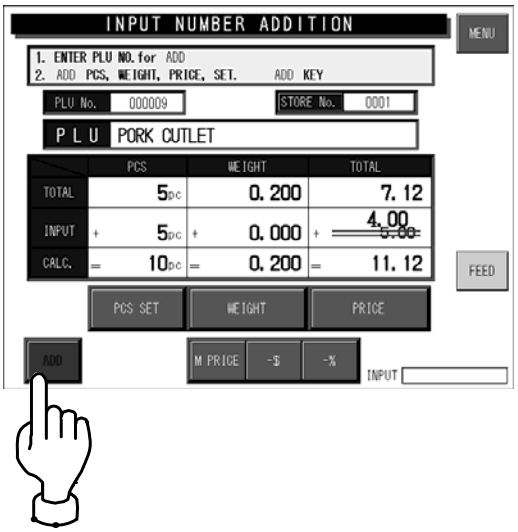
Then, enter the discount or markdown price.

4 0 0 PRICE

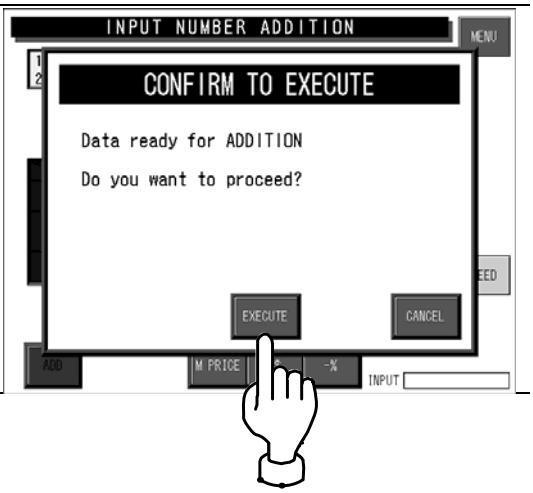


5. Press the [ADD] button.

The save confirmation screen appears.



6. Press the [EXECUTE] button to save the data.



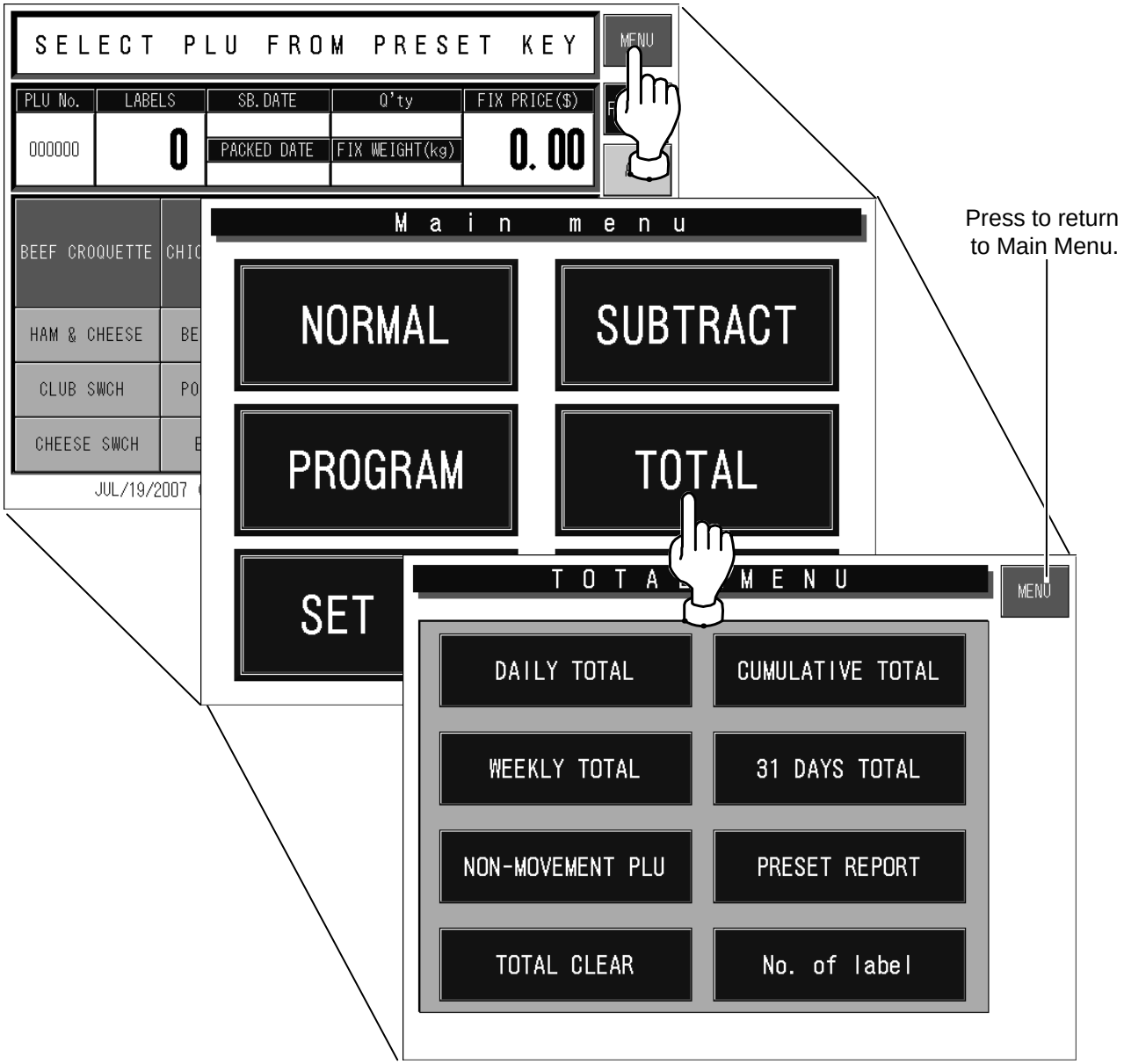
Chapter 4

TOTAL MENU

4.1 TOTAL MENU ENTRY

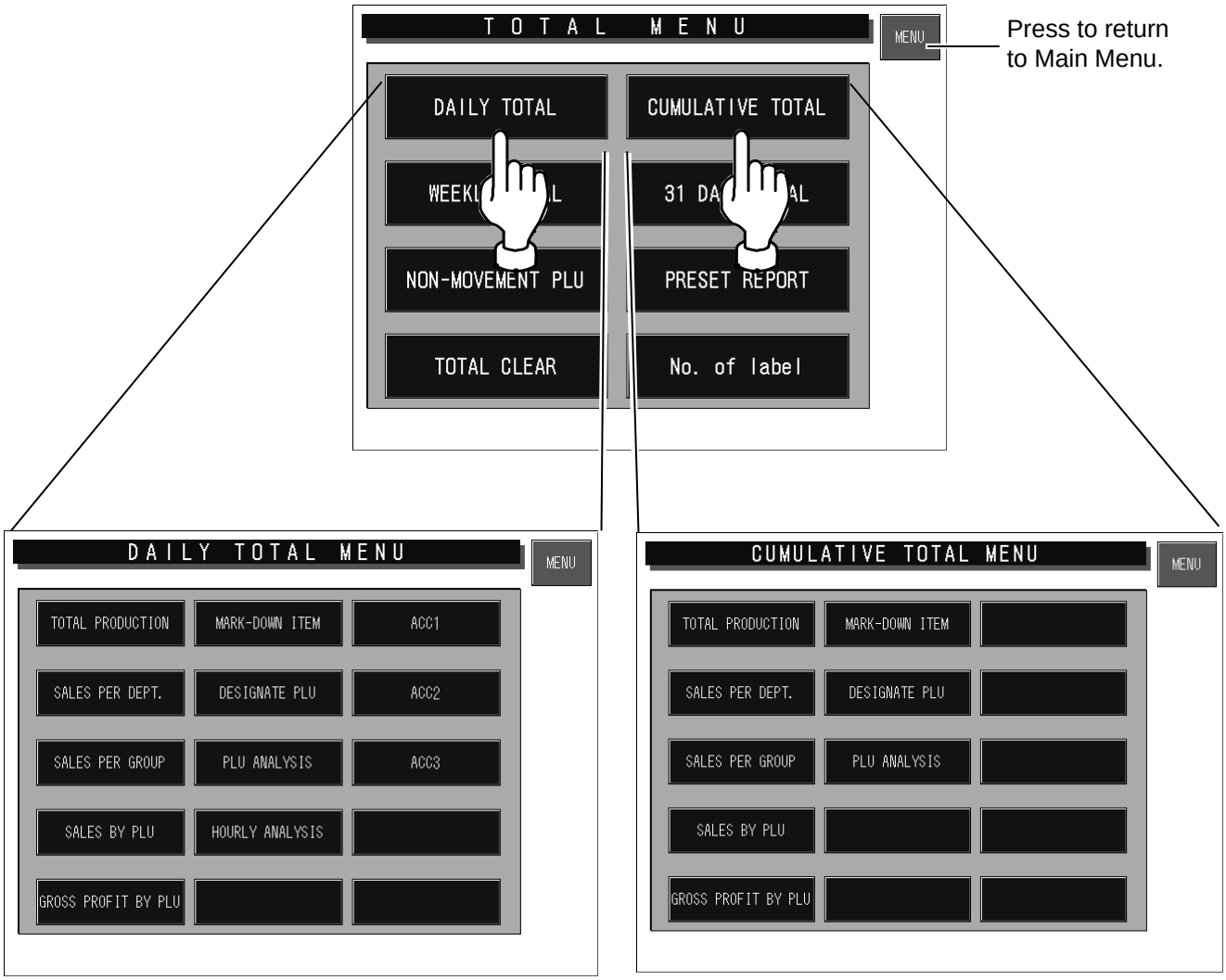
Various transaction totals can be obtained in Total Menu. Press the [MENU] button on the initial screen and press the [TOTAL] button on the Main Menu to enter Total Menu.

Note: When a password is programmed for accessing Total Menu, enter the 6-digit password number using the keypad before pressing the [TOTAL] button.
See section 6-4 "Password Setting".



4.2 DAILY / CUMULATIVE TOTALS

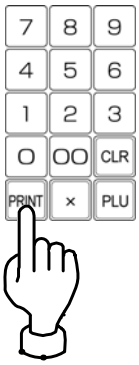
Totals of various transactions performed on that day or for a certain period of time can be obtained. Press the [DAILY TOTAL] or [CUMULATIVE TOTAL] button on the Total Menu screen to display either Daily Total Menu or Cumulative Total Menu.



4.2.1 TOTAL PRODUCTION

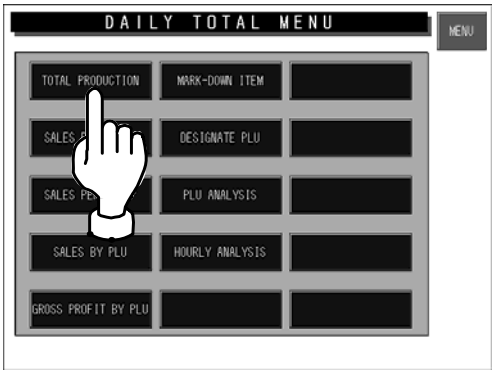
MEMO

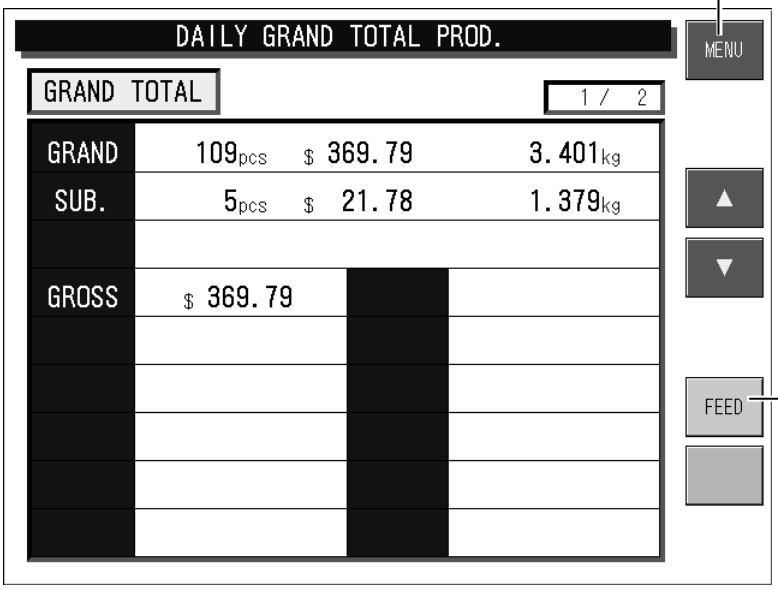
To print the total data, press the [PRINT] key on the keypad.



Press the [TOTAL PRODUCTION] button.

"Total Production" screen appears (Daily Total Menu is used in this example).





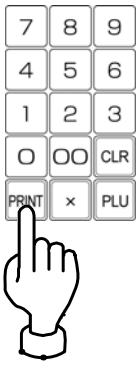
Press to return to Daily or Cumulative Total Menu.

Press to feed labels.

4.2.2 SALES PER DEPARTMENT

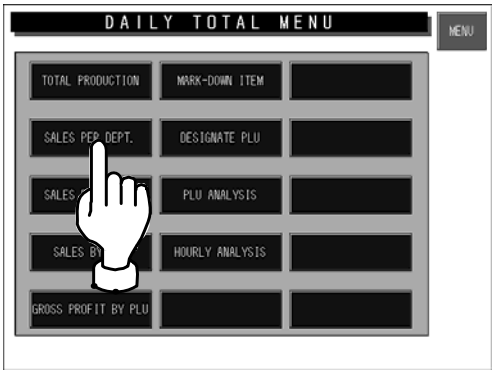
MEMO

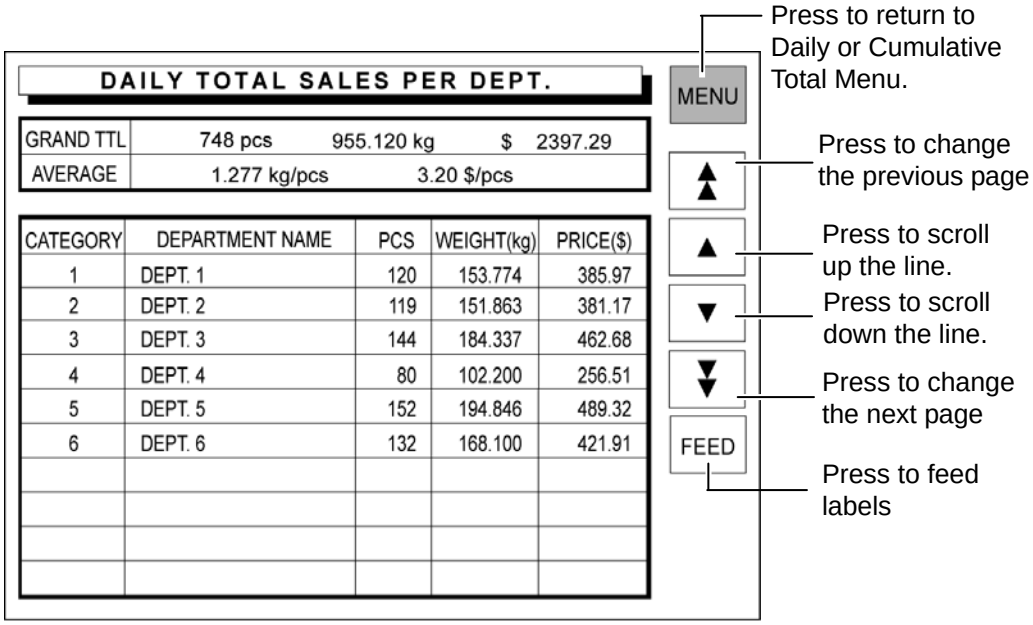
To print the total data, press the [PRINT] key on the keypad.



Press the [TOTAL SALES PER DEPT] button.

"Total Sales per Department" screen appears (Daily Total Menu is used in this example).

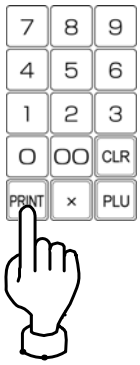




4.2.3 TOTAL SALES PER GROUP

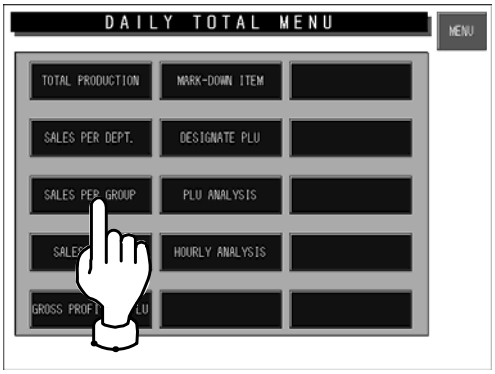
MEMO

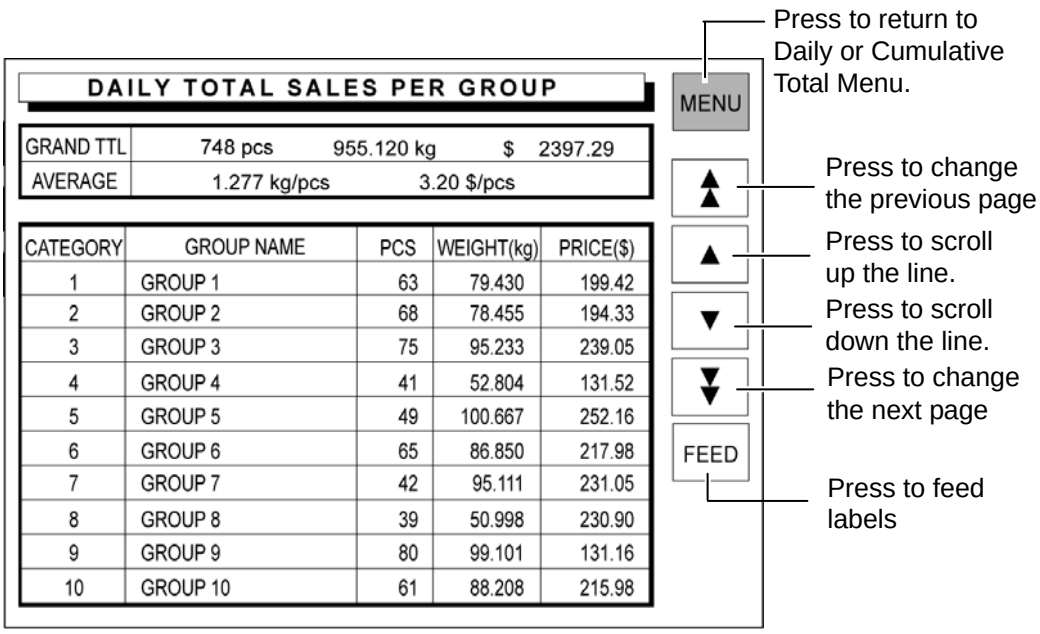
To print the total data, press the [PRINT] key on the keypad.



Press the [SALES PER GROUP] button.

"Total Sales per Group" screen appears (Daily Total Menu is used in this example).

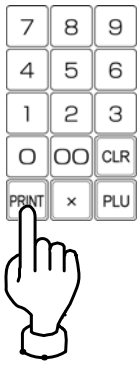




4.2.4 TOTAL SALES BY PLU

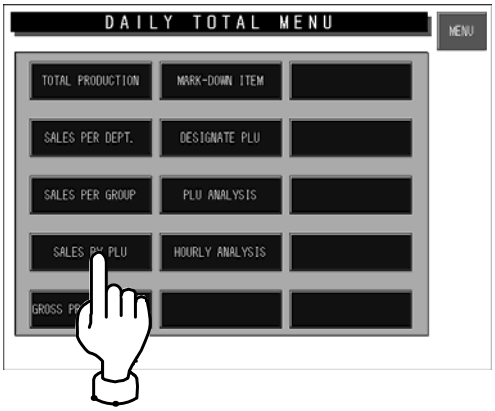
MEMO

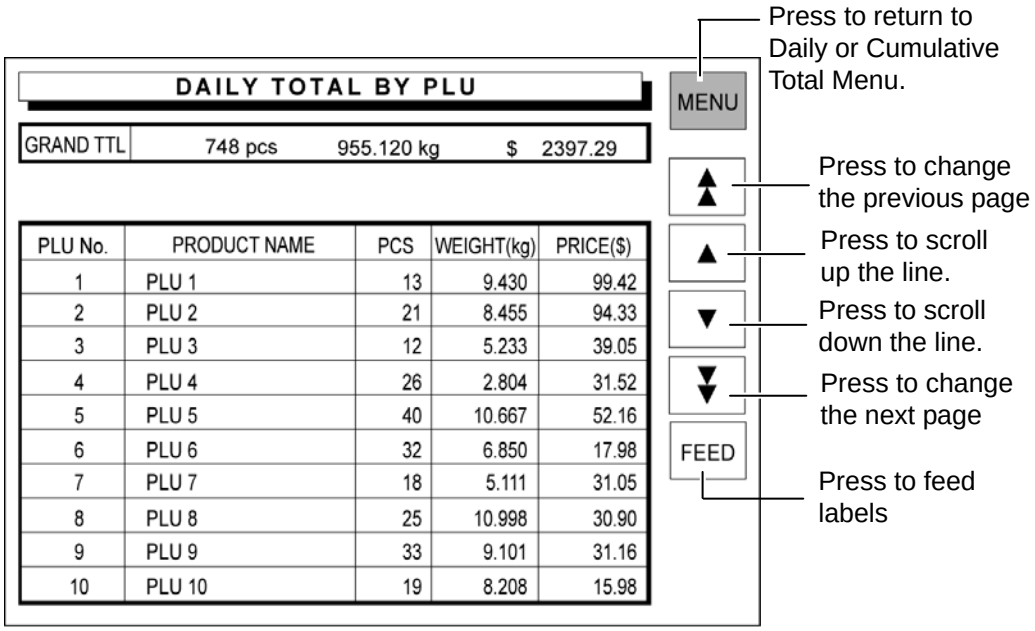
To print the total data, press the [PRINT] key on the keypad.



Press the [SALES BY PLU] button.

"Total Sales by PLU" screen appears (Daily Total Menu is used in this example).

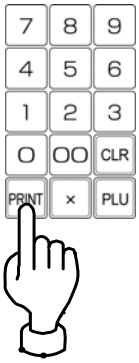




4.2.5 TOTAL GROSS PROFIT BY PLU

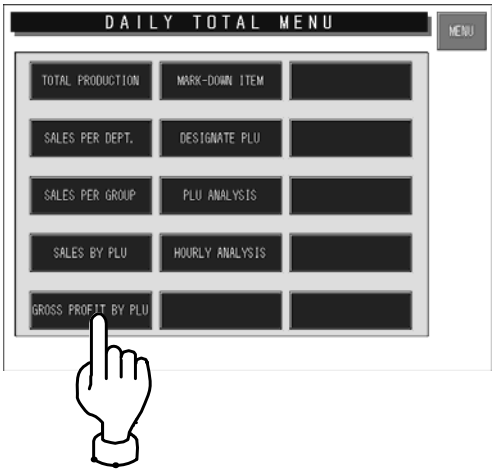
MEMO

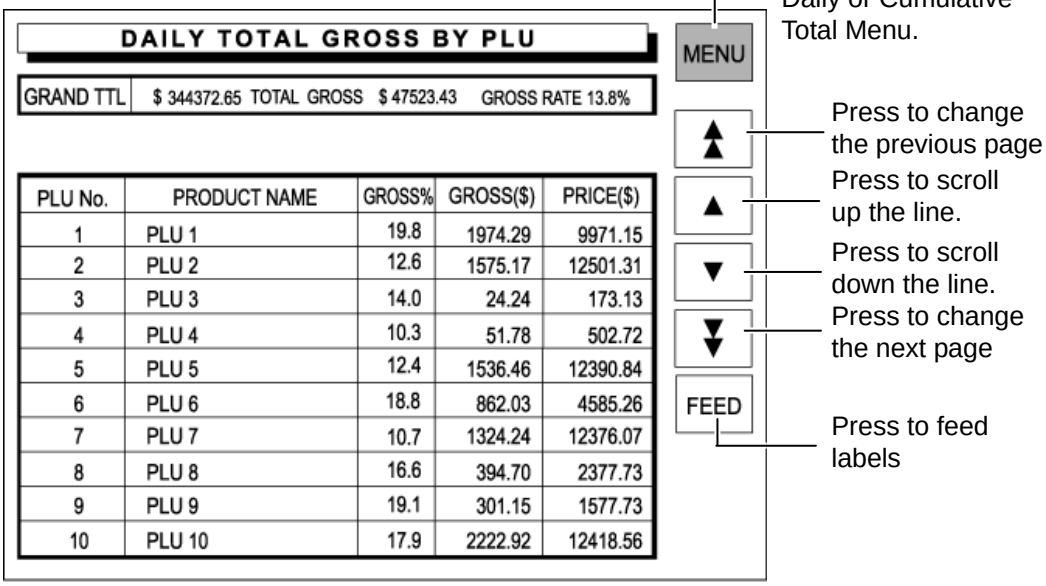
To print the total data, press the [PRINT] key on the keypad.



Press the [GROSS PROFIT BY PLU] button.

"Total Gross Profit by PLU" screen appears (Daily Total Menu is used in this example).

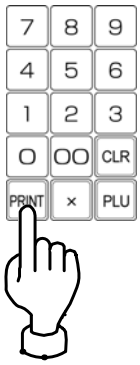




4.2.6 TOTAL MARKDOWN ITEM

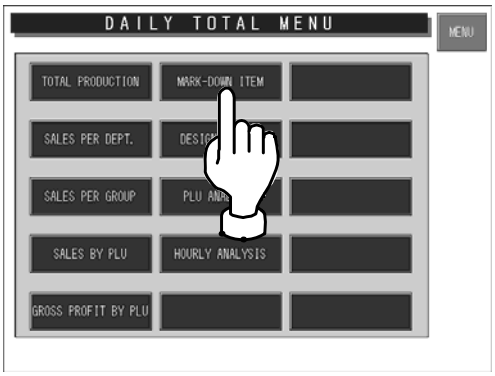
MEMO

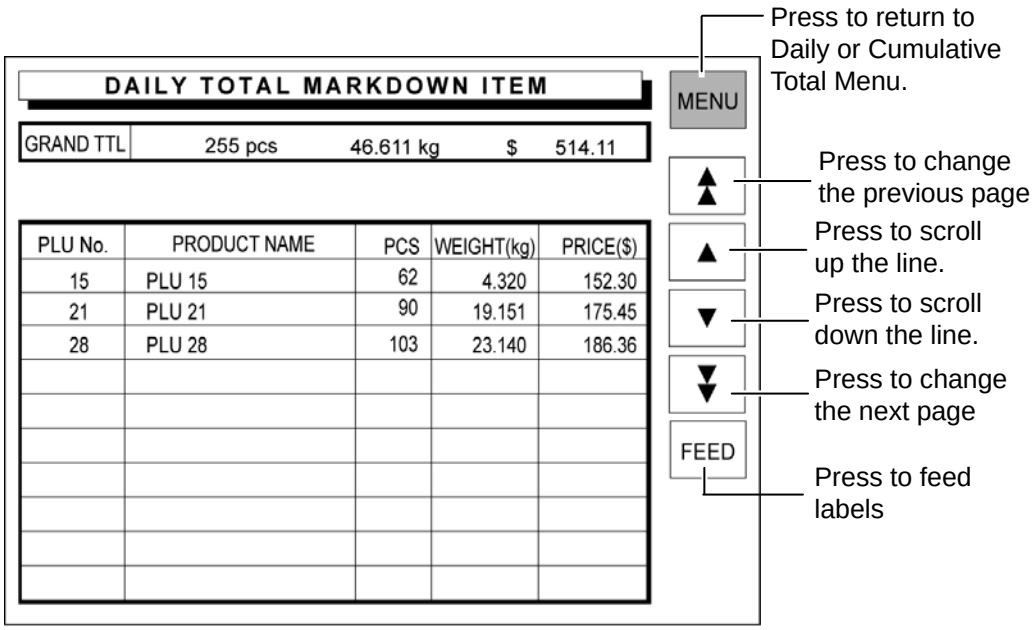
To print the total data, press the [PRINT] key on the keypad.



Press the [MARKDOWN ITEM] button.

"Total Markdown Item" screen appears (Daily Total Menu is used in this example).

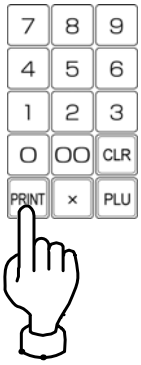


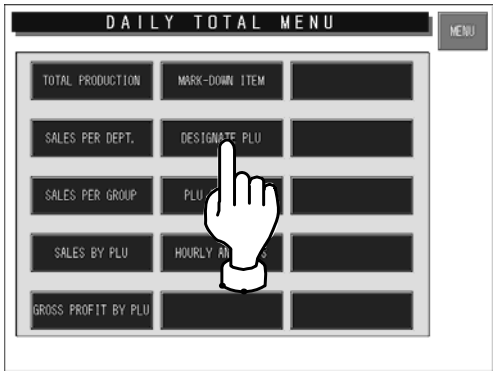


4.2.7 TOTAL DESIGNATED PLU

1. **Press the [DESIGNATE PLU] button.**
"Total Designated PLU" screen appears (Daily Total Menu is used in this example).

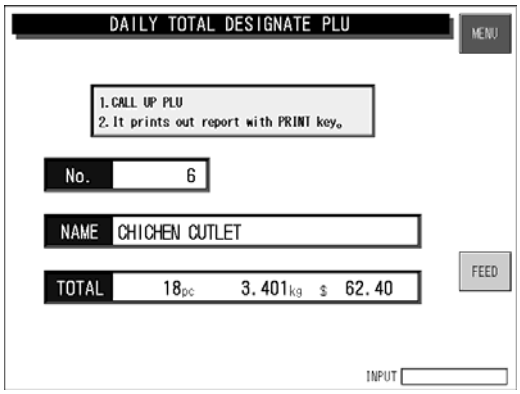
MEMO
To print the total data, press the [PRINT] key on the keypad.

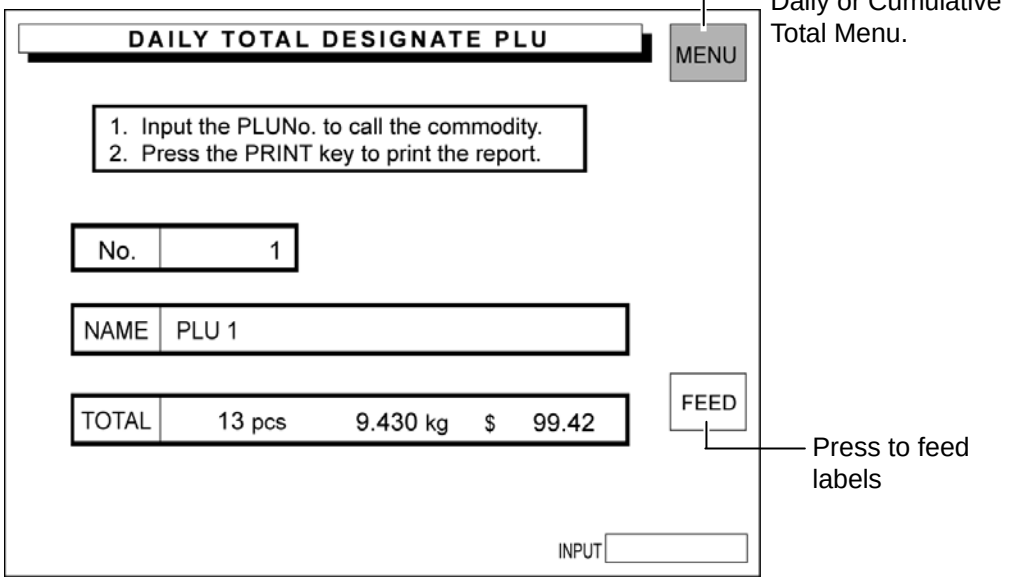




2. **Call up the desired item.**

0 ●●● 9 PLU



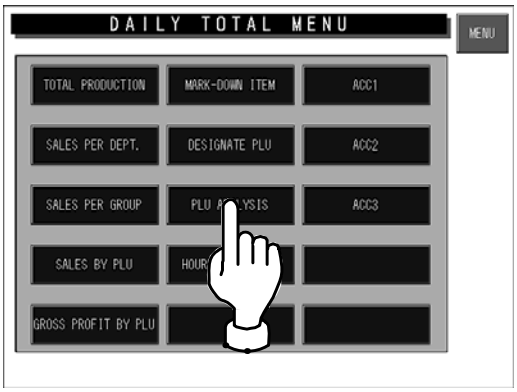


Press to return to Daily or Cumulative Total Menu.

Press to feed labels

4.2.8 TOTAL PLU ANALYSIS

1. **Press the [PLU ANALYSIS] button.**
"Daily Total PLU Analysis" screen appears (Daily Total Menu is used in this example).

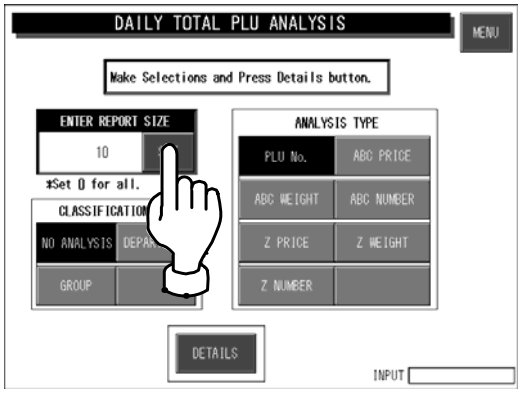


INFOR
When "0" is set, all PLUs are selected.

2. **Set the number of items to be analyzed.**

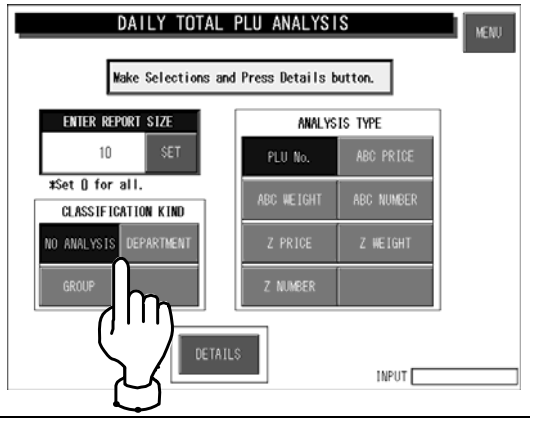
Up to 6 digits can be entered.

0 ●●● 9 SET

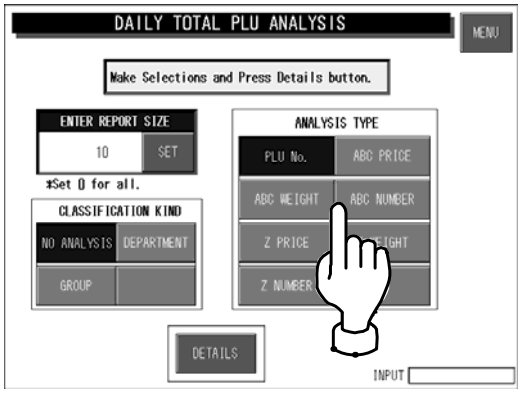


3. **Press the desired button to select the classification kind.**

NO ANALYSIS	No classification
DEPARTMENT	By department
GROUP	By group



4. **Press the desired button to select the analysis type.**



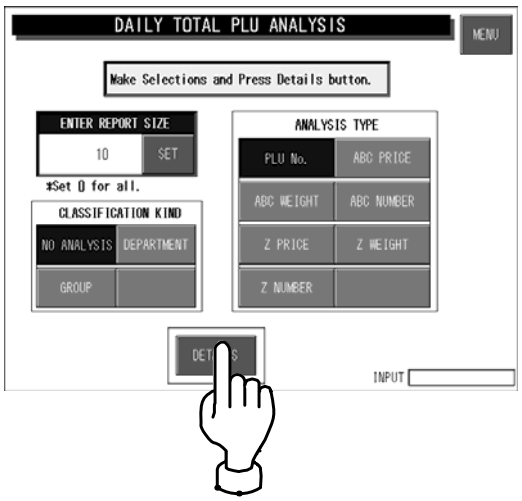
PLU No.	In numeric order
ABC PRICE	In descending price order
ABC WEIGHT	In descending weight order
ABC NUMBER	In descending quantity order
Z PRICE	In ascending price order
Z WEIGHT	In ascending weight order
Z NUMBER	In ascending quantity order

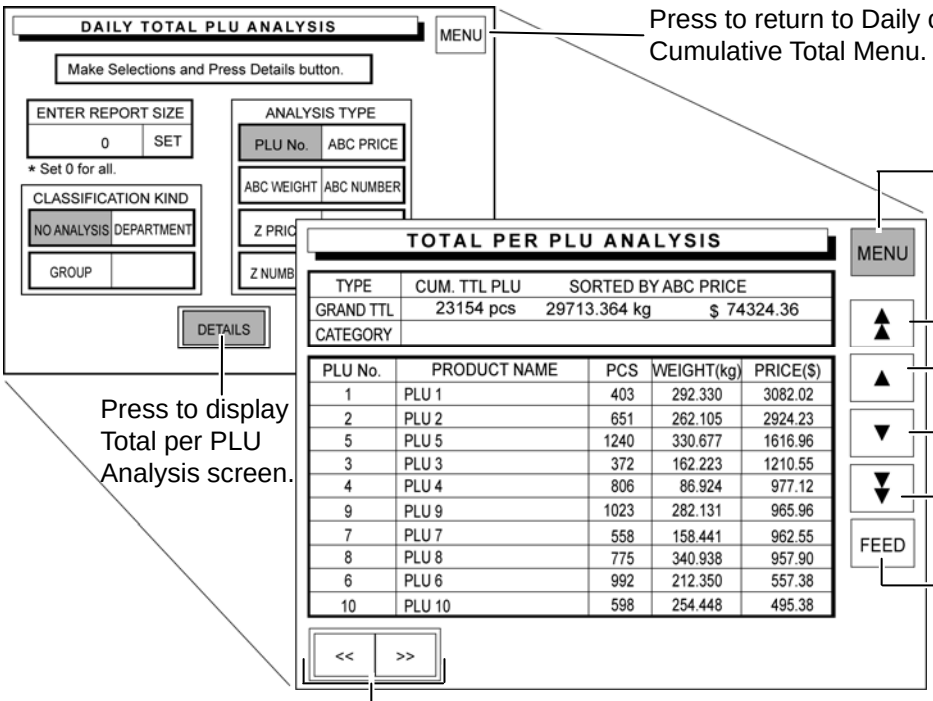
INFOR

To print the total data, press the [PRINT] key on the keypad.

5. **Press the [DETAILS] button.**

"Total per PLU Analysis" screen appears as shown above.





Press to return to Daily or Cumulative Total Menu.

Press to return to Daily Total PLU Analysis screen.

Press to change the previous page

Press to scroll up the line.

Press to scroll down the line.

Press to change the next page

Press to feed labels

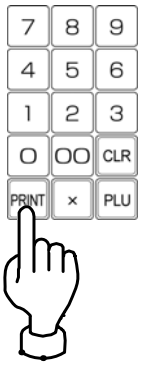
Press to display Total per PLU Analysis screen.

Press to display analysis data for each category number.

4.2.9 DAILY TOTAL HOURLY ANALYSIS

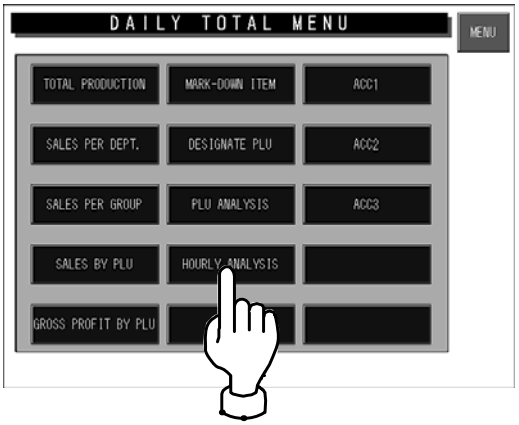
INFOR

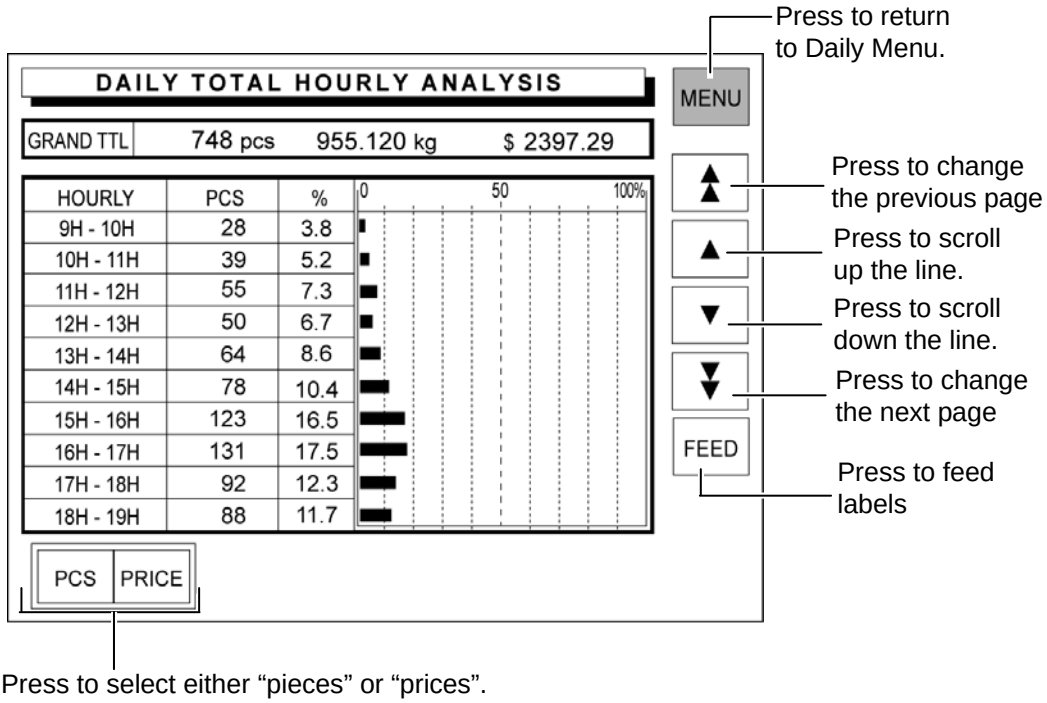
To print the total data, press the [PRINT] key on the keypad.



Press the [HOURLY ANALYSIS] button.

"Daily Total Hourly Analysis" screen appears.





Press to return to Daily Menu.

Press to change the previous page

Press to scroll up the line.

Press to scroll down the line.

Press to change the next page

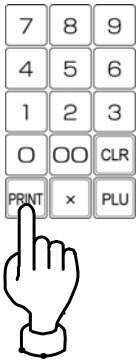
Press to feed labels

Press to select either "pieces" or "prices".

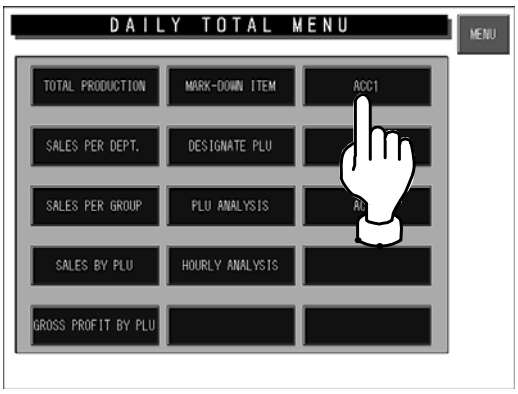
4.2.10 ACC

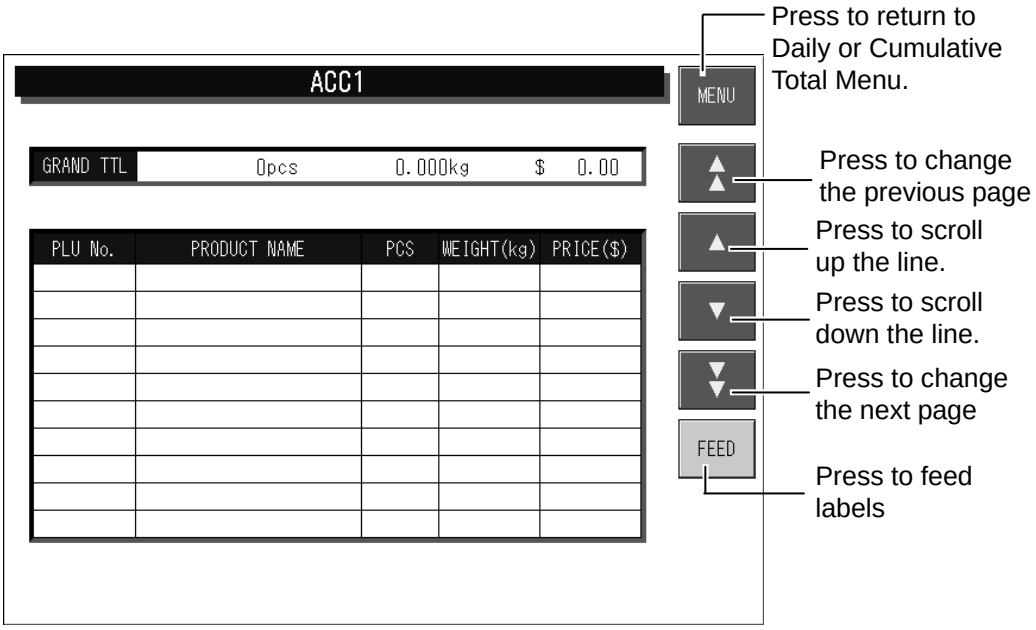
MEMO

To print the total data, press the [PRINT] key on the keypad.



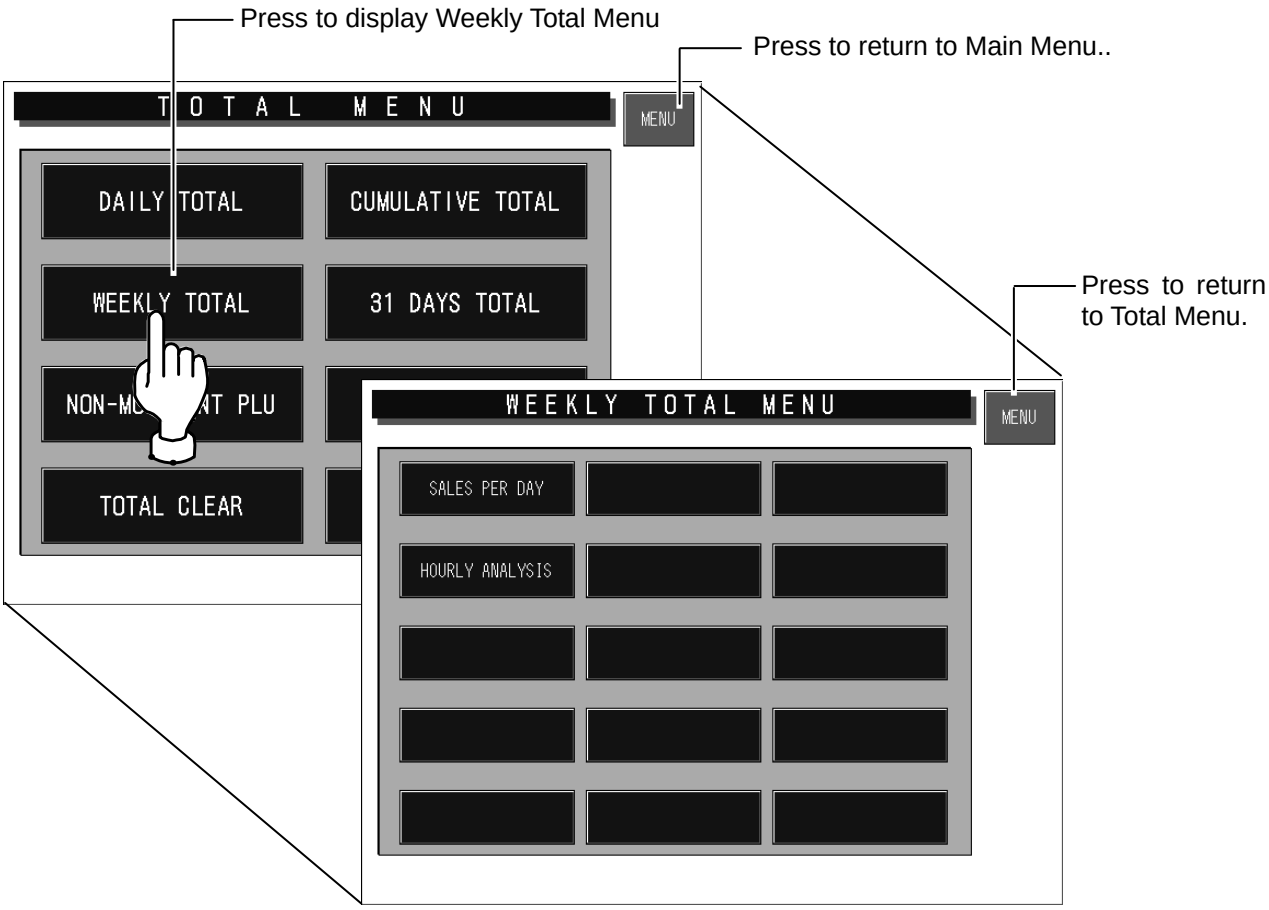
Press the [MARKDOWN ITEM] button.
"ACC1" screen appears





4.3 WEEKLY TOTAL

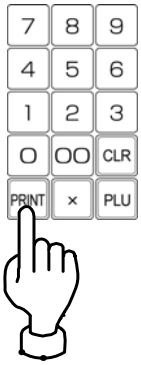
Totals of various transactions performed for a week can be obtained.
Press the [Weekly] button on the Total Menu screen to display Weekly Total Menu.



4.3.1 SALES PER DAYS OF THE WEEK

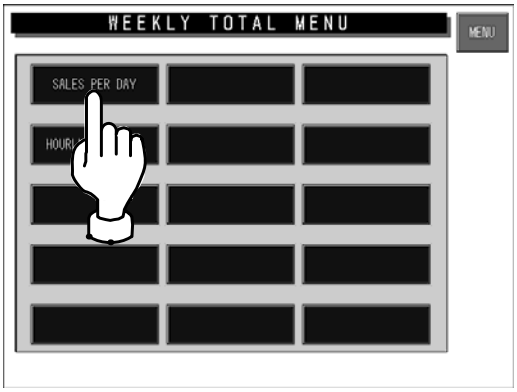
INFOR

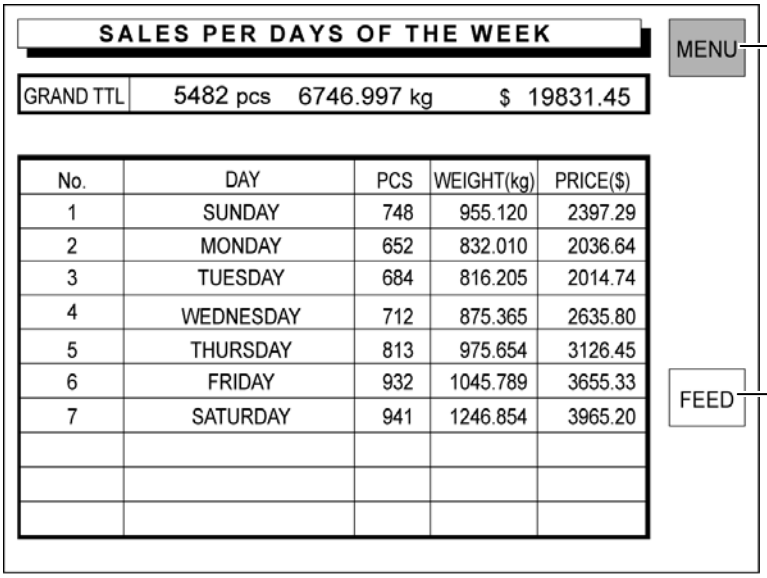
To print the total data, press the [PRINT] key on the keypad.



Press the [SALES PER DAY] button.

"Sales per Days of the Week" screen appears as shown above.





No.	DAY	PCS	WEIGHT(kg)	PRICE($)
1	SUNDAY	748	955.120	2397.29
2	MONDAY	652	832.010	2036.64
3	TUESDAY	684	816.205	2014.74
4	WEDNESDAY	712	875.365	2635.80
5	THURSDAY	813	975.654	3126.45
6	FRIDAY	932	1045.789	3655.33
7	SATURDAY	941	1246.854	3965.20

Press to return to Weekly Total Menu.

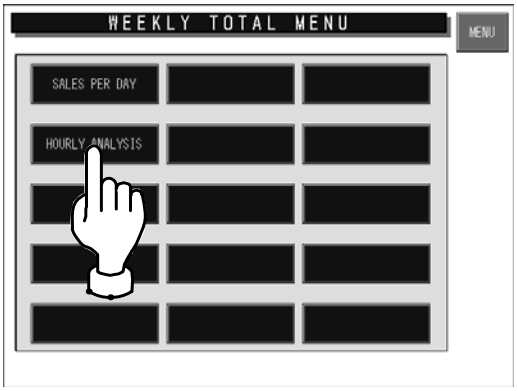
Press to feed the receipt.

4.3.2 HOURLY ANALYSIS OF THE WEEK

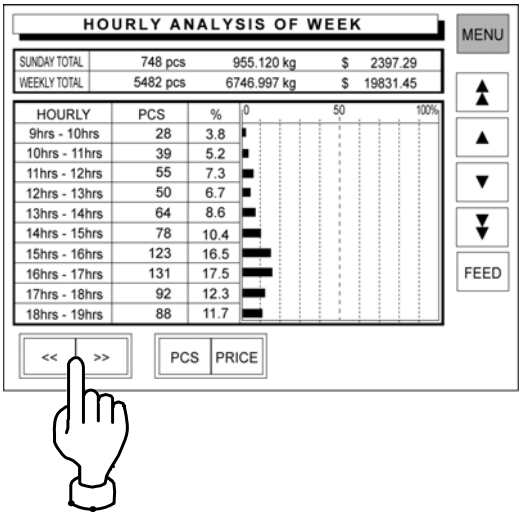
A day is delimited every hour, and the daily sales data either in price or quantity is displayed for each hourly zone in graphs.

1. **Press the [HOURLY ANALYSIS] button.**

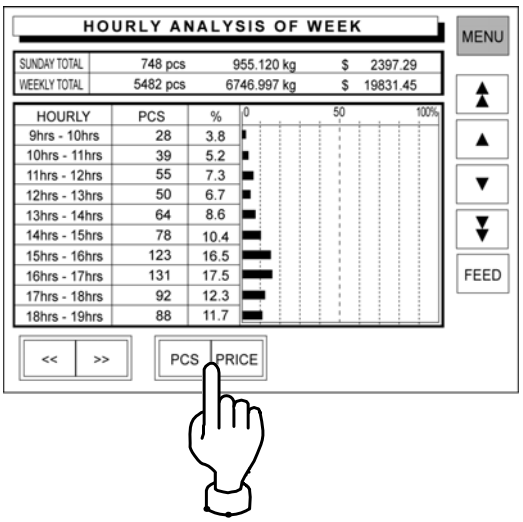
"Hourly Analysis of the Week" screen appears as shown above.



2. **Use the [<<] or [>>] button to select the desired day of the week.**

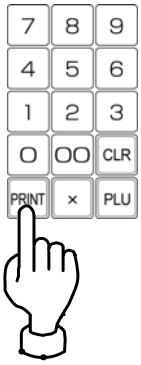


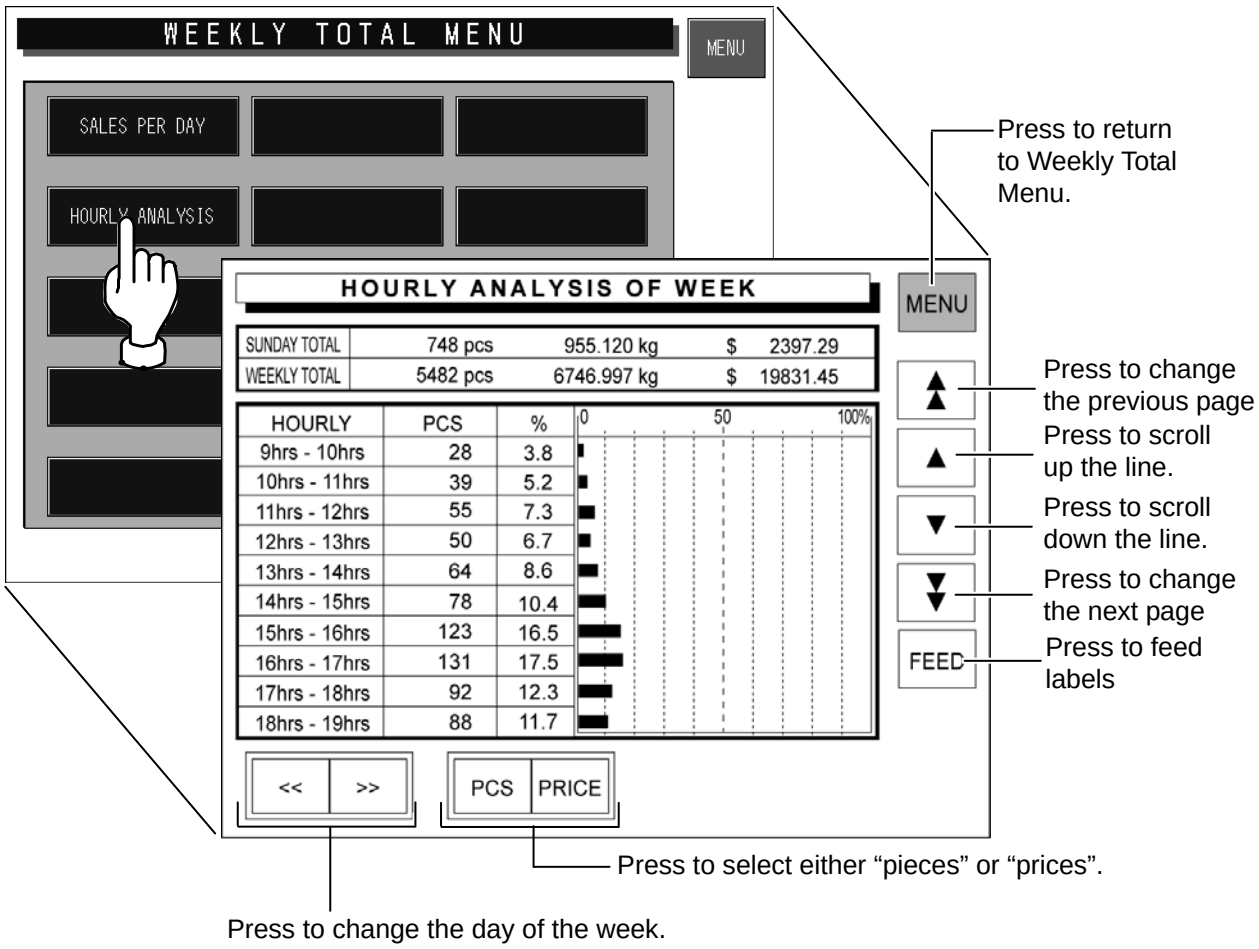
3. **Press to select either [PCS] or [PRICE] button.**



INFOR

To print the total data, press the [PRINT] key on the keypad.



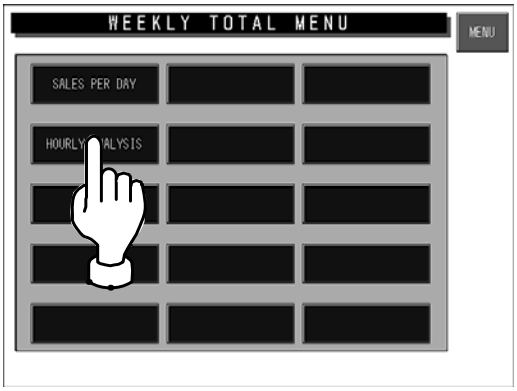

WEEKLY TOTAL MENU
MENU
SALES PER DAY
HOURLY ANALYSIS
HOURLY ANALYSIS OF WEEK
MENU
SUNDAY TOTAL 748 pcs 955.120 kg $ 2397.29
WEEKLY TOTAL 5482 pcs 6746.997 kg $ 19831.45
HOURLY PCS %
9hrs - 10hrs 28 3.8
10hrs - 11hrs 39 5.2
11hrs - 12hrs 55 7.3
12hrs - 13hrs 50 6.7
13hrs - 14hrs 64 8.6
14hrs - 15hrs 78 10.4
15hrs - 16hrs 123 16.5
16hrs - 17hrs 131 17.5
17hrs - 18hrs 92 12.3
18hrs - 19hrs 88 11.7
0
50
100%
FEED
<<
>>
PCS
PRICE
Press to return to Weekly Total Menu.
Press to change the previous page
Press to scroll up the line.
Press to scroll down the line.
Press to change the next page
Press to feed labels
Press to select either “pieces” or “prices”.
Press to change the day of the week.

4.4 31 DAYS TOTAL

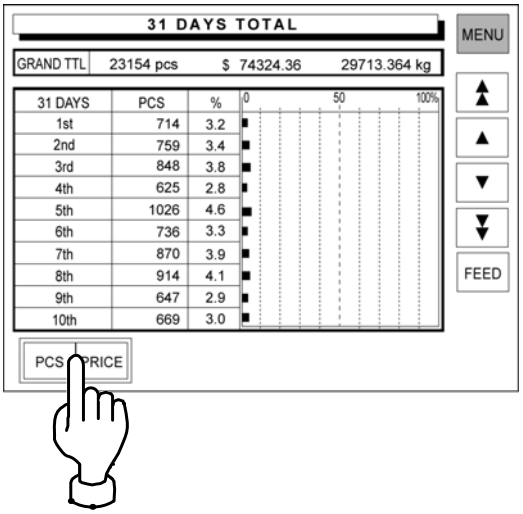
Totals of transactions performed for a month period can be obtained.
Press the [31 DAYS TOTAL] button on the Total Menu screen.

1. **Press the [ALL TOTAL] button.**

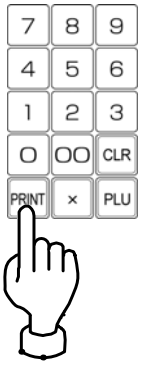
"31 days total" screen appears.

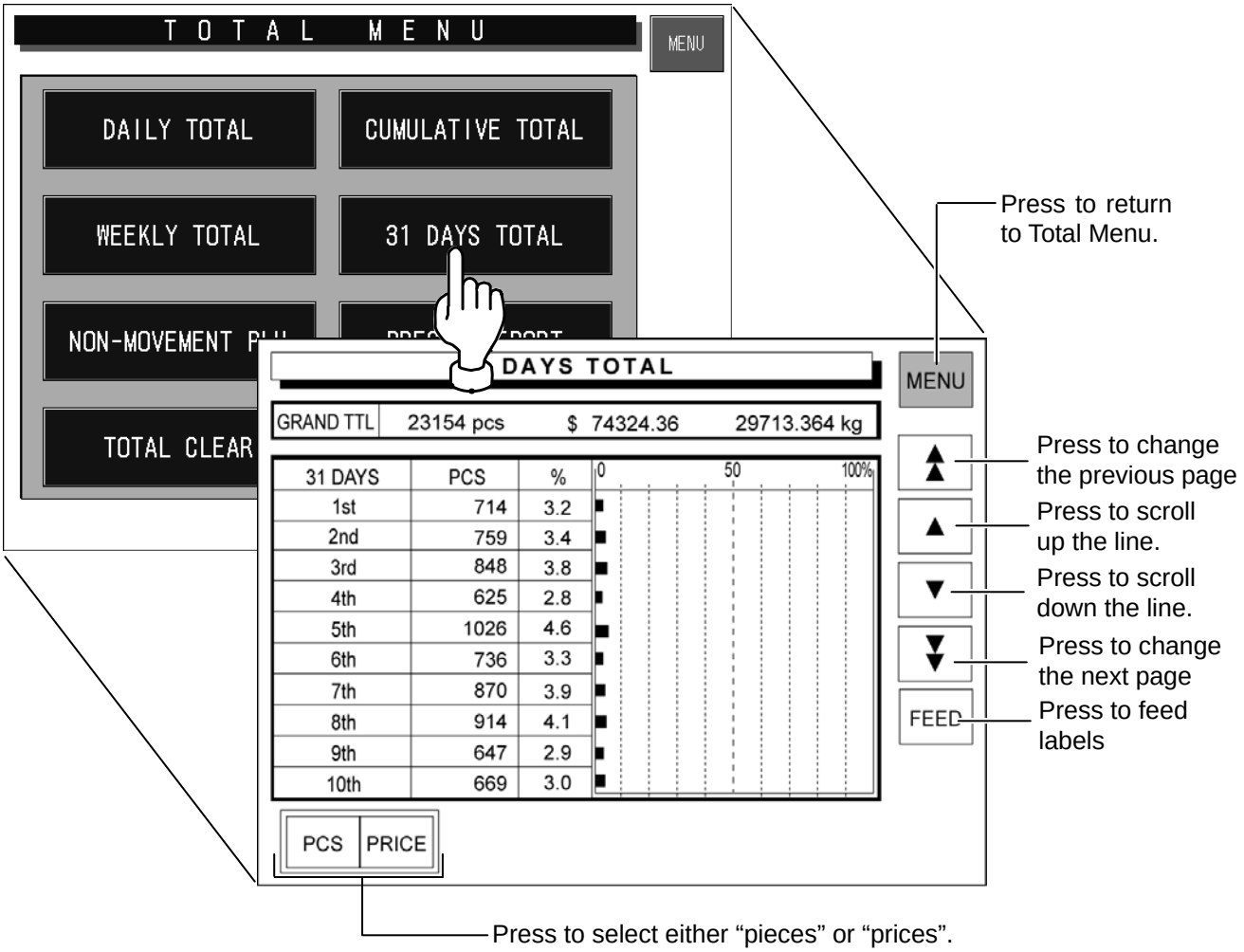


2. **Press to select either [PCS] or [PRICE] button.**



INFOR
To print the total data, press the [PRINT] key on the keypad.




T O T A L M E N U
MENU
DAILY TOTAL
CUMULATIVE TOTAL
WEEKLY TOTAL
31 DAYS TOTAL
NON-MOVEMENT P
TOTAL CLEAR
DAYS TOTAL
MENU
GRAND TTL 23154 pcs $ 74324.36 29713.364 kg
31 DAYS PCS % 0 50 100%
1st 714 3.2
2nd 759 3.4
3rd 848 3.8
4th 625 2.8
5th 1026 4.6
6th 736 3.3
7th 870 3.9
8th 914 4.1
9th 647 2.9
10th 669 3.0
FEED
PCS PRICE
Press to return to Total Menu.
Press to change the previous page
Press to scroll up the line.
Press to scroll down the line.
Press to change the next page
Press to feed labels
Press to select either “pieces” or “prices”.

4.5 NON-MOVEMENT PLU

The list of PLU data that has not been moved for the specified period can be obtained.
Press the [Non sales] button on the Total Menu screen to display Non-Movement PLU screen.

INFOR
When deleting an item that has not moved, select the item and press the [DELETE] button.

1. **Set the date in MMDDYYYY order since when you want to know items have not moved.**

Example:

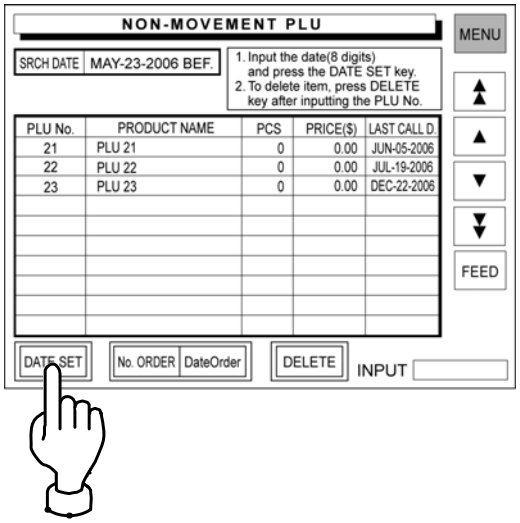
Since May 23, 2006

[0] [5] [2] [3]

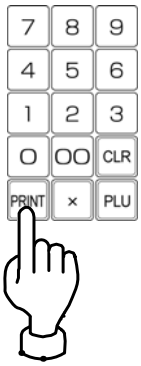
[2] [0] [0] [6]

[DATE SET]

PLUs which have not been moved since the specified date appears on the screen.



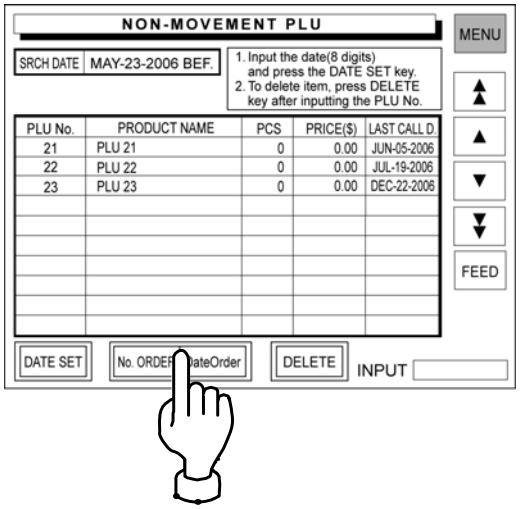
INFOR
To print the total data, press the [PRINT] key on the keypad.

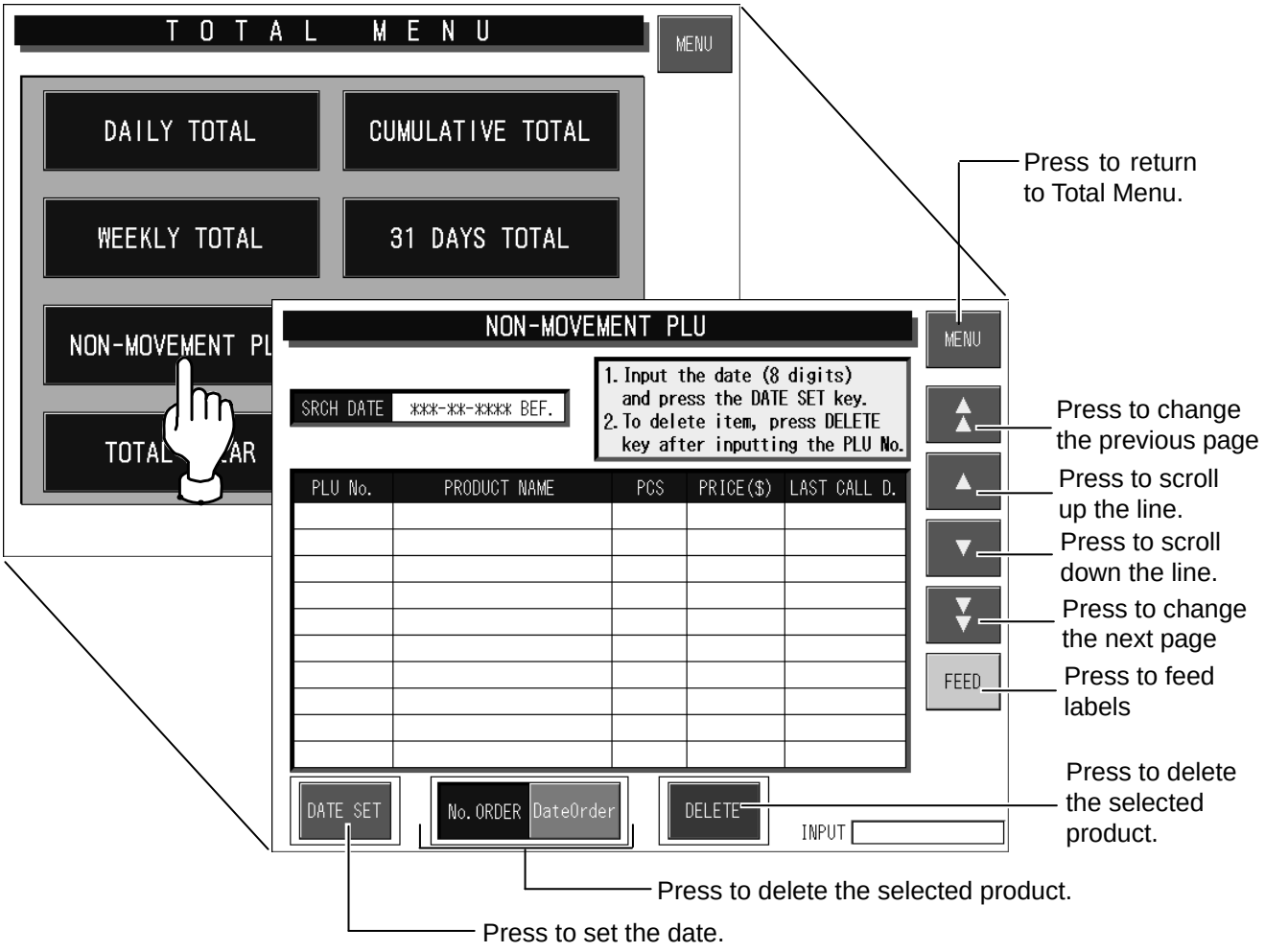


2. **Press to select one of the following buttons:**

[No. ORDER] In descending order

[DATE ORDER] In older date order

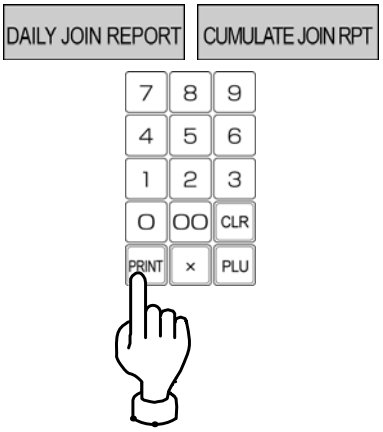


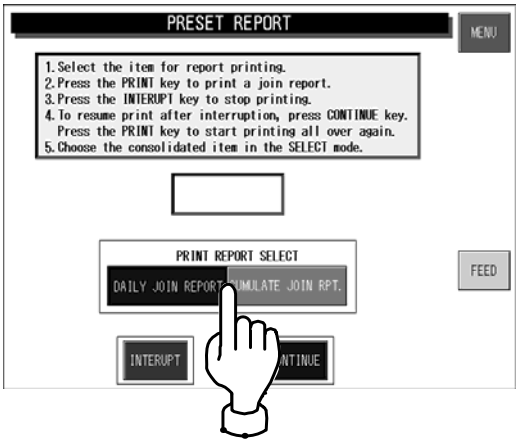

T O T A L M E N U
MENU
DAILY TOTAL
CUMULATIVE TOTAL
WEEKLY TOTAL
31 DAYS TOTAL
NON-MOVEMENT PL
TOTAL
NON-MOVEMENT PLU
SRCH DATE ***-**-**** BEF.
1. Input the date (8 digits) and press the DATE SET key.
2. To delete item, press DELETE key after inputting the PLU No.
PLU No.
PRODUCT NAME
PCS
PRICE($)
LAST CALL D.
MENU
FEED
DATE SET
No. ORDER
DateOrder
DELETE
INPUT
Press to return to Total Menu.
Press to change the previous page
Press to scroll up the line.
Press to scroll down the line.
Press to change the next page
Press to feed labels
Press to delete the selected product.
Press to delete the selected product.
Press to set the date.

4.6 PRESET REPORT

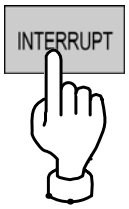
This function is to combine desired totals and issue combined total reports.
Preset report is available for Daily and Cumulative totals.
Press the [Report print] button on the Total Menu screen to display Preset Report screen.

1. **Press to select either [DAILY JOIN REPORT] or [CUMULATE JOIN REPORT] button, and press the [PRINT] key on the keypad.**



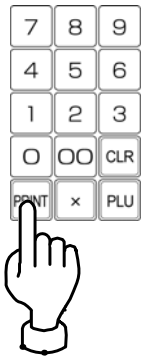


● **To interrupt report printing, press the [INTERRUPT] button.**

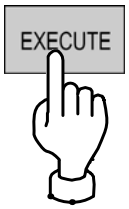


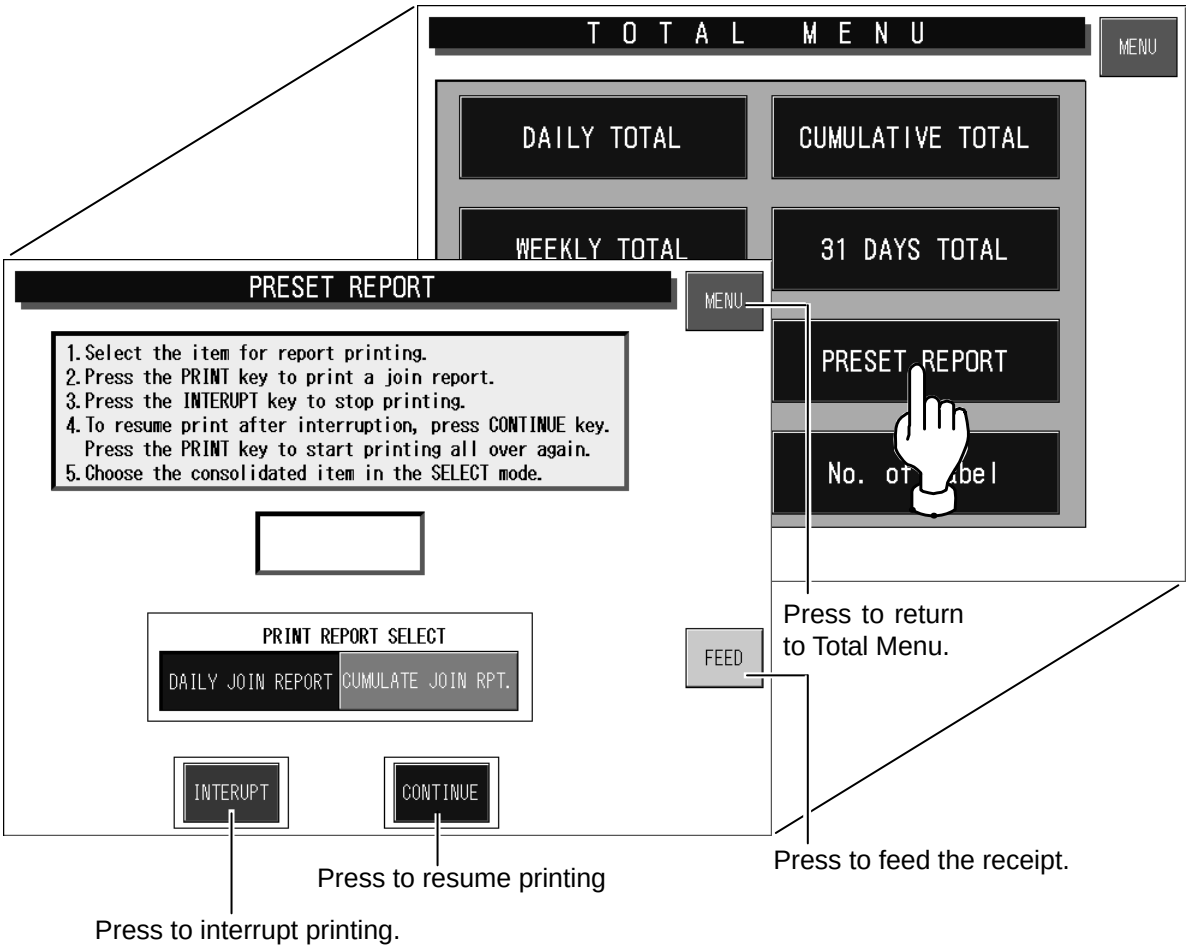
● **To resume report printing, press the [CONTINUE] button.**

● **To start report printing from the beginning, press the [PRINT] key.**



2. **Press the [EXECUTE] button on the delete confirmation screen.**



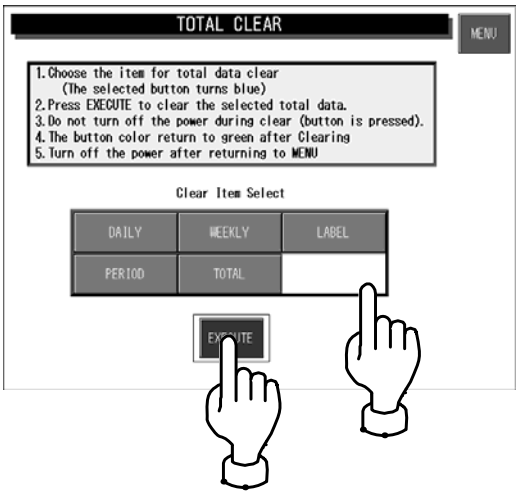


4.7 TOTAL CLEAR

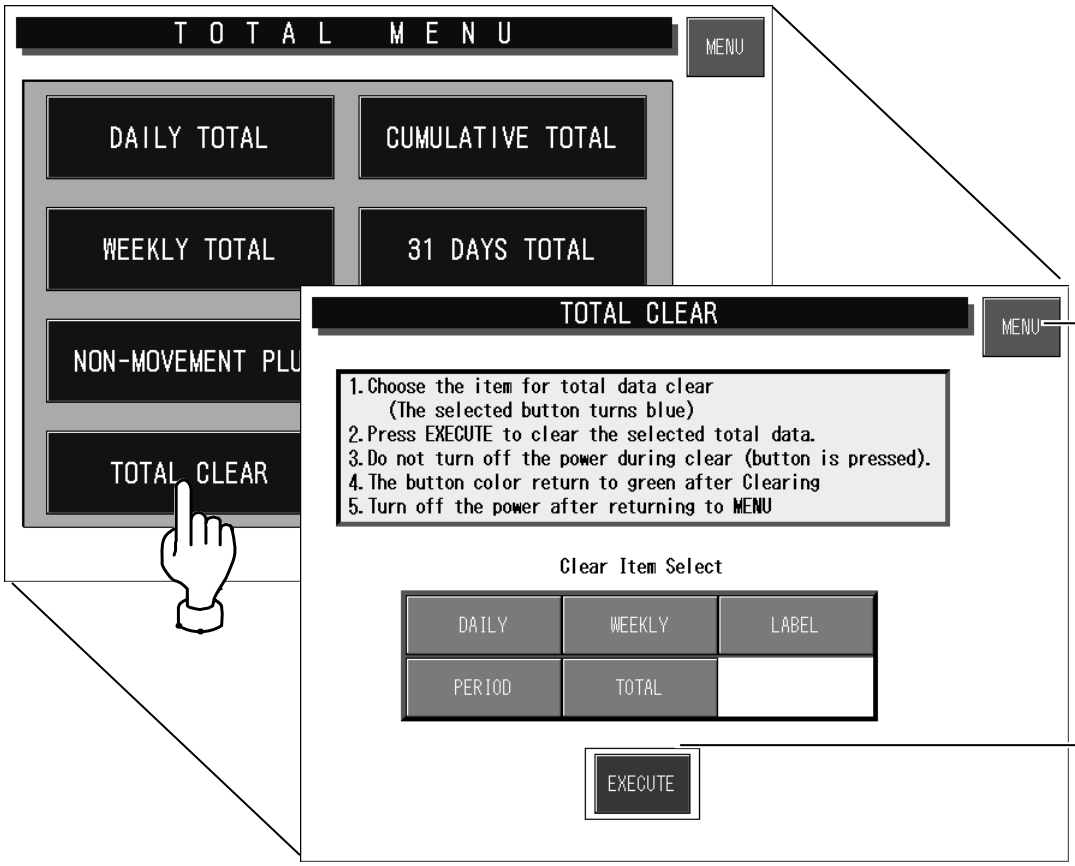
This function is to clear the specified total data.
Press the [Total clear] button on the Total Menu screen to display Total Clear screen.

1. **Press to select one of items to be cleared and press the [EXECUTE] button.**

The delete confirmation screen appears.



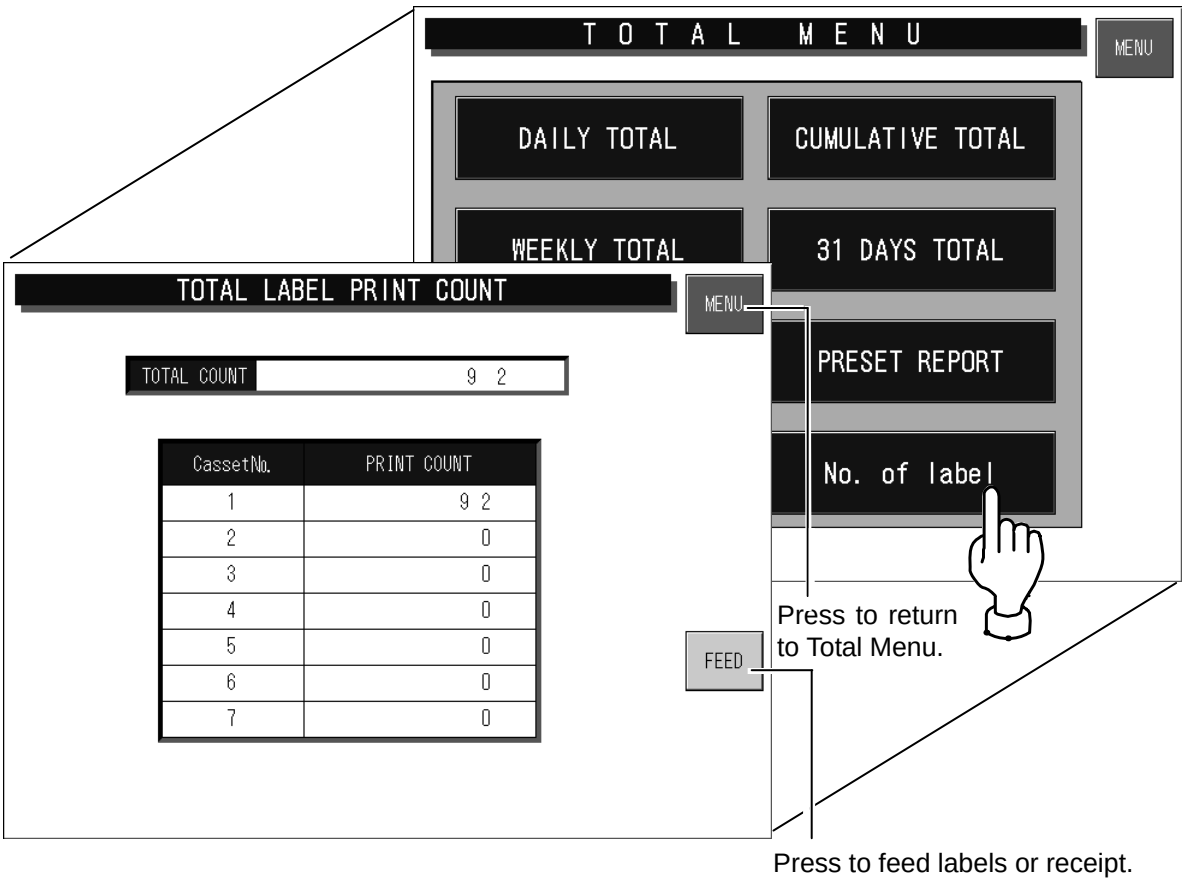
2. **Press the [EXECUTE] button to complete the deletion.**



Press to return to Total Menu.

Press to clear the selected item.

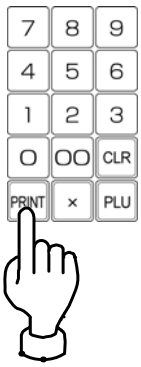
4.8 NUMBER OF LABELS



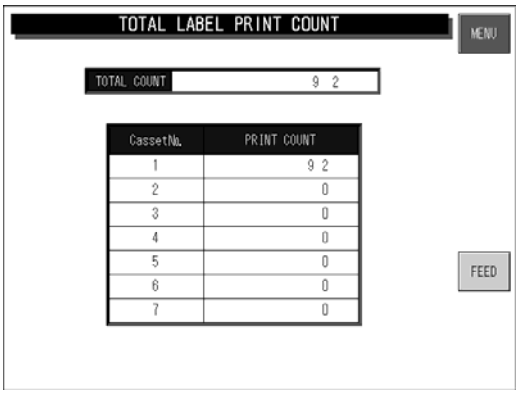
This function checks and prints the number of issued labels.
Press the [No. of label] button on the Total Menu screen to display Total Label Print Count screen.

INFOR

To print the total data, press the [PRINT] key on the keypad.



Check the number of issued labels for each cassette number.



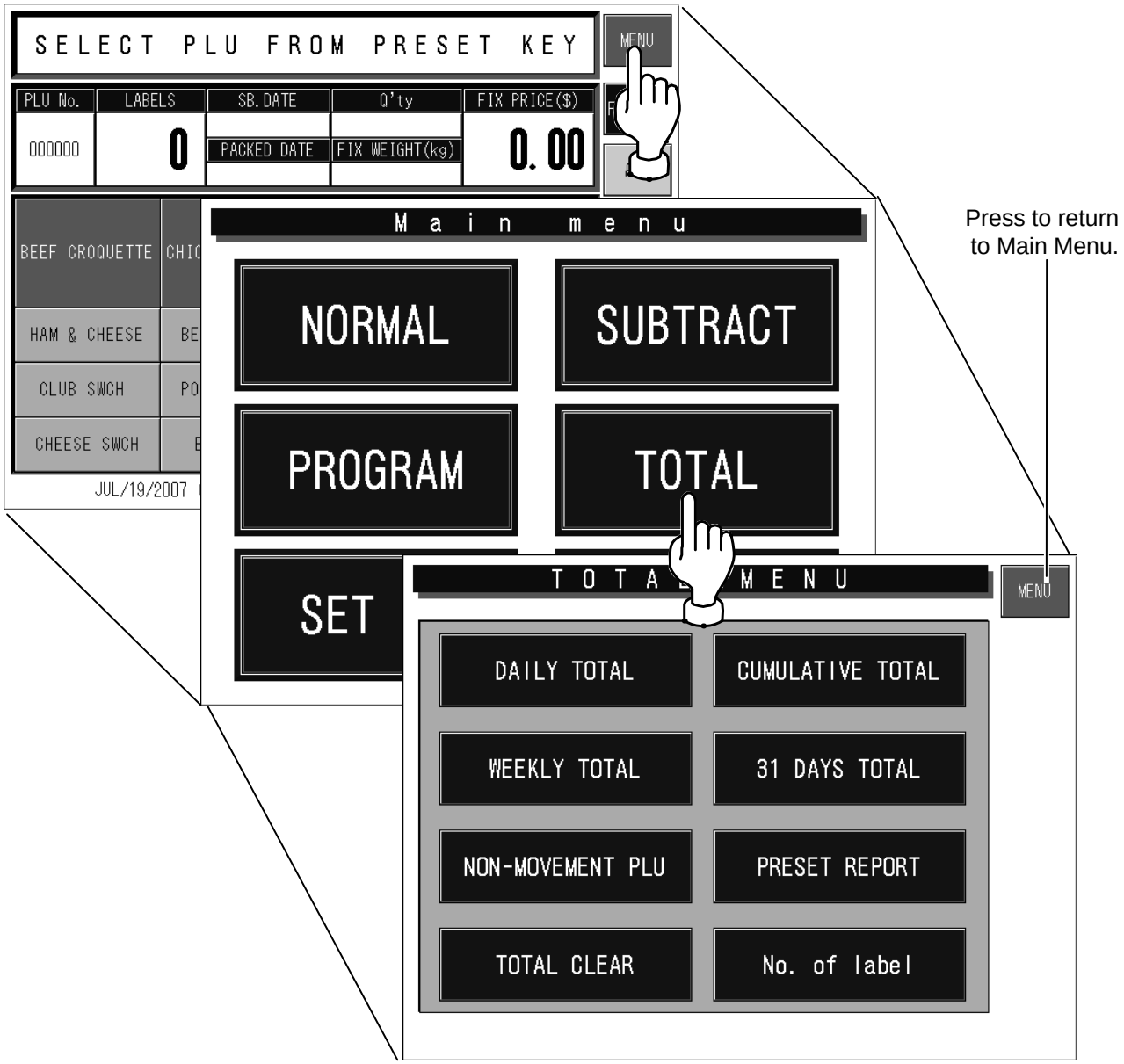
Chapter 4

TOTAL MENU

4.1 TOTAL MENU ENTRY

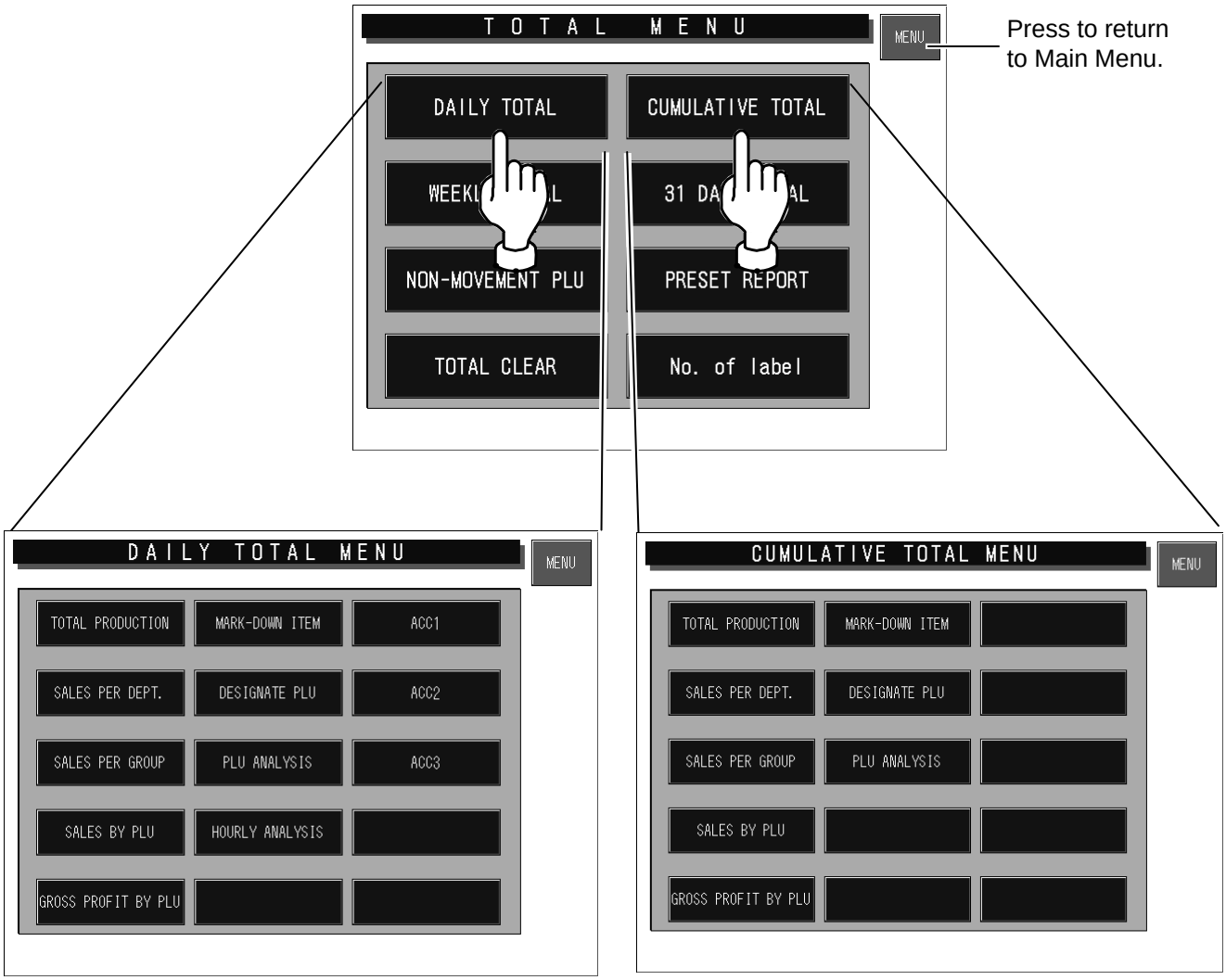
Various transaction totals can be obtained in Total Menu. Press the [MENU] button on the initial screen and press the [TOTAL] button on the Main Menu to enter Total Menu.

Note: When a password is programmed for accessing Total Menu, enter the 6-digit password number using the keypad before pressing the [TOTAL] button.
See section 6-4 "Password Setting".



4.2 DAILY / CUMULATIVE TOTALS

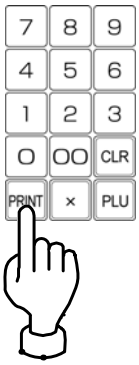
Totals of various transactions performed on that day or for a certain period of time can be obtained. Press the [DAILY TOTAL] or [CUMULATIVE TOTAL] button on the Total Menu screen to display either Daily Total Menu or Cumulative Total Menu.



4.2.1 TOTAL PRODUCTION

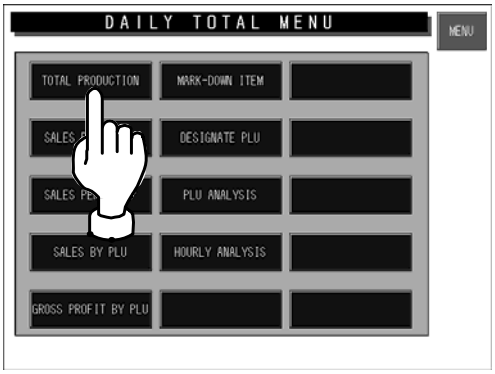
MEMO

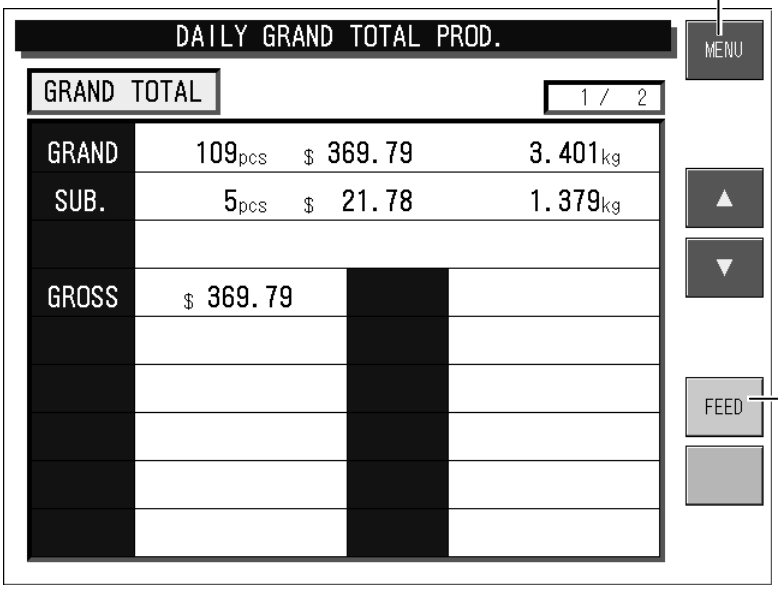
To print the total data, press the [PRINT] key on the keypad.



Press the [TOTAL PRODUCTION] button.

"Total Production" screen appears (Daily Total Menu is used in this example).





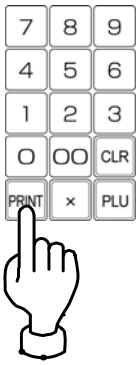
Press to return to Daily or Cumulative Total Menu.

Press to feed labels.

4.2.2 SALES PER DEPARTMENT

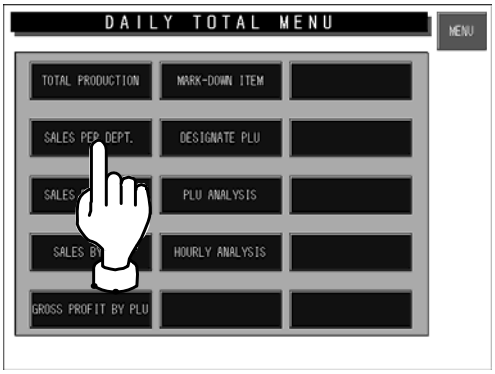
MEMO

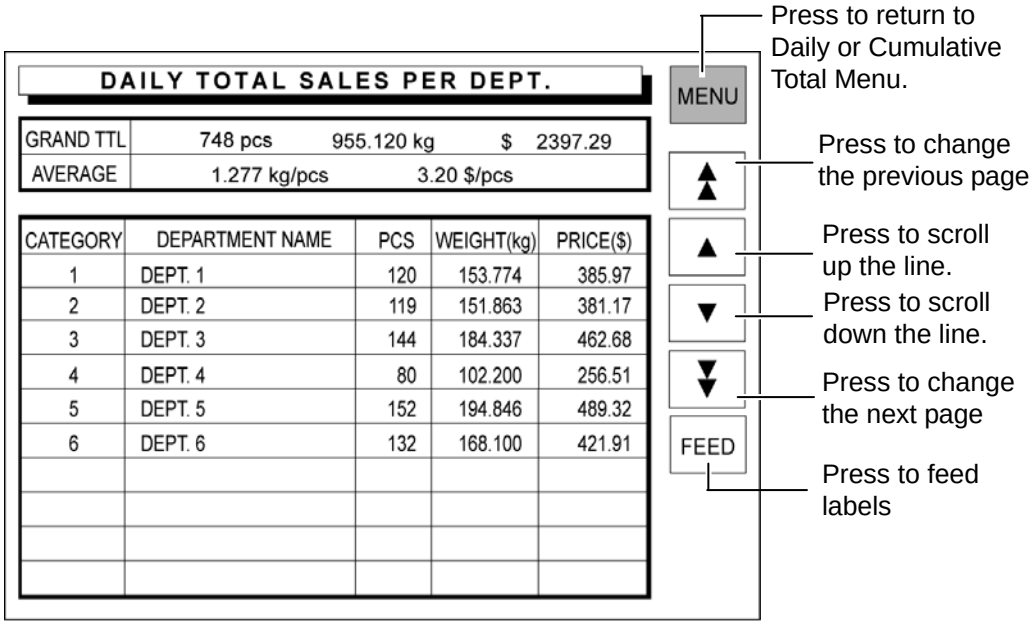
To print the total data, press the [PRINT] key on the keypad.



Press the [TOTAL SALES PER DEPT] button.

"Total Sales per Department" screen appears (Daily Total Menu is used in this example).

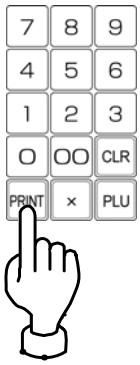




4.2.3 TOTAL SALES PER GROUP

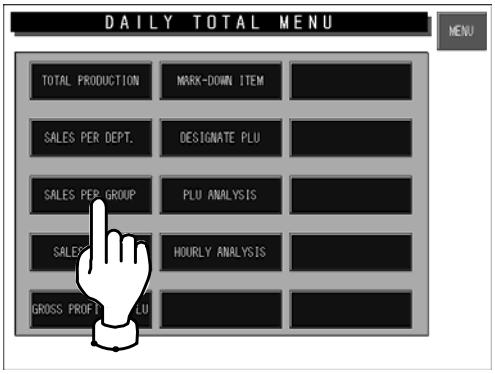
MEMO

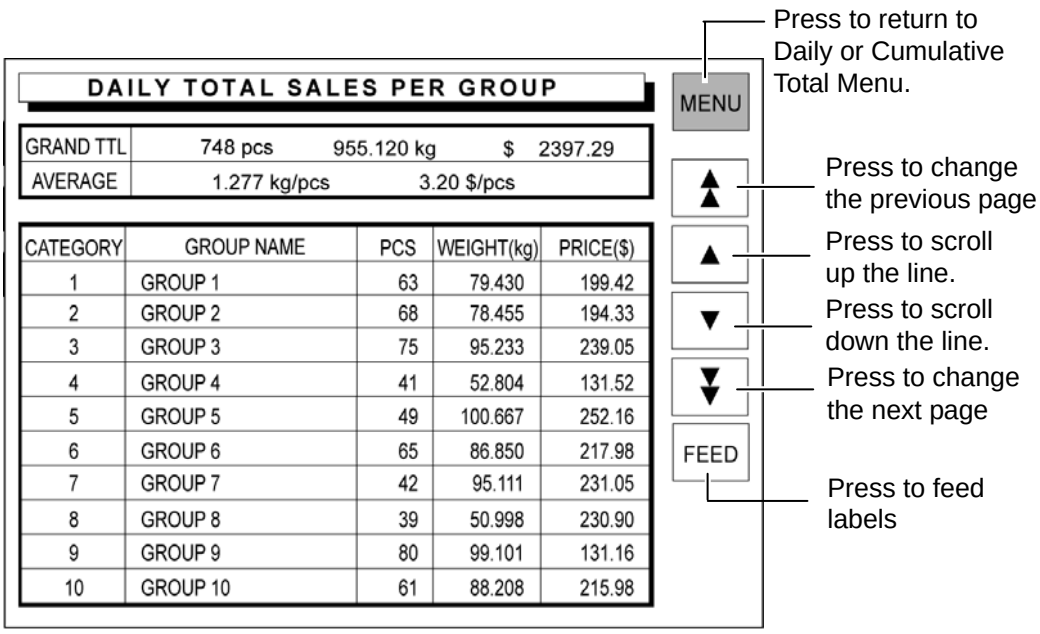
To print the total data, press the [PRINT] key on the keypad.



Press the [SALES PER GROUP] button.

"Total Sales per Group" screen appears (Daily Total Menu is used in this example).

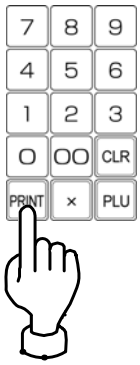




4.2.4 TOTAL SALES BY PLU

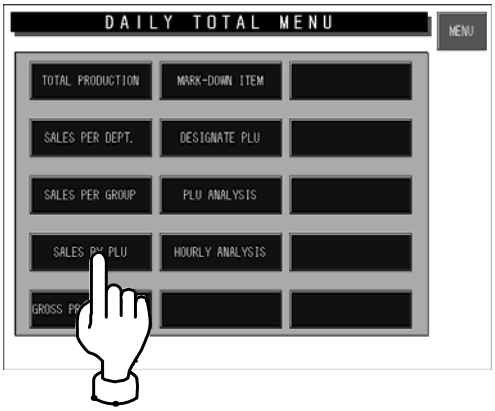
MEMO

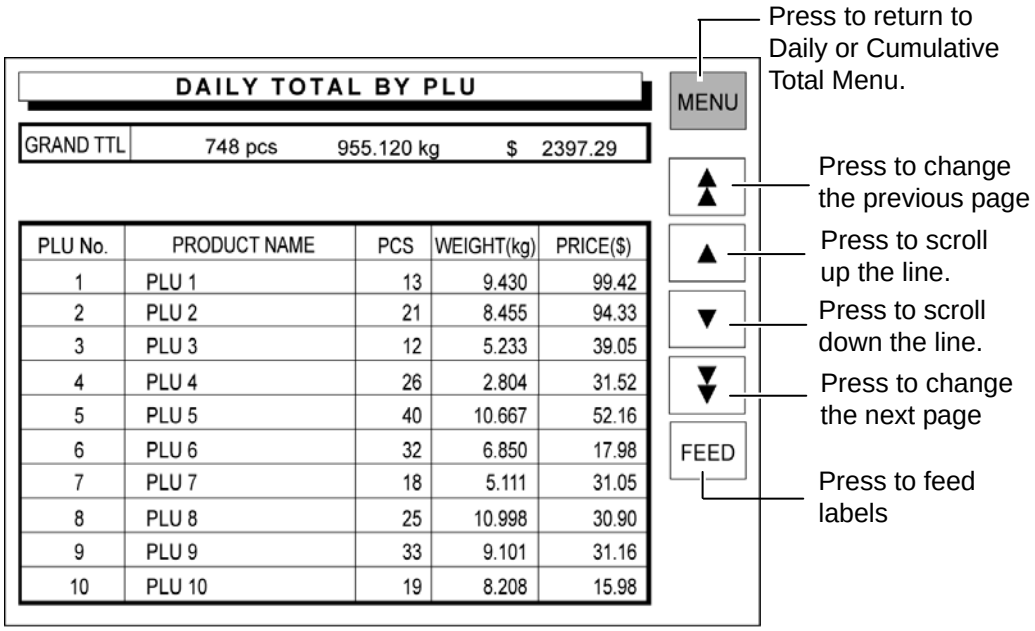
To print the total data, press the [PRINT] key on the keypad.



Press the [SALES BY PLU] button.

"Total Sales by PLU" screen appears (Daily Total Menu is used in this example).

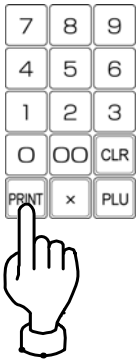




4.2.5 TOTAL GROSS PROFIT BY PLU

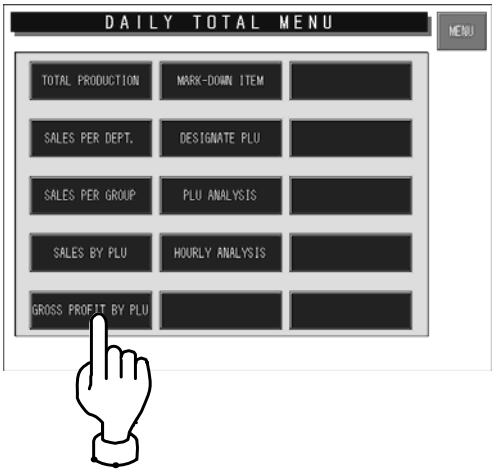
MEMO

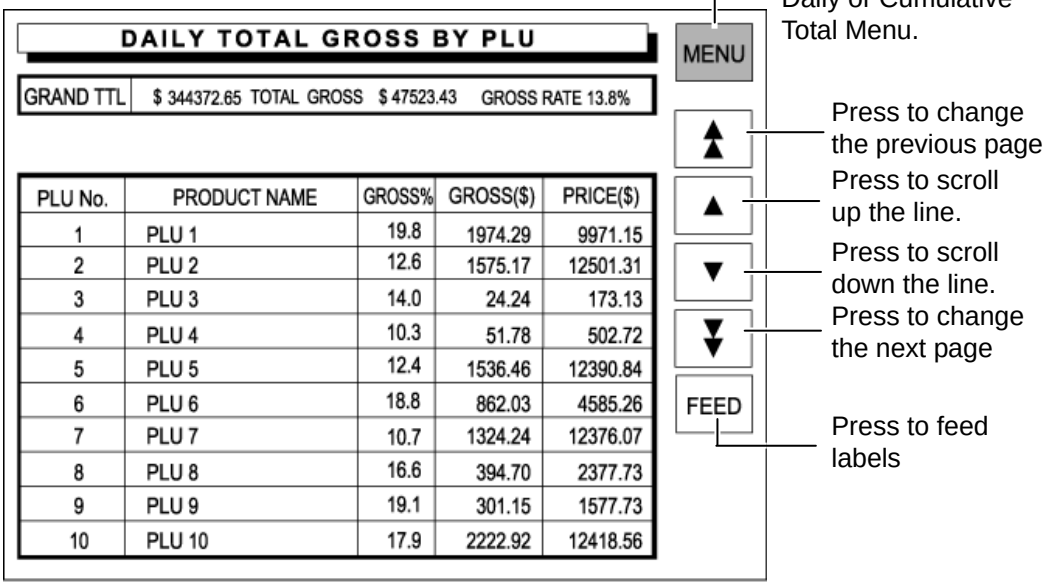
To print the total data, press the [PRINT] key on the keypad.



Press the [GROSS PROFIT BY PLU] button.

"Total Gross Profit by PLU" screen appears (Daily Total Menu is used in this example).

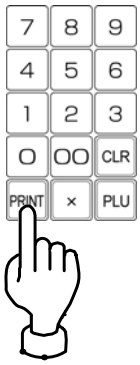




4.2.6 TOTAL MARKDOWN ITEM

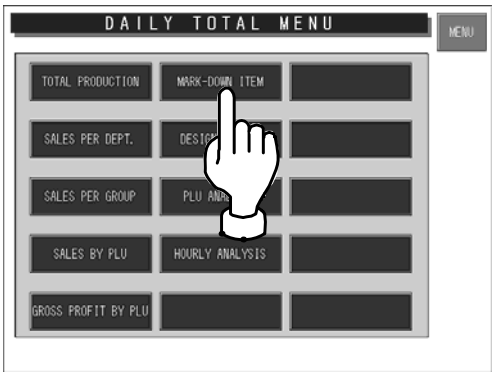
MEMO

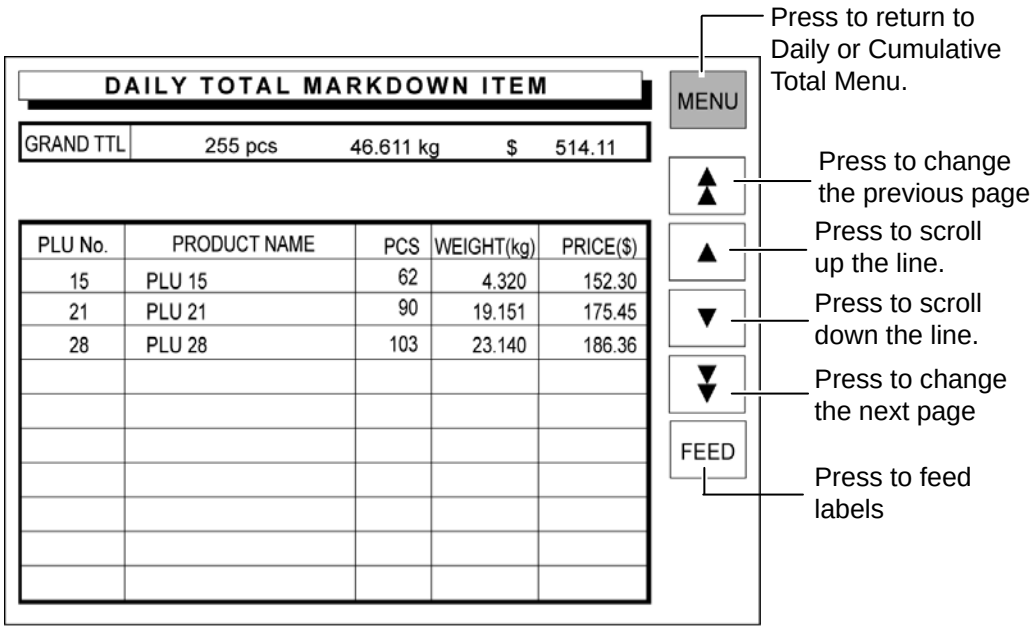
To print the total data, press the [PRINT] key on the keypad.



Press the [MARKDOWN ITEM] button.

"Total Markdown Item" screen appears (Daily Total Menu is used in this example).

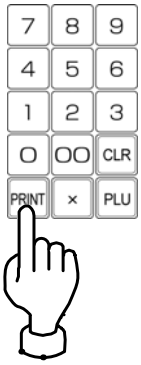


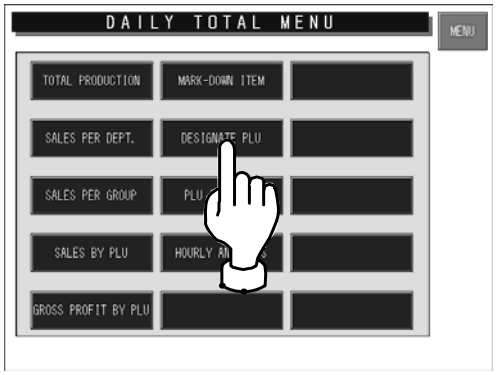


4.2.7 TOTAL DESIGNATED PLU

1. **Press the [DESIGNATE PLU] button.**
"Total Designated PLU" screen appears (Daily Total Menu is used in this example).

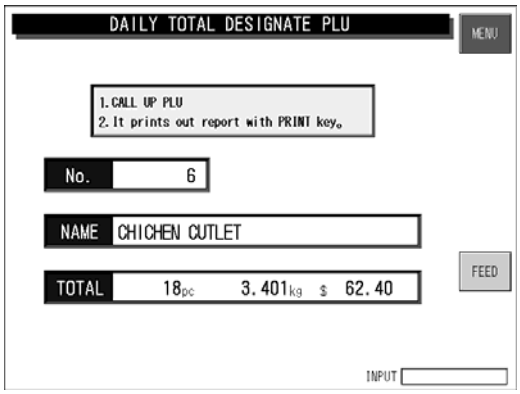
MEMO
To print the total data, press the [PRINT] key on the keypad.

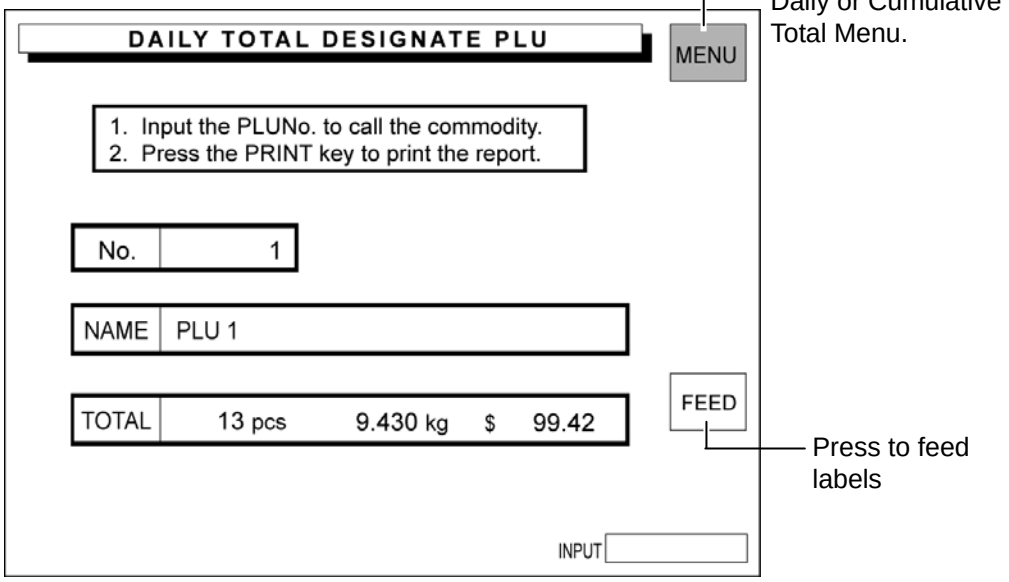




2. **Call up the desired item.**

0 ●●● 9 PLU



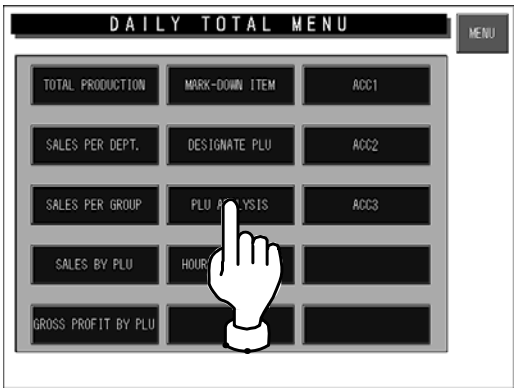


Press to return to Daily or Cumulative Total Menu.

Press to feed labels

4.2.8 TOTAL PLU ANALYSIS

1. **Press the [PLU ANALYSIS] button.**
"Daily Total PLU Analysis" screen appears (Daily Total Menu is used in this example).

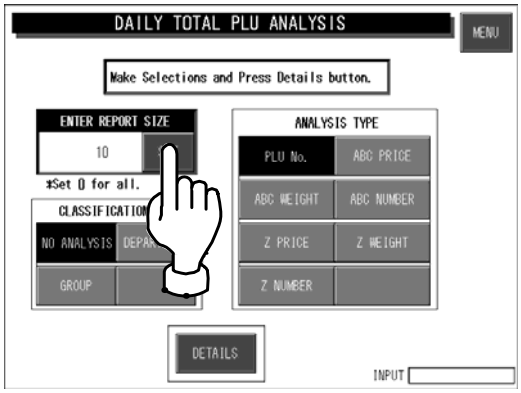


INFOR
When "0" is set, all PLUs are selected.

2. **Set the number of items to be analyzed.**

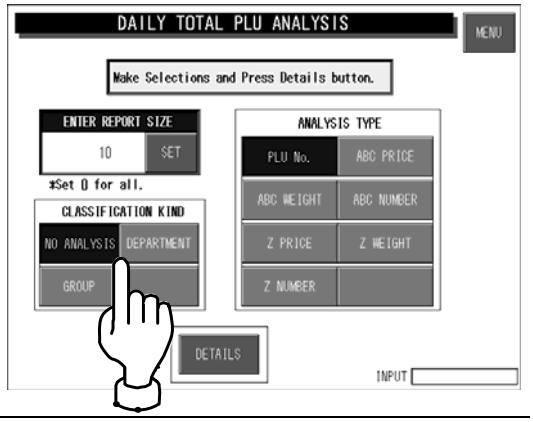
Up to 6 digits can be entered.

0 ●●● 9 SET

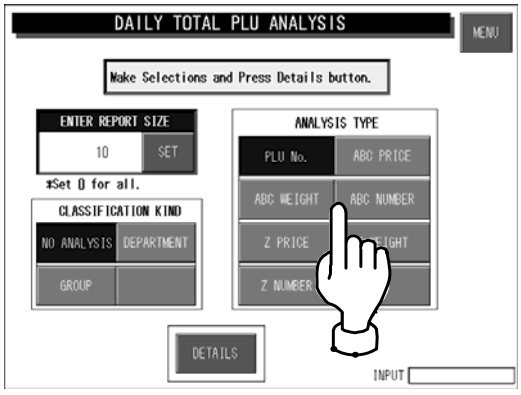


3. **Press the desired button to select the classification kind.**

NO ANALYSIS	No classification
DEPARTMENT	By department
GROUP	By group



4. **Press the desired button to select the analysis type.**



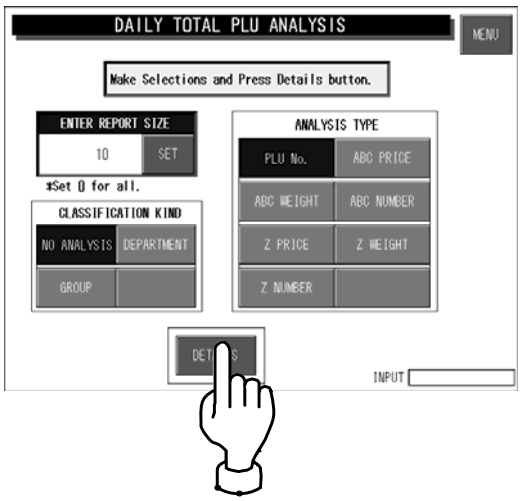
PLU No.	In numeric order
ABC PRICE	In descending price order
ABC WEIGHT	In descending weight order
ABC NUMBER	In descending quantity order
Z PRICE	In ascending price order
Z WEIGHT	In ascending weight order
Z NUMBER	In ascending quantity order

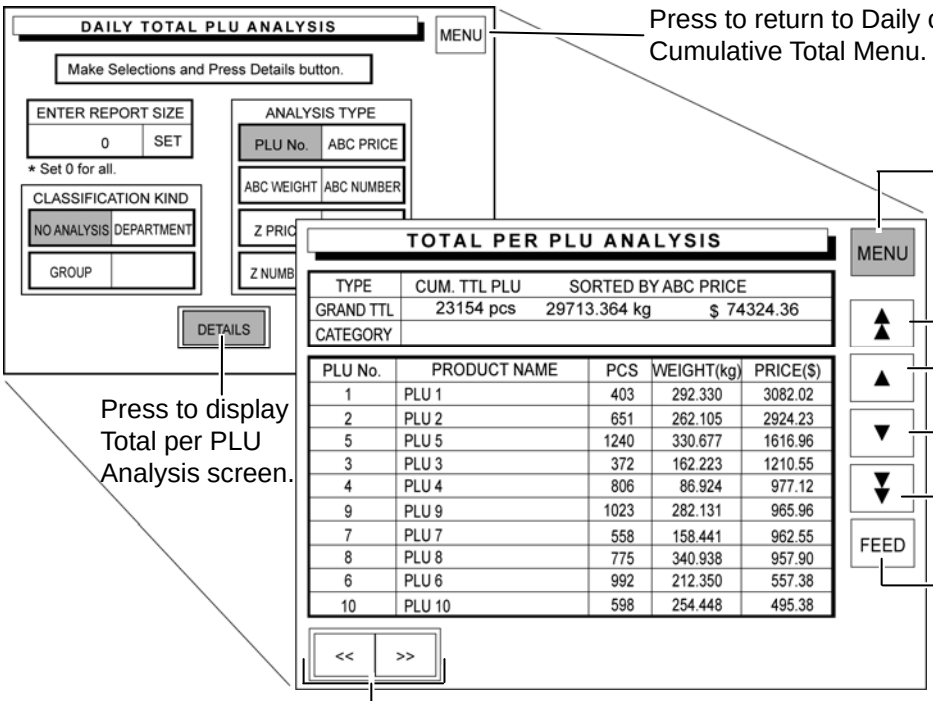
INFOR

To print the total data, press the [PRINT] key on the keypad.

5. **Press the [DETAILS] button.**

"Total per PLU Analysis" screen appears as shown above.





Press to return to Daily or Cumulative Total Menu.

Press to return to Daily Total PLU Analysis screen.

Press to change the previous page

Press to scroll up the line.

Press to scroll down the line.

Press to change the next page

Press to feed labels

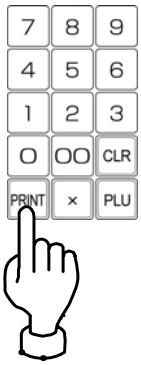
Press to display Total per PLU Analysis screen.

Press to display analysis data for each category number.

4.2.9 DAILY TOTAL HOURLY ANALYSIS

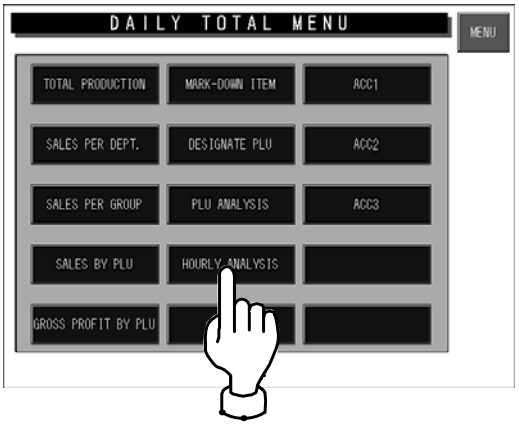
INFOR

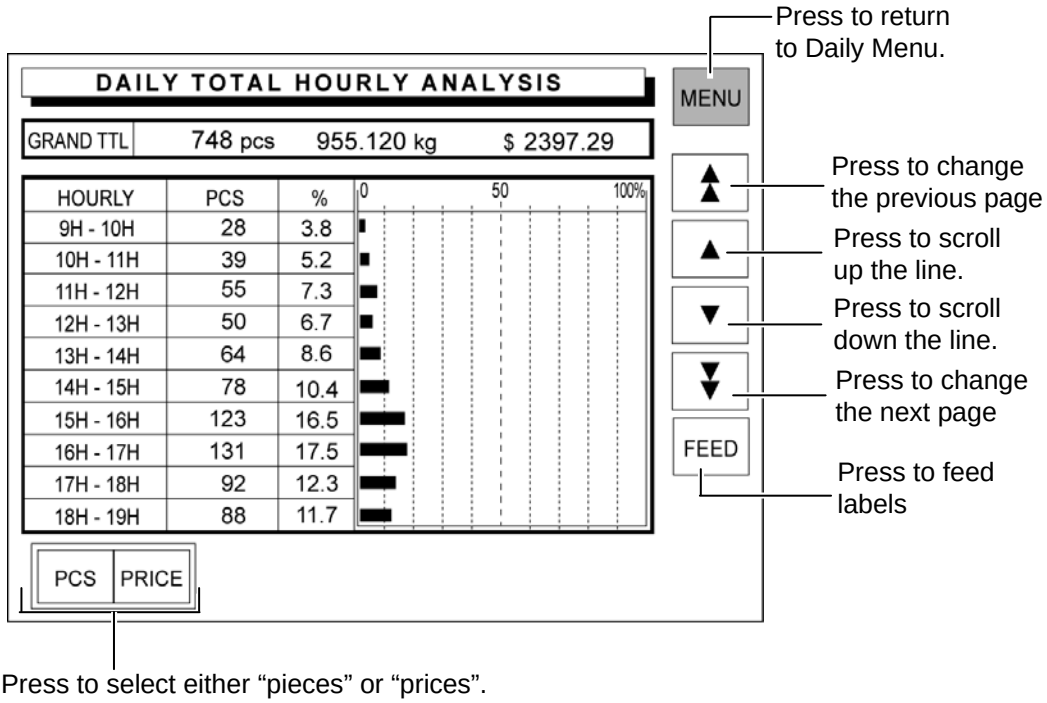
To print the total data, press the [PRINT] key on the keypad.



Press the [HOURLY ANALYSIS] button.

"Daily Total Hourly Analysis" screen appears.





Press to return to Daily Menu.

Press to change the previous page

Press to scroll up the line.

Press to scroll down the line.

Press to change the next page

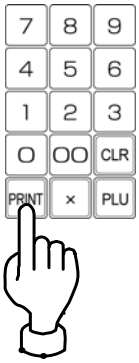
Press to feed labels

Press to select either "pieces" or "prices".

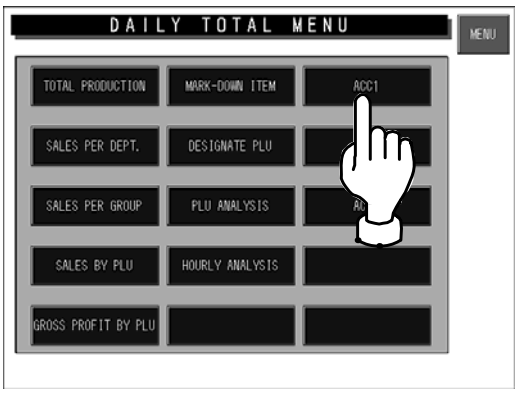
4.2.10 ACC

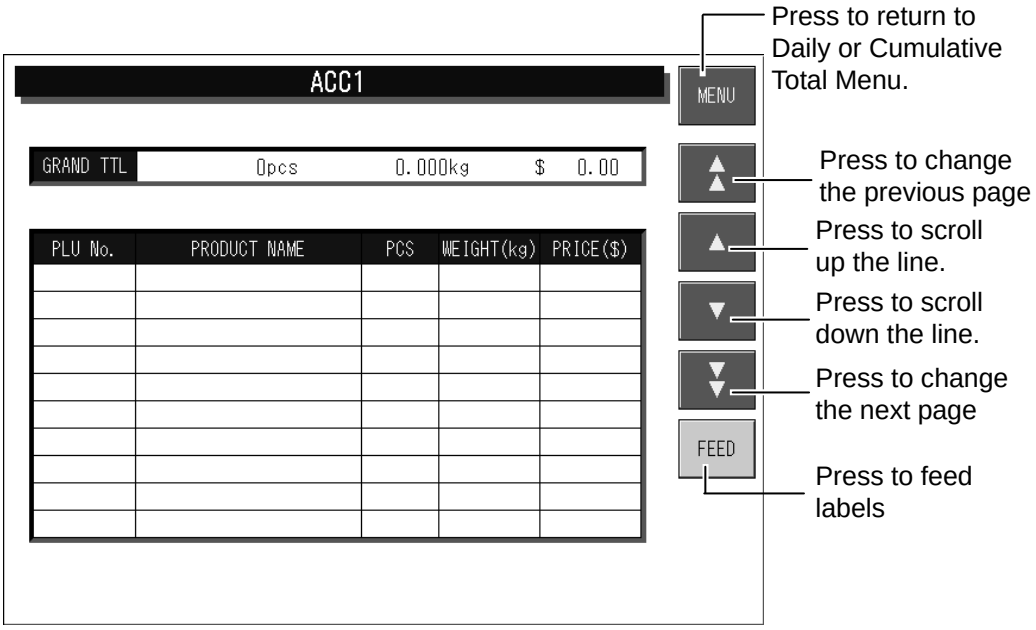
MEMO

To print the total data, press the [PRINT] key on the keypad.



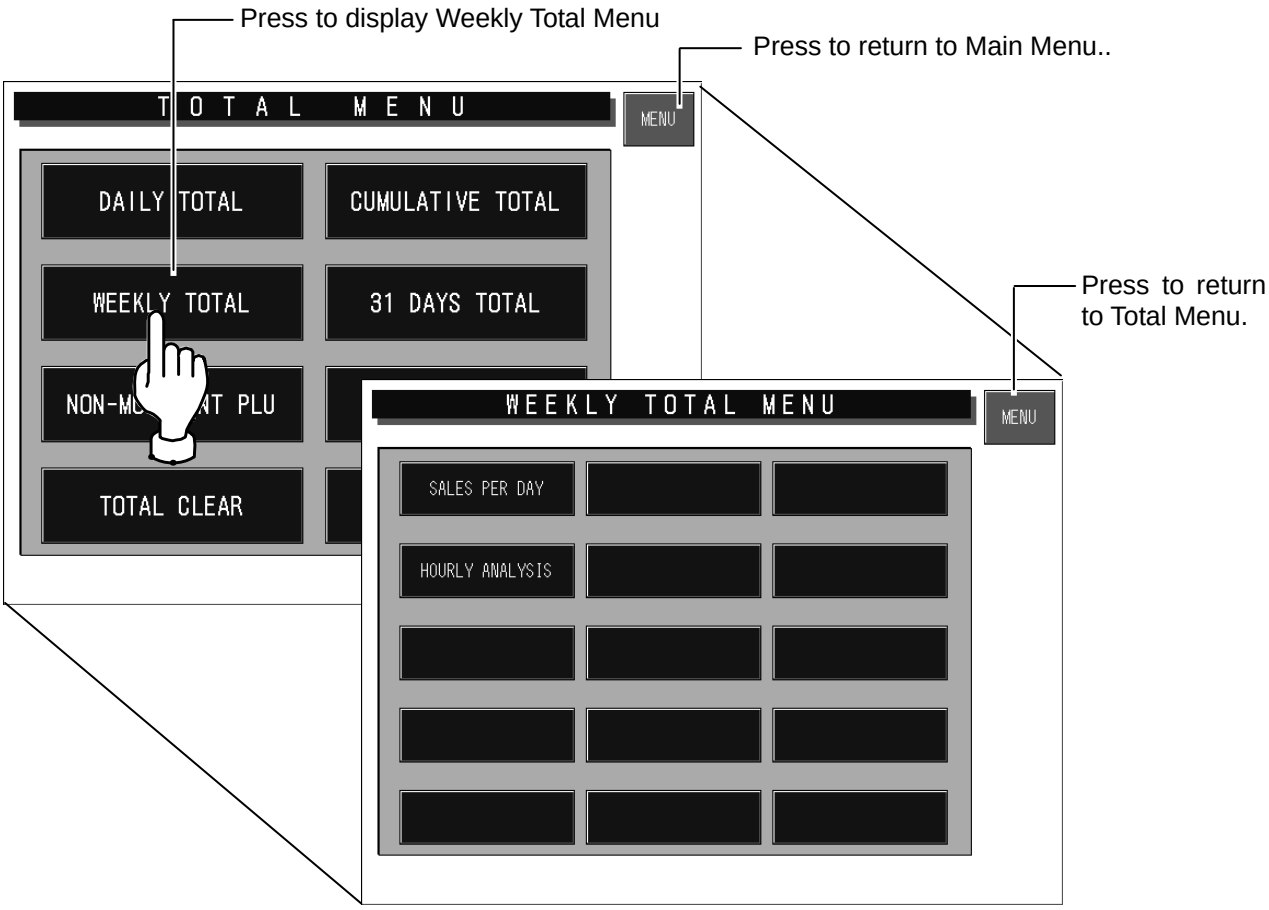
Press the [MARKDOWN ITEM] button.
"ACC1" screen appears





4.3 WEEKLY TOTAL

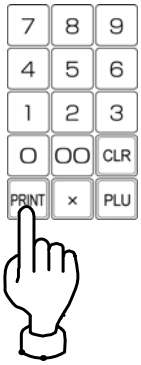
Totals of various transactions performed for a week can be obtained.
Press the [Weekly] button on the Total Menu screen to display Weekly Total Menu.



4.3.1 SALES PER DAYS OF THE WEEK

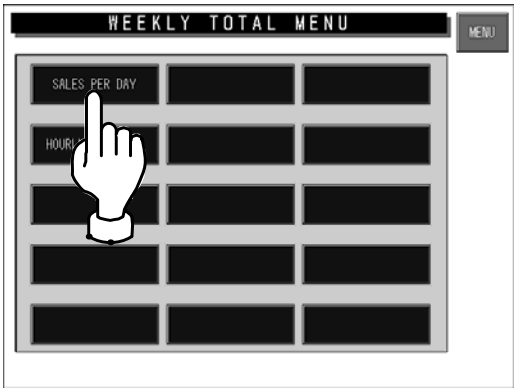
INFOR

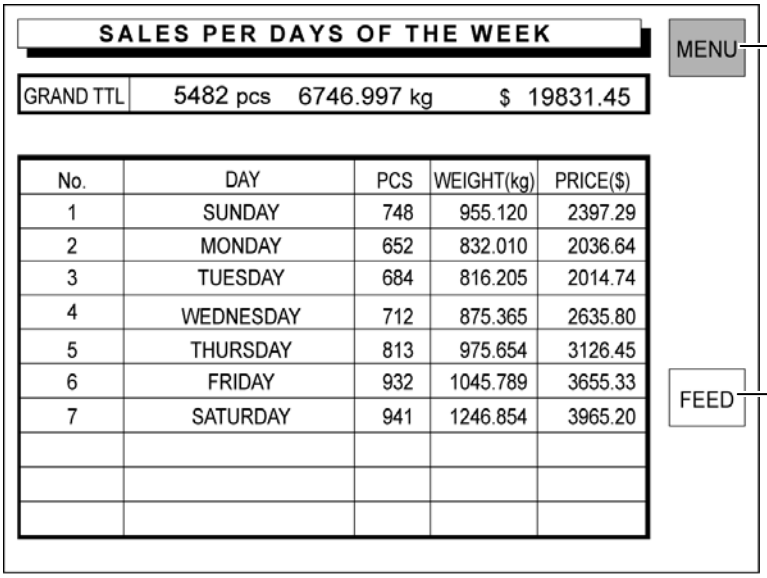
To print the total data, press the [PRINT] key on the keypad.



Press the [SALES PER DAY] button.

"Sales per Days of the Week" screen appears as shown above.





No.	DAY	PCS	WEIGHT(kg)	PRICE($)
1	SUNDAY	748	955.120	2397.29
2	MONDAY	652	832.010	2036.64
3	TUESDAY	684	816.205	2014.74
4	WEDNESDAY	712	875.365	2635.80
5	THURSDAY	813	975.654	3126.45
6	FRIDAY	932	1045.789	3655.33
7	SATURDAY	941	1246.854	3965.20

Press to return to Weekly Total Menu.

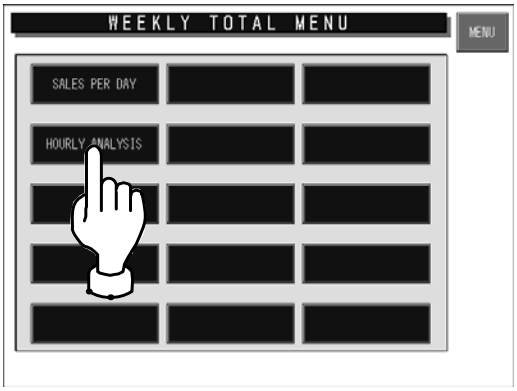
Press to feed the receipt.

4.3.2 HOURLY ANALYSIS OF THE WEEK

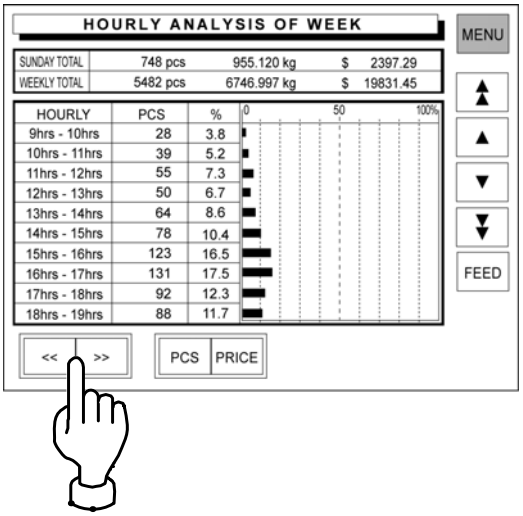
A day is delimited every hour, and the daily sales data either in price or quantity is displayed for each hourly zone in graphs.

1. **Press the [HOURLY ANALYSIS] button.**

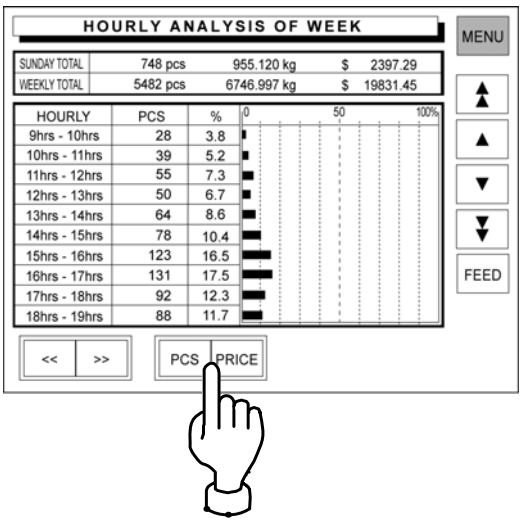
"Hourly Analysis of the Week" screen appears as shown above.



2. **Use the [<<] or [>>] button to select the desired day of the week.**

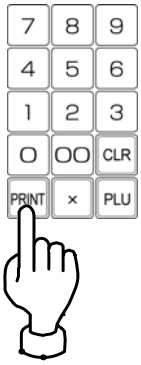


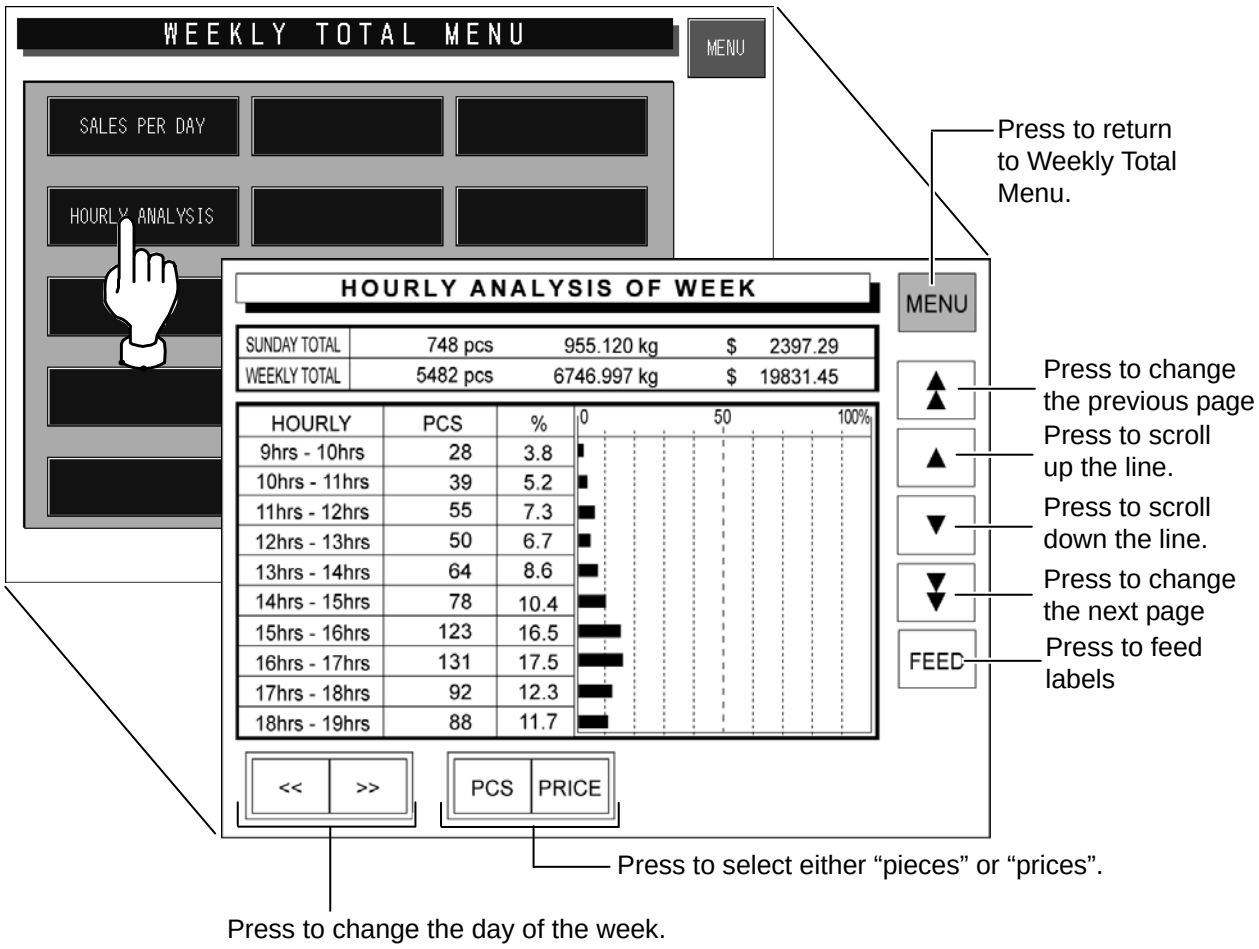
3. **Press to select either [PCS] or [PRICE] button.**



INFOR

To print the total data, press the [PRINT] key on the keypad.



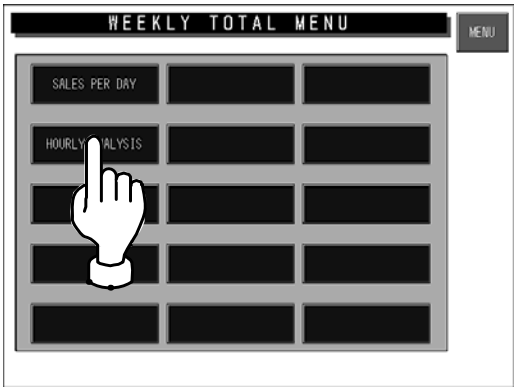

WEEKLY TOTAL MENU
MENU
SALES PER DAY
HOURLY ANALYSIS
HOURLY ANALYSIS OF WEEK
MENU
SUNDAY TOTAL 748 pcs 955.120 kg $ 2397.29
WEEKLY TOTAL 5482 pcs 6746.997 kg $ 19831.45
HOURLY PCS %
9hrs - 10hrs 28 3.8
10hrs - 11hrs 39 5.2
11hrs - 12hrs 55 7.3
12hrs - 13hrs 50 6.7
13hrs - 14hrs 64 8.6
14hrs - 15hrs 78 10.4
15hrs - 16hrs 123 16.5
16hrs - 17hrs 131 17.5
17hrs - 18hrs 92 12.3
18hrs - 19hrs 88 11.7
0
50
100%
FEED
<<
>>
PCS
PRICE
Press to return to Weekly Total Menu.
Press to change the previous page
Press to scroll up the line.
Press to scroll down the line.
Press to change the next page
Press to feed labels
Press to select either “pieces” or “prices”.
Press to change the day of the week.

4.4 31 DAYS TOTAL

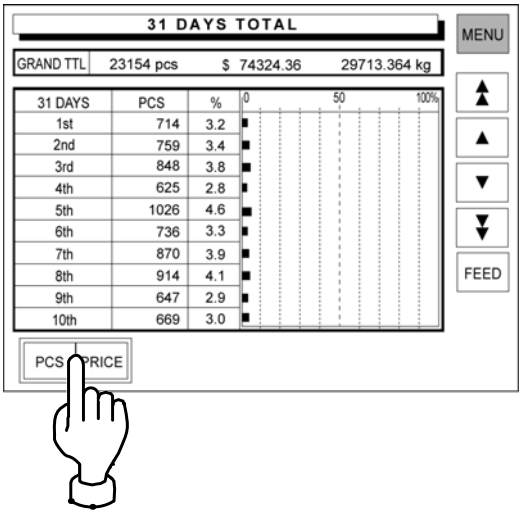
Totals of transactions performed for a month period can be obtained.
Press the [31 DAYS TOTAL] button on the Total Menu screen.

1. **Press the [ALL TOTAL] button.**

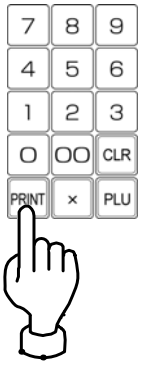
"31 days total" screen appears.

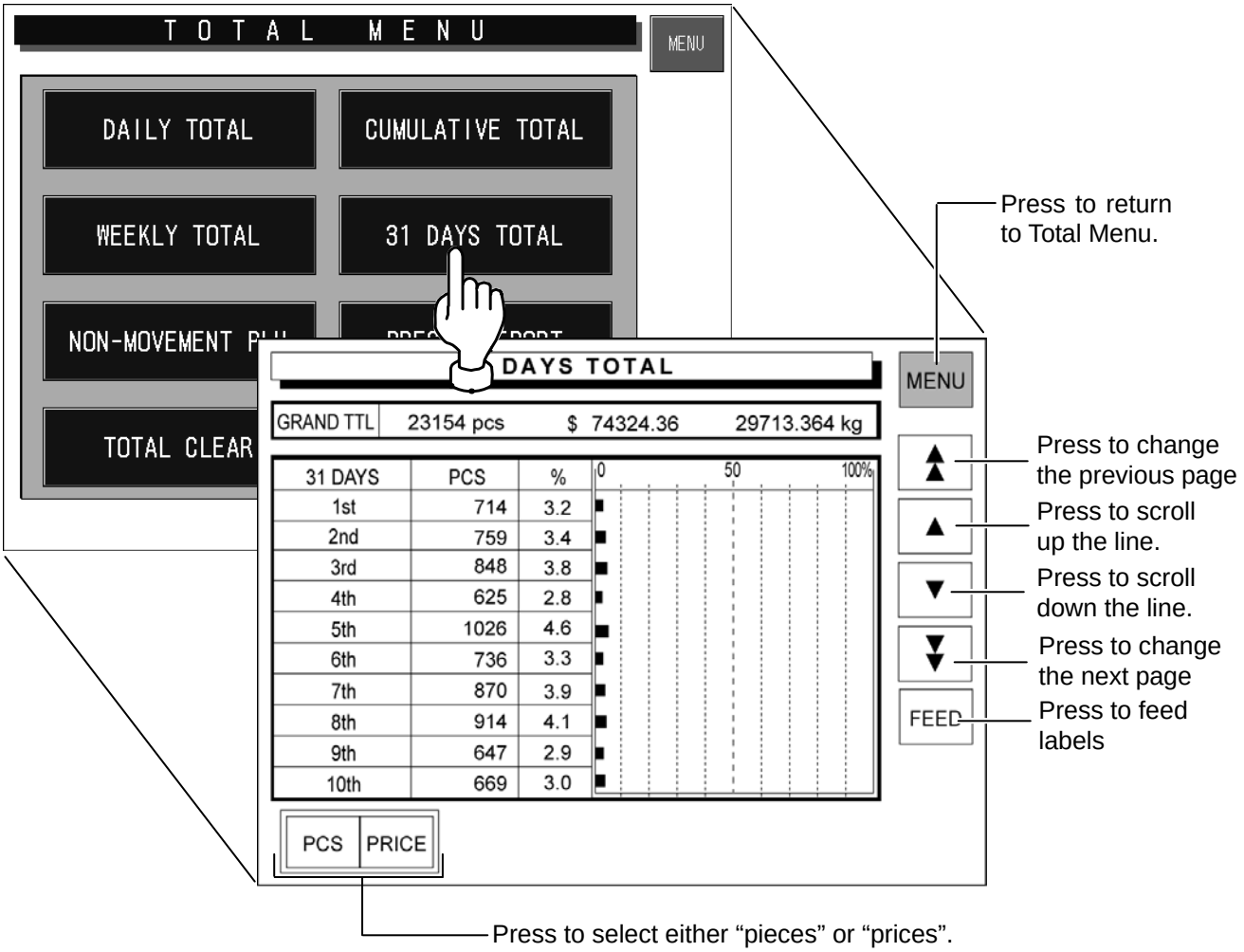


2. **Press to select either [PCS] or [PRICE] button.**



INFOR
To print the total data, press the [PRINT] key on the keypad.




T O T A L M E N U
MENU
DAILY TOTAL
CUMULATIVE TOTAL
WEEKLY TOTAL
31 DAYS TOTAL
NON-MOVEMENT P
TOTAL CLEAR
DAYS TOTAL
MENU
GRAND TTL 23154 pcs $ 74324.36 29713.364 kg
31 DAYS PCS % 0 50 100%
1st 714 3.2
2nd 759 3.4
3rd 848 3.8
4th 625 2.8
5th 1026 4.6
6th 736 3.3
7th 870 3.9
8th 914 4.1
9th 647 2.9
10th 669 3.0
FEED
PCS PRICE
Press to return to Total Menu.
Press to change the previous page
Press to scroll up the line.
Press to scroll down the line.
Press to change the next page
Press to feed labels
Press to select either “pieces” or “prices”.

4.5 NON-MOVEMENT PLU

The list of PLU data that has not been moved for the specified period can be obtained.
Press the [Non sales] button on the Total Menu screen to display Non-Movement PLU screen.

INFOR
When deleting an item that has not moved, select the item and press the [DELETE] button.

1. **Set the date in MMDDYYYY order since when you want to know items have not moved.**

Example:

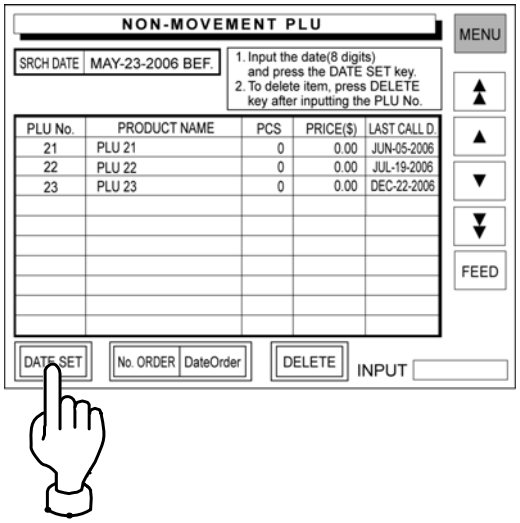
Since May 23, 2006

[0] [5] [2] [3]

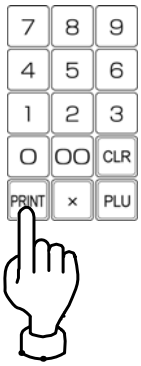
[2] [0] [0] [6]

[DATE SET]

PLUs which have not been moved since the specified date appears on the screen.



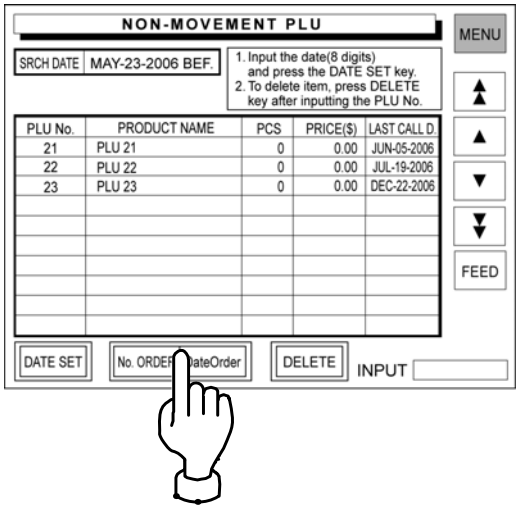
INFOR
To print the total data, press the [PRINT] key on the keypad.

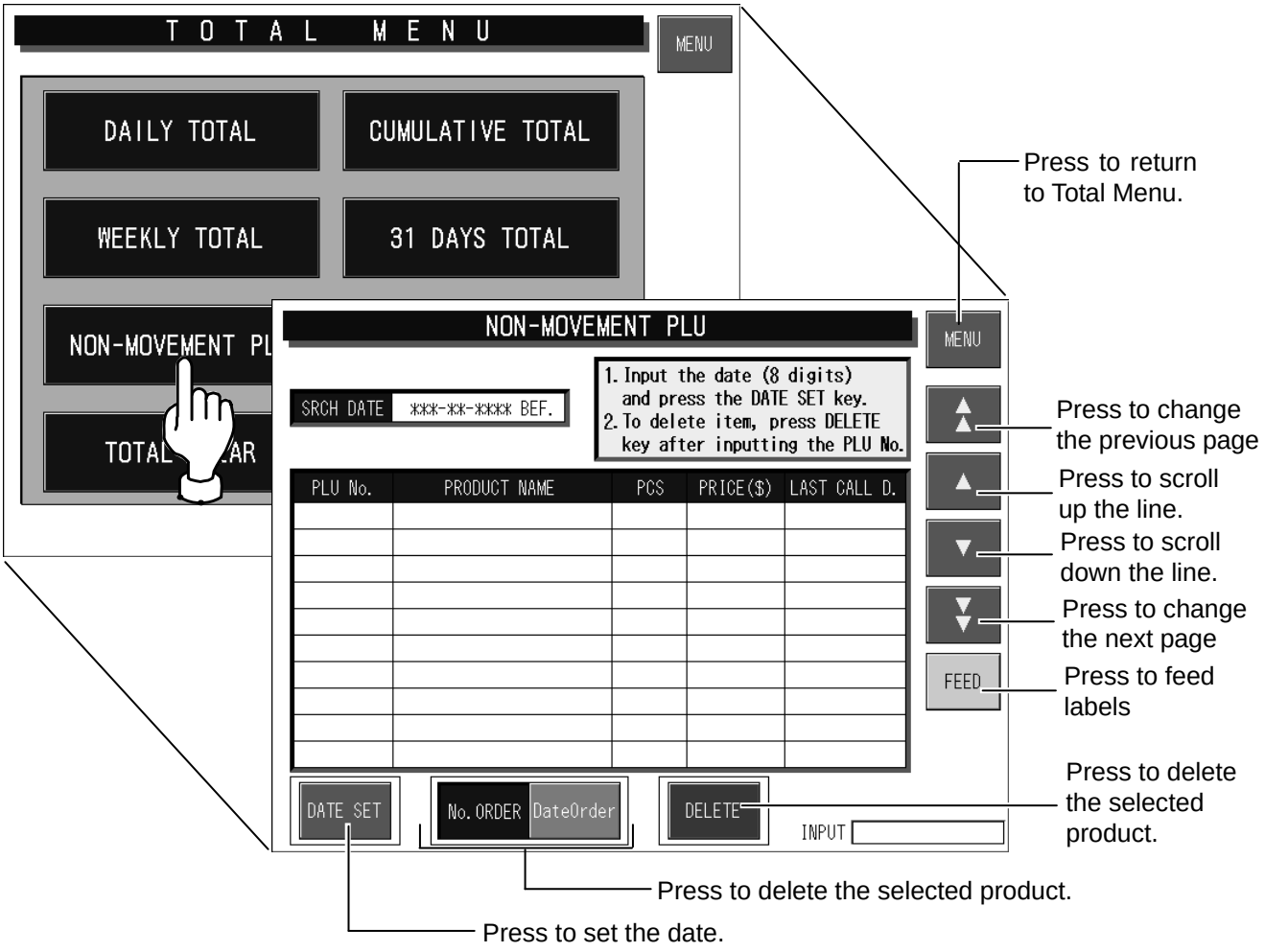


2. **Press to select one of the following buttons:**

[No. ORDER] In descending order

[DATE ORDER] In older date order

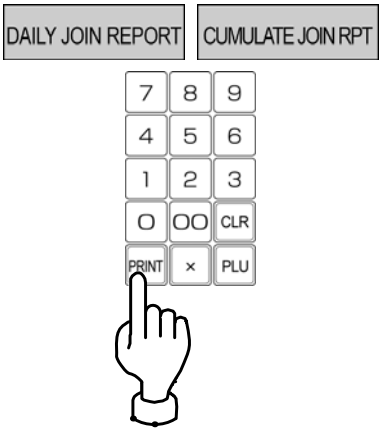


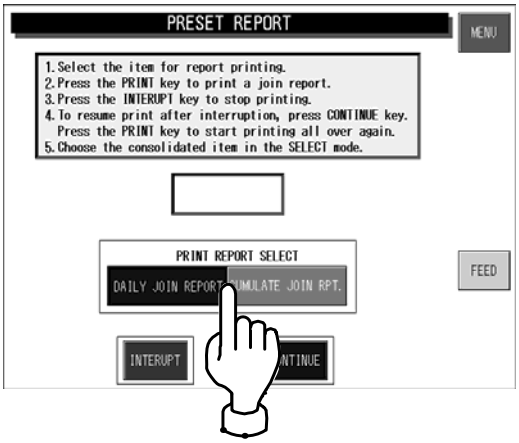

T O T A L M E N U
MENU
DAILY TOTAL
CUMULATIVE TOTAL
WEEKLY TOTAL
31 DAYS TOTAL
NON-MOVEMENT PL
TOTAL
NON-MOVEMENT PLU
SRCH DATE ***-**-**** BEF.
1. Input the date (8 digits) and press the DATE SET key.
2. To delete item, press DELETE key after inputting the PLU No.
PLU No.
PRODUCT NAME
PCS
PRICE($)
LAST CALL D.
MENU
FEED
DATE SET
No. ORDER
DateOrder
DELETE
INPUT
Press to return to Total Menu.
Press to change the previous page
Press to scroll up the line.
Press to scroll down the line.
Press to change the next page
Press to feed labels
Press to delete the selected product.
Press to delete the selected product.
Press to set the date.

4.6 PRESET REPORT

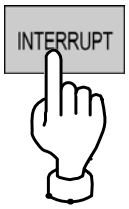
This function is to combine desired totals and issue combined total reports.
Preset report is available for Daily and Cumulative totals.
Press the [Report print] button on the Total Menu screen to display Preset Report screen.

1. **Press to select either [DAILY JOIN REPORT] or [CUMULATE JOIN REPORT] button, and press the [PRINT] key on the keypad.**



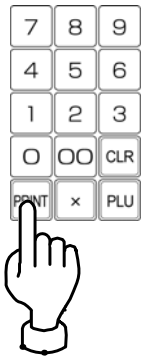


● **To interrupt report printing, press the [INTERRUPT] button.**

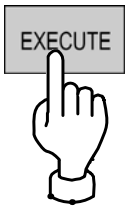


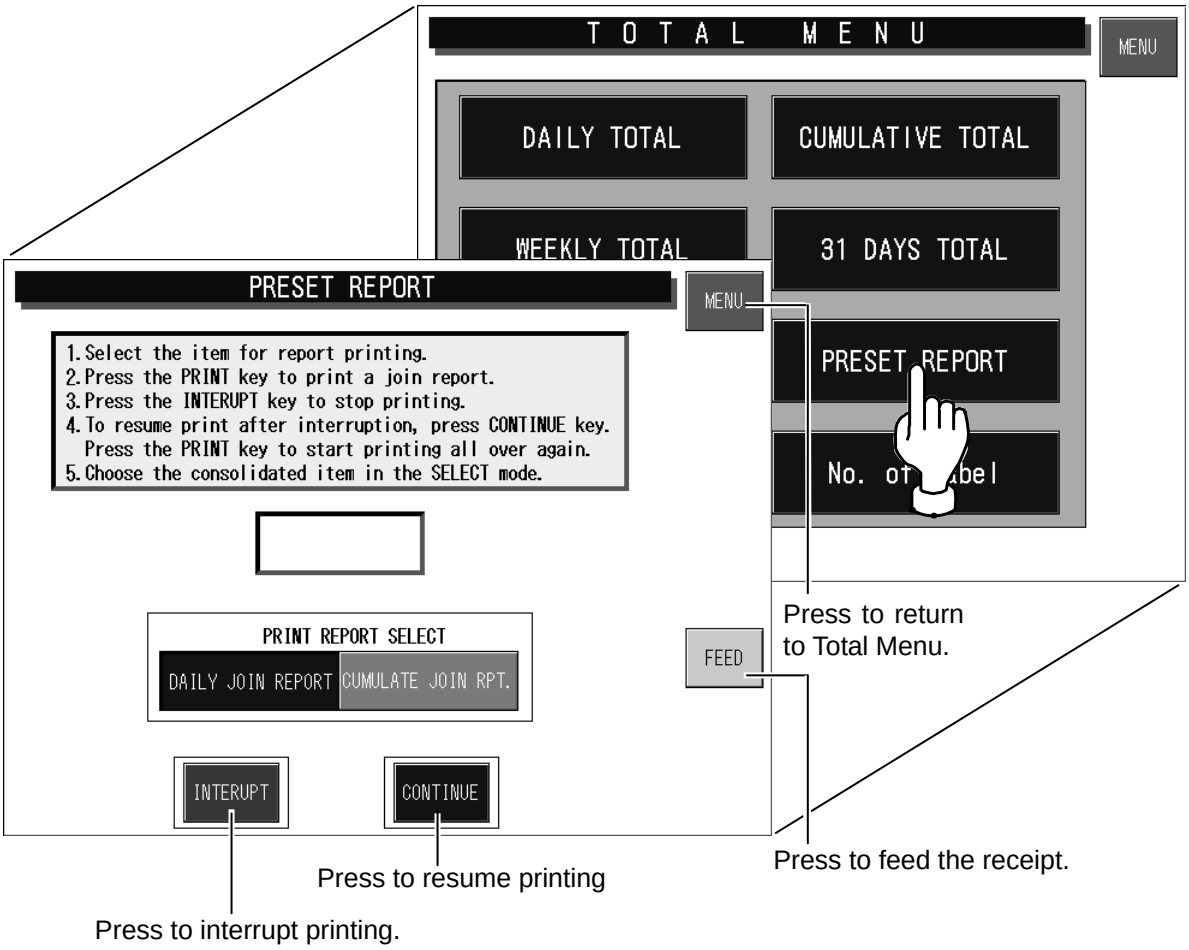
● **To resume report printing, press the [CONTINUE] button.**

● **To start report printing from the beginning, press the [PRINT] key.**



2. **Press the [EXECUTE] button on the delete confirmation screen.**



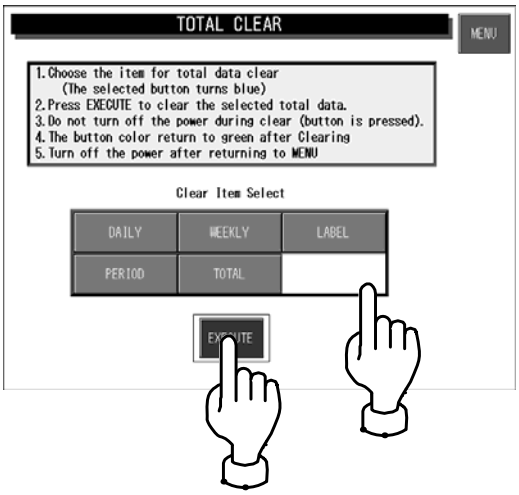


4.7 TOTAL CLEAR

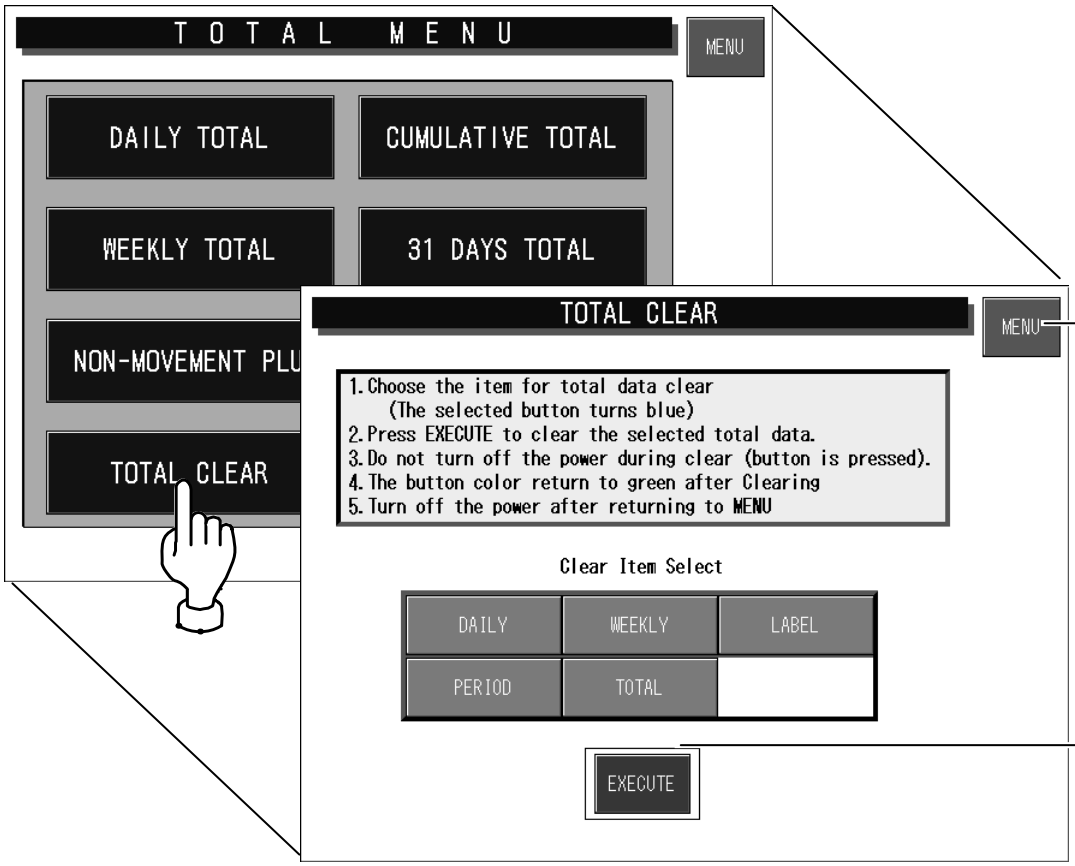
This function is to clear the specified total data.
Press the [Total clear] button on the Total Menu screen to display Total Clear screen.

1. **Press to select one of items to be cleared and press the [EXECUTE] button.**

The delete confirmation screen appears.



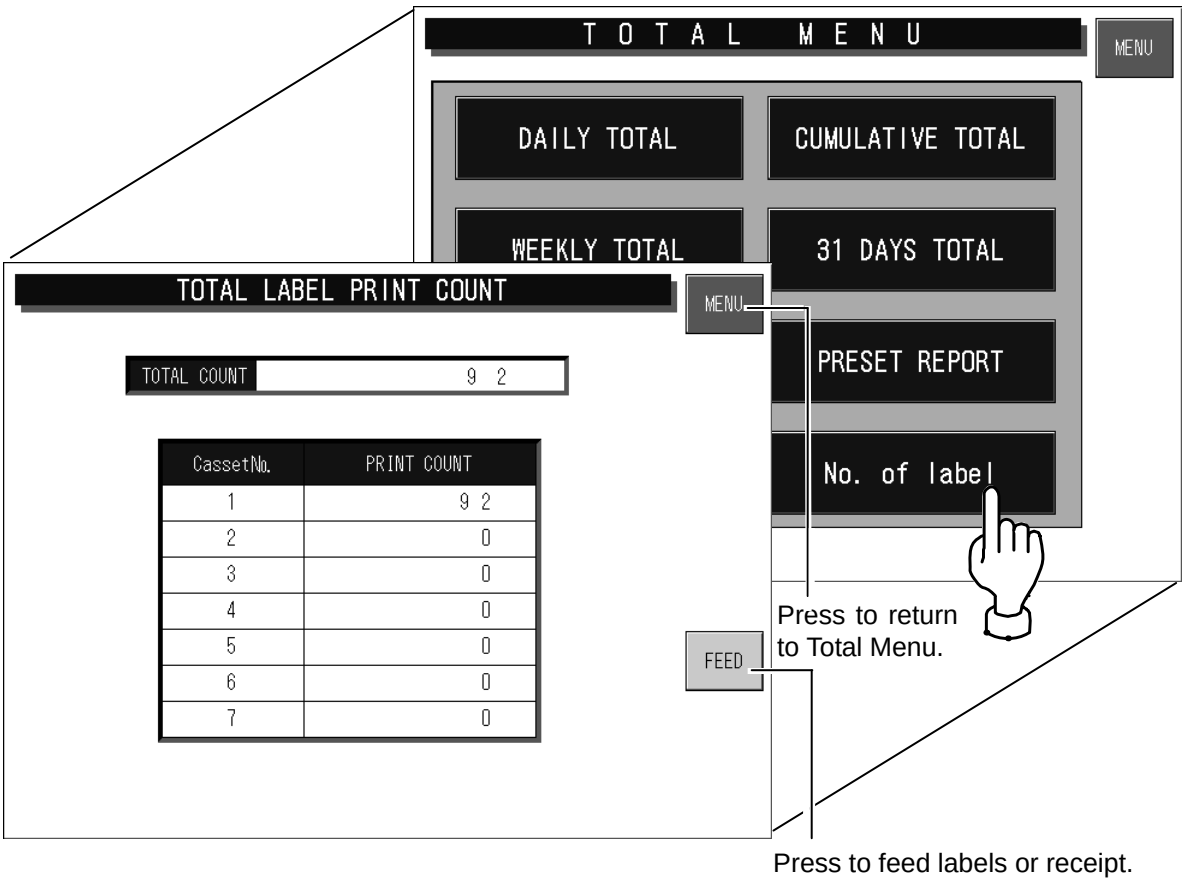
2. **Press the [EXECUTE] button to complete the deletion.**



Press to return to Total Menu.

Press to clear the selected item.

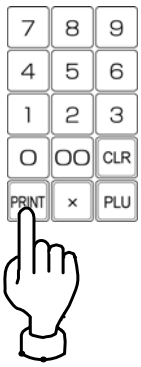
4.8 NUMBER OF LABELS



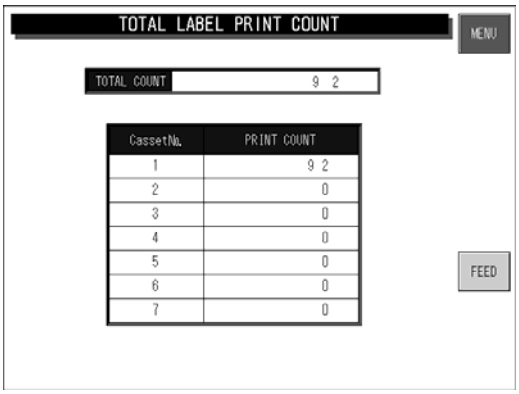
This function checks and prints the number of issued labels.
Press the [No. of label] button on the Total Menu screen to display Total Label Print Count screen.

INFOR

To print the total data, press the [PRINT] key on the keypad.



Check the number of issued labels for each cassette number.



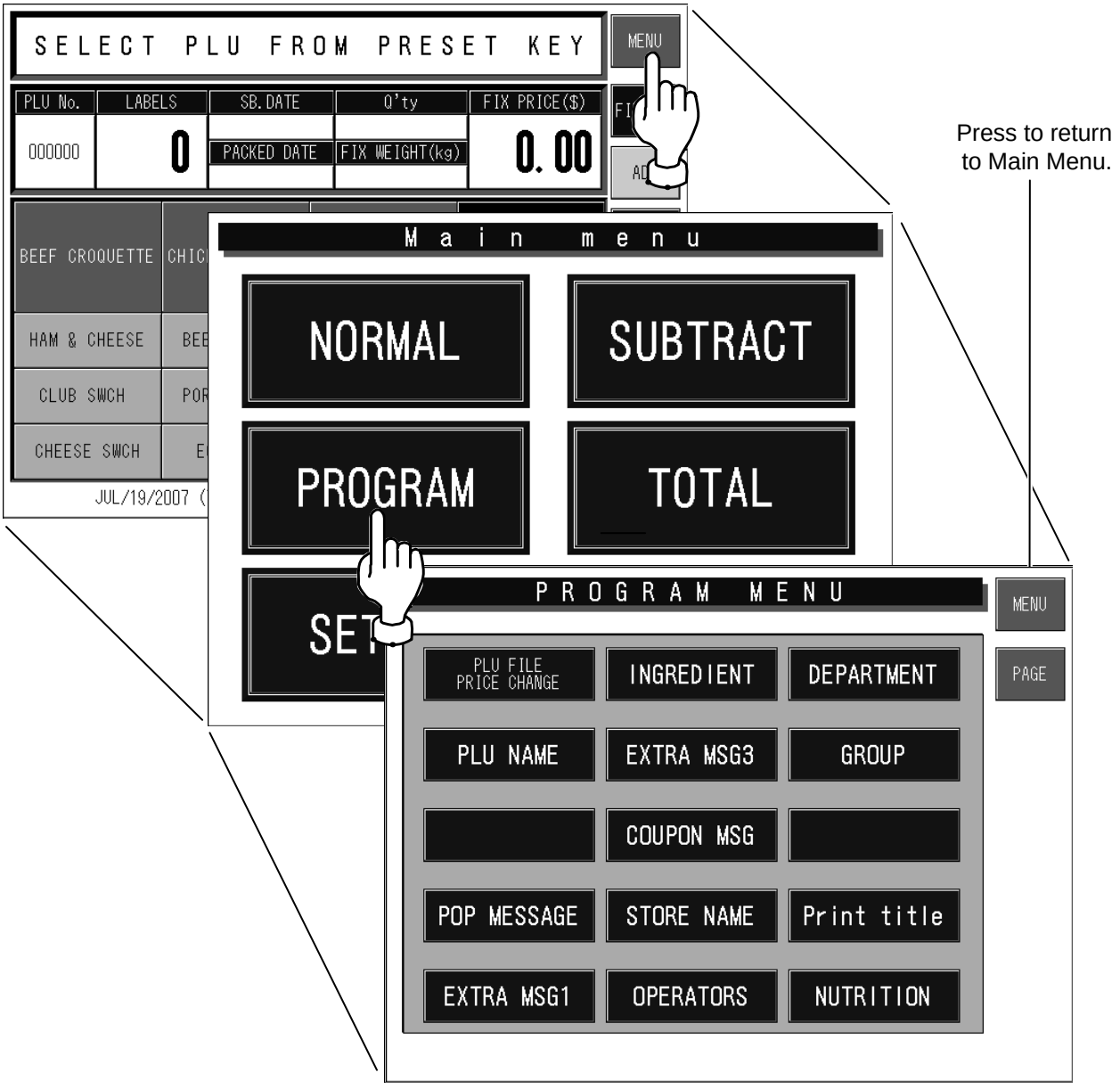
Chapter 5

PROGRAM MENU

5.1 PROGRAM MENU ENTRY

Program Menu is used to register various preset data required for daily operations.
Press the [MENU] button on the initial screen and press the [PROGRAM] button on the Main Menu to enter Program Menu.

Note: When a password is programmed for accessing Program Menu, enter the 6-digit password number using the keypad before pressing the [PROGRAM] button.
See section 6-4 "Password Setting".



5.2 ITEM DATA REGISTRATION

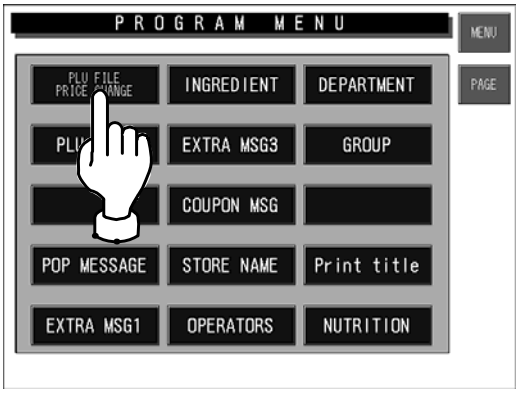
Product names and the associated data can be registered.

5.2.1 CHANGING UNIT/FIXED/MARKDOWN PRICES

You can change the unit price, fixed price, and special price. When the product data is not registered, register the data according to 5.2.2 "Registering Product Data".

1. **Press the [PLU FILE PRICE CHANGE] button on Program Menu screen.**

The PLU file price change screen appears.



2. **Select a product you want to change data.**

Example: PLU No.8

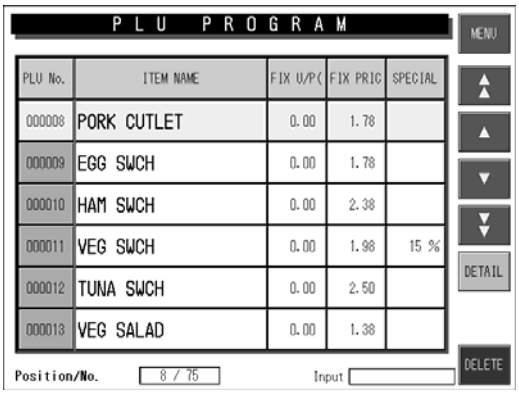
8 PLU

Up to 6 digits can be entered.

Example:
When you do not remember the PLU number well.

Enter an approximate number and press the scroll button.

8 ▲▲



▲	Used to select the previous PLU.
▼	Used to select the following PLU.
▲▲	Used to scroll up the screen.
▼▼	Used to scroll down the screen.

INFOR
You can also directly press to select the desired product when it is on the list.

INFOR
When you enter “0” and press ▲ or ▲▲ button, the first product of the list is selected.
When you enter “0” and press ▼ or ▼▼ button, the last product of the list is selected.

INFOR

When you set the unit price, the fixed price will become “0”, and when you set the fixed price, the unit price will become “0”.

INFOR

To release the special price setting, enter “0” and press the [SPECIAL] column.

3. Enter a price you want to change and press the corresponding field.

Example:
Change the fixed unit price to $1.00.

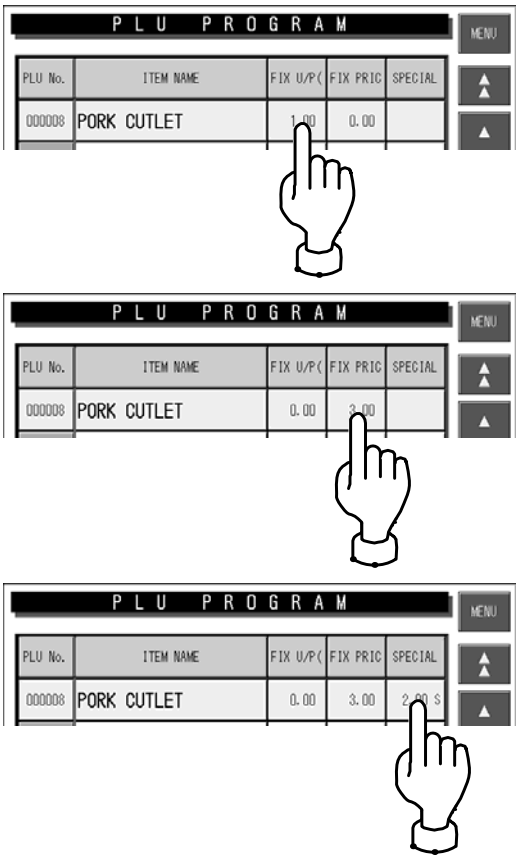
1 0 0

Example:
Change the fixed price to $3.00.

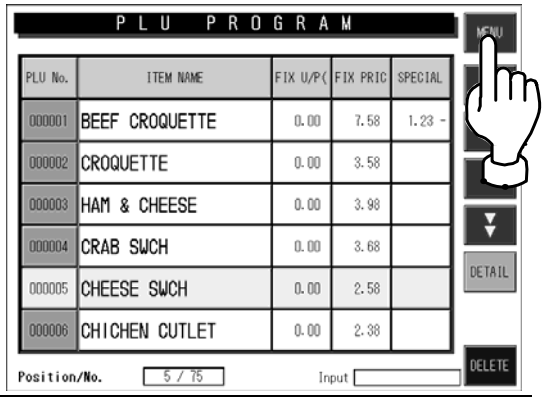
3 0 0

Example:
Change the special price to $2.00.

2 0 0

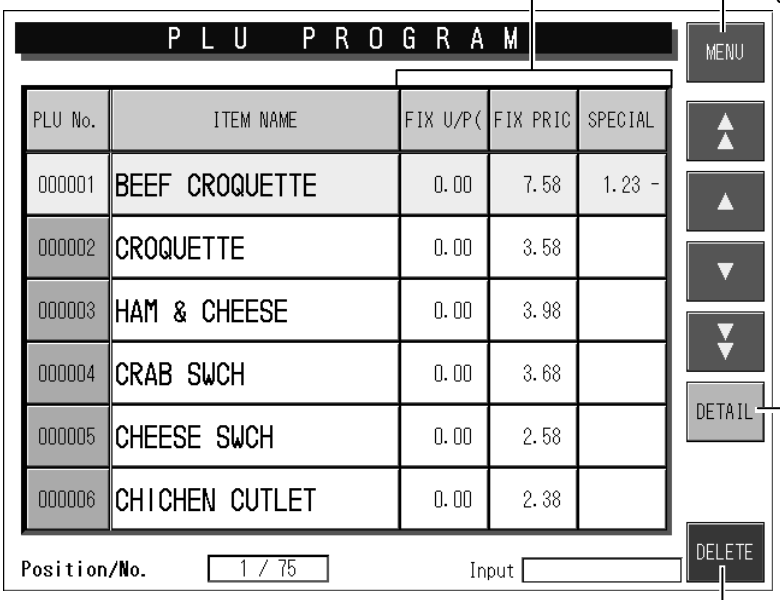


4. Press the [MENU] button on the screen to finish settings of the unit price, fixed price and special price.



INFOR

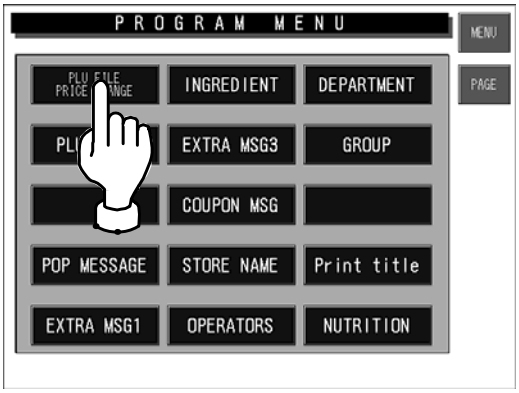
You can also change the unit price, fixed price, and special price on the product data program screen.



5.2.2 REGISTERING PRODUCT DATA

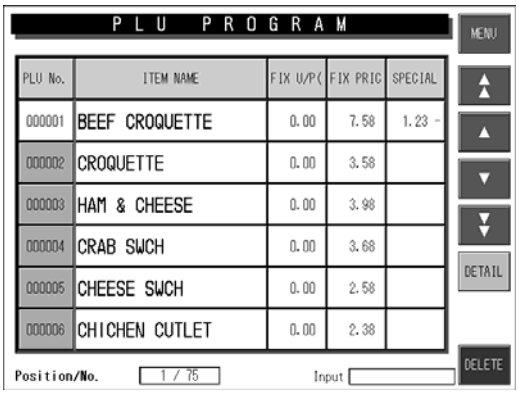
1. **Press the [PLU FILE PRICE CHANGE] button on Program Menu screen.**

The PLU file price change screen appears.



2. **Enter a PLU number.**

Up to 6 digits can be entered.



INFOR

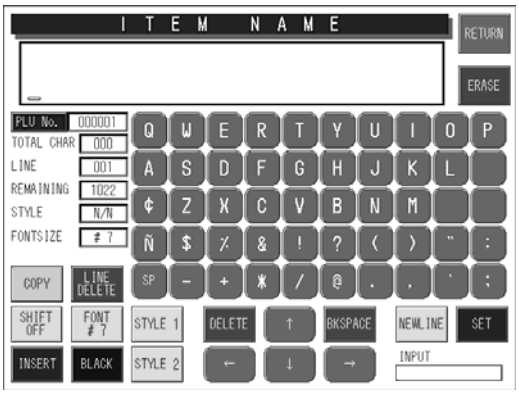
You can also use ▲ ▲▲ ▼ ▼▼ buttons to find the desired product on the list and press to select the desired field.

Example:
Create a new product data.

Enter the PLU number and press the [PLU] key on the keypad.

0 ●●● 9 PLU

The item data registration screen appears.



Example:
Change a product data that has been already registered.

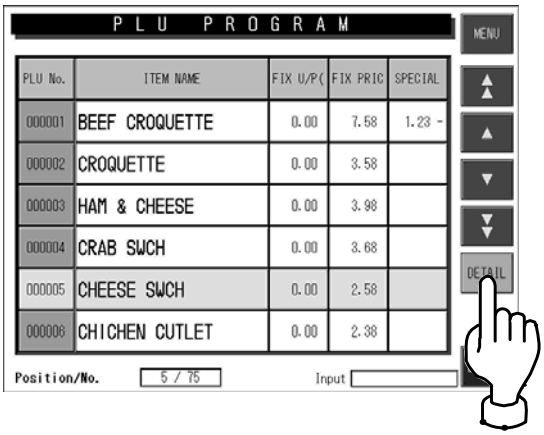
Enter the PLU number and press the [PLU] key on the keypad.

0 ●●● 9 PLU

Confirm that the product is selected on the screen, and press the [DETAIL] button.

DETAIL

The item data registration screen appears.

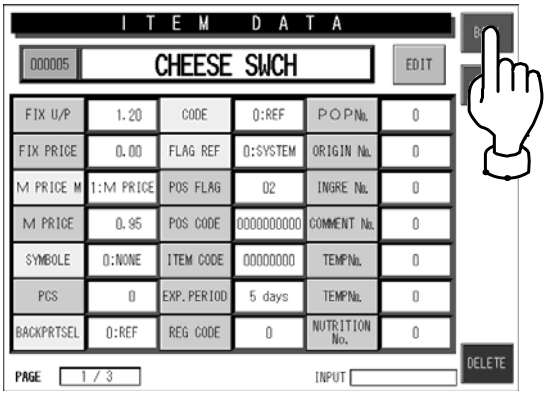


INFOR

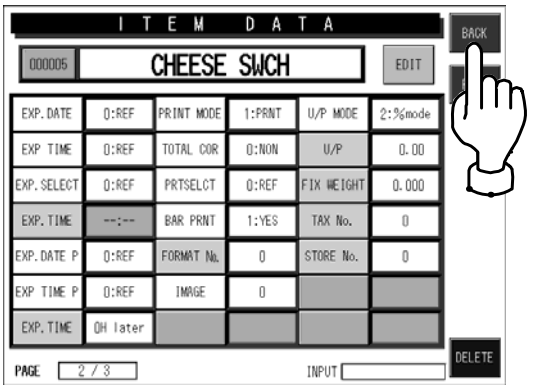
See “Item Data Registration Screens 1/3 – 3/3” on the following pages for more information.

.

3. **Register necessary items for the selected product.**



PAGE

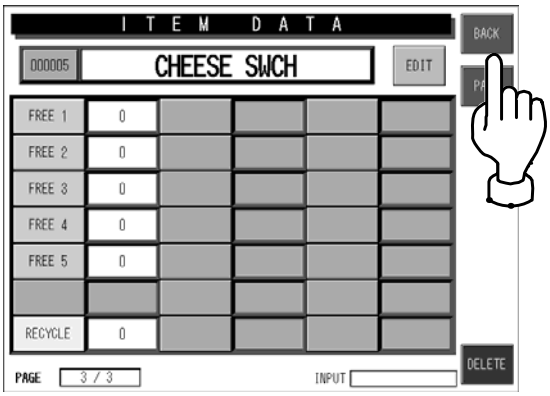


4. **Finish the data registration.**

BACK

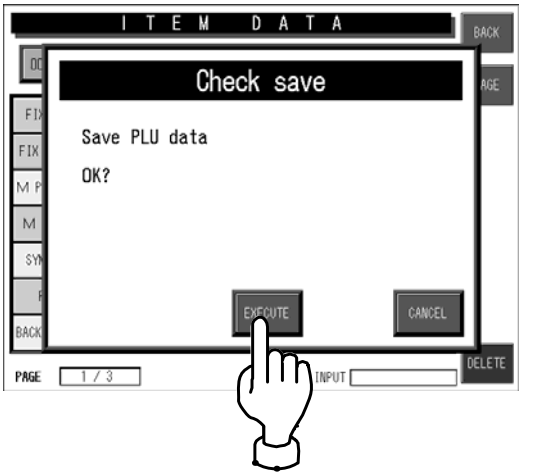
The data save confirmation screen appears.

PAGE



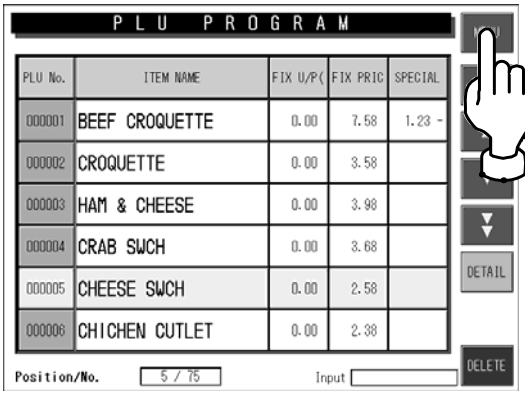
5. **Press the [EXECUTE] button to save the data.**

The data is saved and the display returns to the PLU program screen.



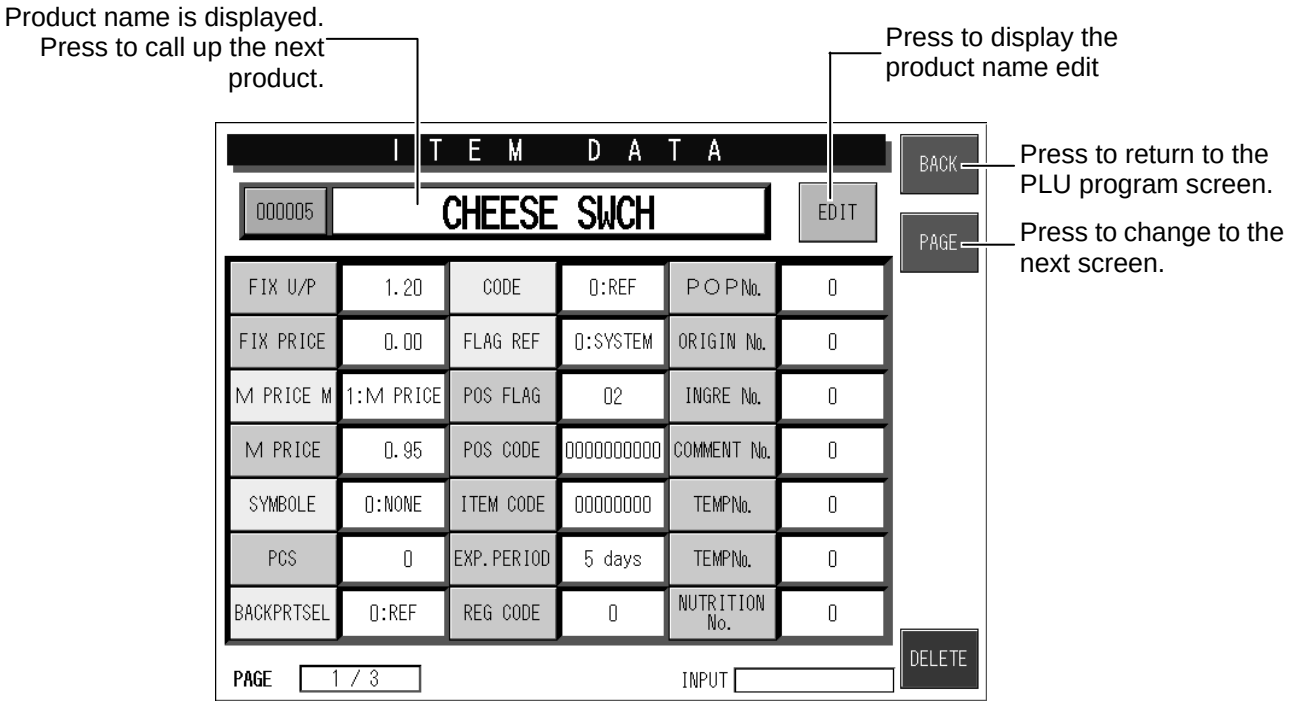
6. **Press the [MENU] button to complete the data registration.**

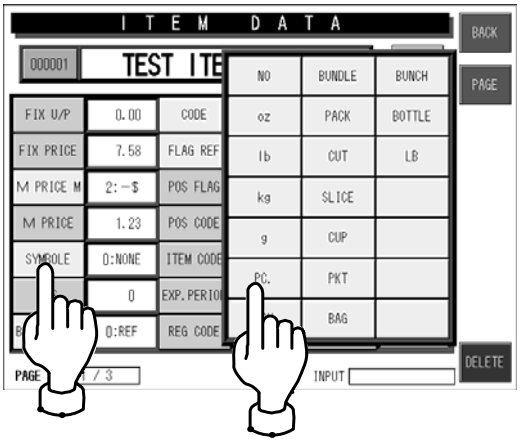
The display returns to Program Menu screen.

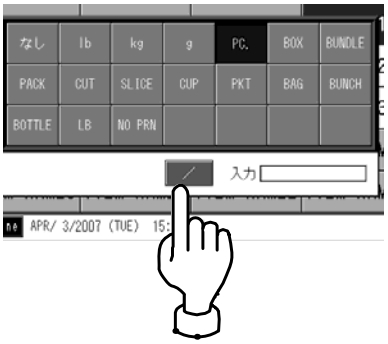


■ Item Data Registration Screen 1/3

Input examples are summarized in the following table.



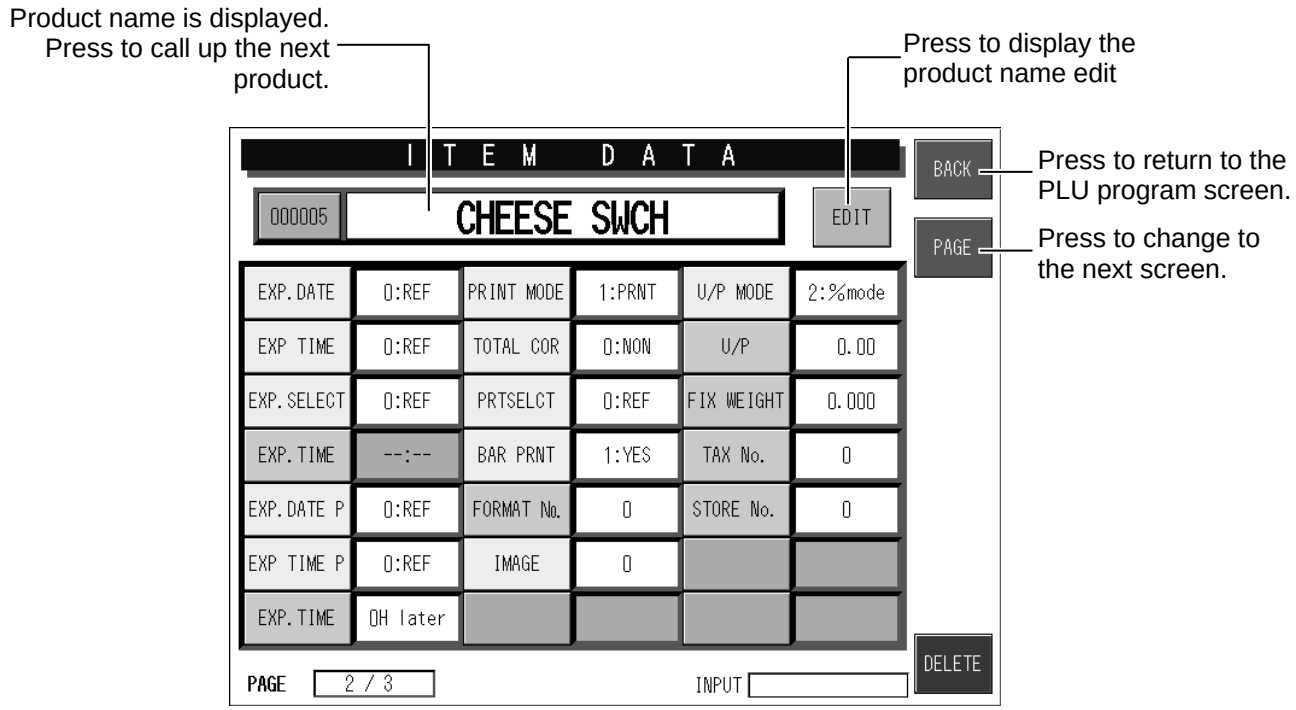
Data	Example	Operation
Product Name	Register a product name.	1. Press the [EDIT] button to display the product name edit screen. 2. Enter the product name. See Appendix “Text Editing” for more information. 3. To return to the item data registration screen, press the [RETURN] button.
FIX U/P **Fixed Unit Price**	Register the fixed unit price “$5.00”.	Up to 5 digits can be entered. 5 00 FIX U/P When the unit price is input, the fixed price is calculated by the unit price multiplied by the fixed weight.
FIX PRICE **Fixed Price**	Register the fixed price “$8.00”.	Up to 5 digits can be entered. 8 00 FIX PRICE
M PRICE MODE **Markdown Price Mode**	Select the markdown method.	When the [M PRICE MODE] field is pressed, the selection screen will appear. NO No markdown M PRICE Special price -$ Amount discount (-$) -% Percent discount (-%)
M PRICE **Markdown Price**	Register the special price “$7.20” for the product with its usual price “$8.00”. * The markdown method must have been selected.	When “NONE” is selected in the markdown price mode, you can not enter a numeric value. Special price (Max. 5 digits) 7 2 0 M PRICE Amount minus (-$)(Max. 5 digits) 8 0 M PRICE Percent minus (-%) (Max. 2 digits) 1 0 M PRICE
SYMBOL **Symbol**	Select “PC."	Press the [SYMBOL] field to display the selection screen and press to select the [PC.] field. 

Data	Example	Operation
PCS **Pieces**	Register “3 pieces” for the fixed price product.	Quantity can be entered up to 4 digits. 3 PCS
		When the quantity print is not required. 0 PCS
	Register “1/2” for the fixed price product.	Press the [PCS] field to display the fraction input screen. Numeric value 1-9 can be entered for each denominator and numerator. 1 / 2 PCS 
BACKPTRSEL **Back Printer Selection**	Select the bottom label printing.	When the [BACK PRINTER SELECT] field is pressed, the selection screen will appear.
		REF Refer to set data
		NO No bottom label issue
		BARCODE Barcode print
		INGRE Ingredient print
		ING+BAR Ingredient & barcode print
		ALL All print except barcode
		ALL+BAR All print including barcode
CODE **Code System**	Select the barcode system.	When the [CODE] field is pressed, the selection screen will appear.
		REF Refer to set data.
		Non-PLU13 Non-PLU 13 digits
		Non-PLU8 Non-PLU 8 digits
		PLU13 PLU 13 digits
		PLU8 PLU 8 digits

Data	Example	Operation
FLAG REF **Flag Reference**	Select the flag reference.	When the [FLAG REF] field is pressed, the selection screen will appear.
		SYSTEM Refer to system.
		ITEM PROG Refer to product registration
POS FLAG **POS Flag**	Register the POS flag “2".	Up to 2 digits can be entered. 2 POS FLAG
POS CODE **POS Code**	Register the POS code “1234567890".	Up to 10 digits can be entered. 1 2 3 4 5 6 7 8 9 0 POS CODE
ITEM CODE **Item Code**	Register the POS code “12345678".	Up to 8 digits can be entered. 1 2 3 4 5 6 7 8 ITEM CODE
EXP. PERIOD **Expiry Period**	Register the expiry period “2 days”.	Up to 4 digits can be entered. 2 EXP. PERIOD
REG. CODE **Register Code**	Register the register code “12”.	Up to 3 digits can be entered. 1 2 REG. CODE
POP NO. **POP Number**	Register the POP number “450”.	Up to 3 digits can be entered. 4 5 0 POP NO.
ORIGIN NO. **Origin Number**	Register the origin number “635”.	Up to 3 digits can be entered. 6 3 5 ORIGIN NO. * Origin names must have been registered.
INGRE NO. **Ingredient Number**	Register the ingredient number “1621”.	Up to 4 digits can be entered. 1 6 2 1 INGRE NO. * Ingredient names must have been registered.
COMMENT NO. **Comment Number**	Register the comment number “53”.	Up to 2 digits can be entered. 5 3 COMMENT NO. * Comments must have been registered.
TEMP NO. **Temperature Number**	Register the storage temperature number “94”.	Up to 2 digits can be entered. 9 4 TEMP NO. * Storage temperatures must have been registered.
STORAGE **Storage Method**	Register the storage method number “29”.	Up to 2 digits can be entered. 2 9 STORAGE * Storage methods must have been registered.
NUTRITION NO. **Nutrition Number**	Register the nutrition number “29”.	Up to 2 digits can be entered. 2 9 NUTRITION NO. * Nutrition messages must have been registered.

■ Item Data Registration Screen 2/3

Input examples are summarized in the following table.



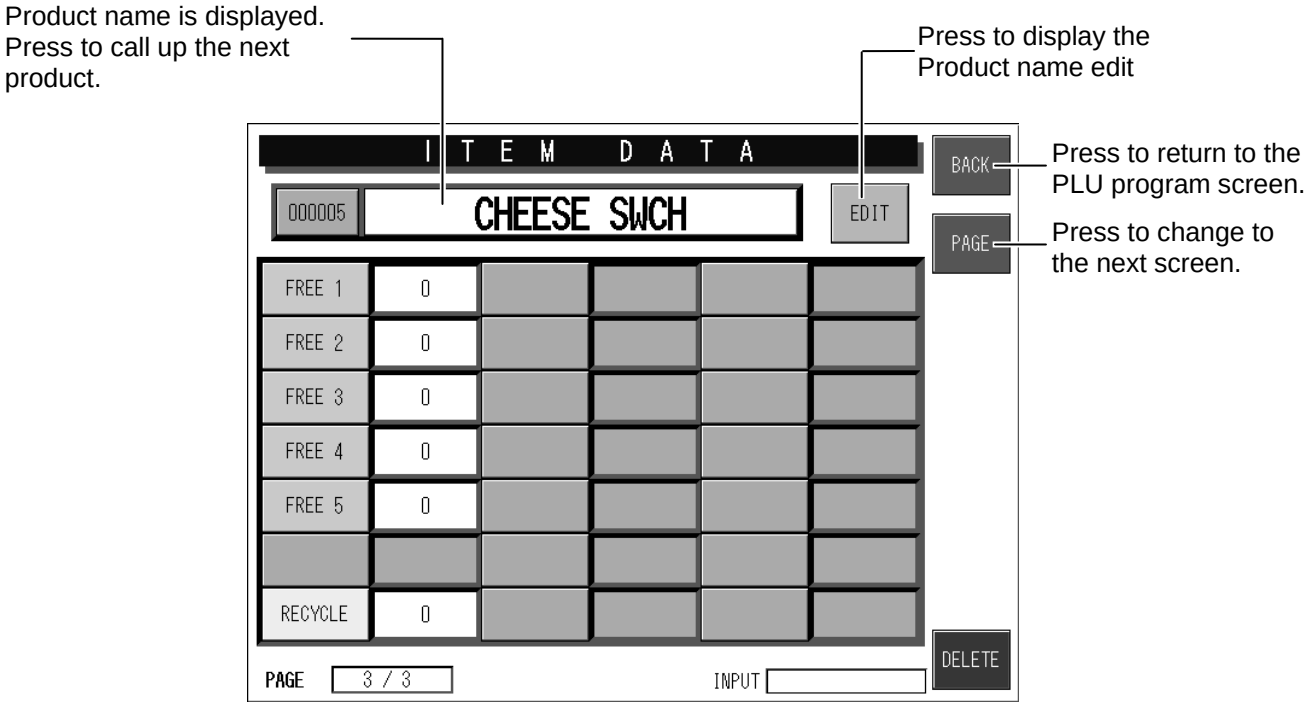
Data	Example	Operation
PACK DATE P **Pack Date Print**	Select whether or not to print the date on each label.	When the [PACK DATE PRINT] field is pressed, the selection screen will appear.
		REF Refer to set data.
		YES Print the date on each label.
		NO No date print
PACK TIME P **Pack Time Print**	Select whether or not to print the time on each label.	When the [PACK TIME PRINT] field is pressed, the selection screen will appear.
		REF Refer to set data.
		YES Print the time on each label.
		NO No time print
PTIME SELECT **Pack Time Select**	Select the pack time.	When the [PACK TIME SELECT] field is pressed, the selection screen will appear.
		REF Refer to set data.
		REF Use the set time.
		DESIG Use the internal clock.

Data	Example	Operation
PACK TIME **Pack Time Set**	Set the pack time “13:00”. * The time can be entered only when “Designate” is selected.	Use a round-the-clock time (4 digits). 1 3 00 PACK TIME * Nutrition messages must have been registered.
EXP. DATE P **Expiry Date Print**	Select whether or not to print the date on each label.	When the [EXPIRY DATE PRINT] field is pressed, the selection screen will appear.
		REF Refer to set data.
		YES Print the date on each label.
		NO No date print
EXP. TIME P **Expiry Time Print**	Select whether or not to print the time on each label.	When the [EXPIRY TIME PRINT] field is pressed, the selection screen will appear.
		REF Refer to set data.
		YES Print the time on each label.
		NO No time print
EXP. TIME **Expiry Time**	Set the expiry time “5 hours” later than the pack time. * Time can be entered only when “Designate” is selected.	Up to 4 digits can be entered. 5 EXP. TIME
PRINT MODE **Print Mode**	Select the print mode.	When the [PRINT MODE] field is pressed, the selection screen will appear.
		PRINT Issue labels are issue.
		NO Label issue is prohibited.
		NO ADD Issue labels but not add the data to totals.
TOTAL COL **Total Collection**	Select whether or not to collect totals. * Used in on-line specification.	When the [TOTAL COLLECTION] field is pressed, the selection screen will appear.
		NO Not collect totals.
		YES Collect totals
PRT SELECT **Print Select**	Select whether or not to print top labels.	When the [PRINT SELECT] field is pressed, the selection screen will appear.
		REF Refer to set data.
		PRINT Issue top labels.
		NO Prohibit to issue top labels.

Data	Example	Operation
[BAR PRINT] **Barcode Print**	Select whether or not to print barcode labels on top labels.	When the [BAR PRINT] field is pressed, the selection screen will appear.
		[NO] No print
		[YES] Print
[FORMAT No.] **Format Number**	Register the format number “72”.	Up to 2 digits can be entered. [7] [2] [FORMAT No.]
[IMAGE] **Image Number**	Input the image number “10”.	Up to 2 digits can be entered. [1] [0] [IMAGE] When the [IMAGE No.] field is pressed, the detailed image screen will appear.
[U/P MODE] **Cost Unit Price Mode**	Select the cost unit price mode.	When the [U/P MODE] field is pressed, the selection screen will appear.
		[1: $MODE] Amount mode
		[2: %MODE] Percent mode
[U/P] **Cost Unit Price**	Register the cost unit price “$1.50” for the “$3.00” selling price product. * The cost unit price mode must have been selected.	When the [U/P] field is pressed, the selection screen will appear.
		Amount ($) mode (max. 5 digits) [1] [5] [0] [U/P]
		Percent (%) mode (max. 2 digits) [5] [0] [U/P]
[FIX WEIGHT] **Fix Weight**	Register the fixed weight “160g”.	Up to 5 digits can be entered. [1] [6] [0] [FIX WEIGHT]
[TAX No.] **Tax Number**	Register the tax number “1”.	The numeric value 0 – 9 can be entered. [1] [TAX No.] * Tax rates must have been registered.
[STORE No.] **Store Number**	Register the store number “20”.	Up to 4 digits can be entered. [2] [0] [STORE No.] * Store information must have been registered.

■ Item Data Registration Screen 3/3

Input examples are summarized in the following table.



Product	Example	Operation
FREE 1-5 **Free message 1-5**	Register the free message number “20”.	Up to 2 digits can be entered. 2 0 FREE 1-5 * Free messages must have been registered.

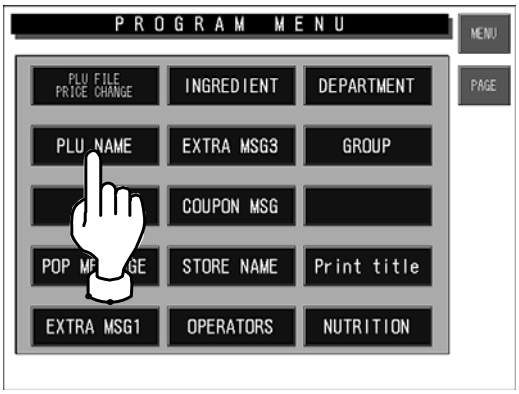
5.3 PRODUCT NAME REGISTRATION

This section explains the product name registration procedure.
You can register a product name when registering each product, and also register product names collectively.

Example: Register “Beef Cutlet Special” in PLU No.7.

1. **Press the [PLU NAME] button on Program Menu screen.**

The text edit screen appears.

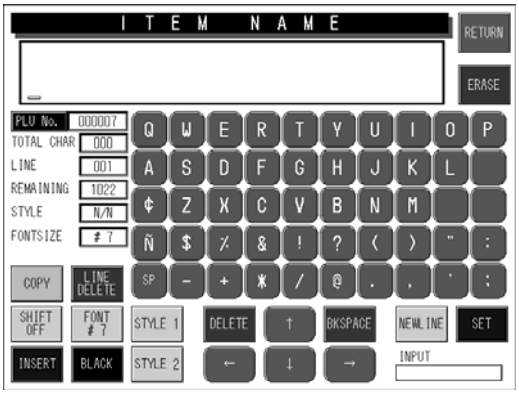


INFOR
You can also input the PLU number by pressing the [PLU No.] field after entering the PLU number.

2. **Enter the PLU number and press the [PLU] key.**

7 PLU

Up to 6 digits can be entered.

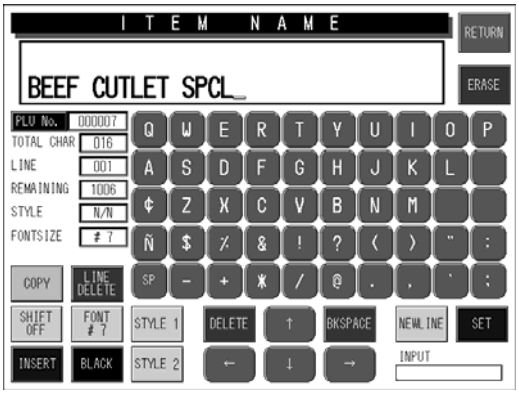


REFER
Refer to Appendix “Text Editing” for more information.

3. **Enter the product name.**

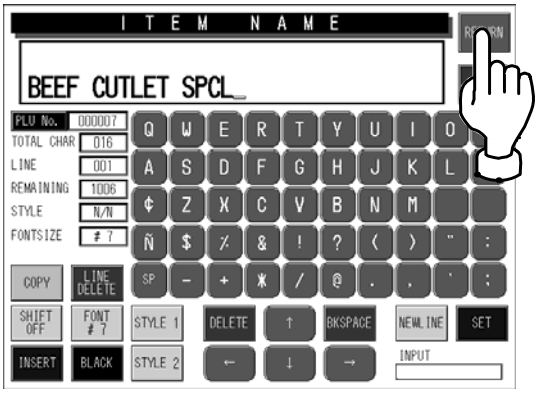
A ●●● Z

Up to 511 characters can be entered.



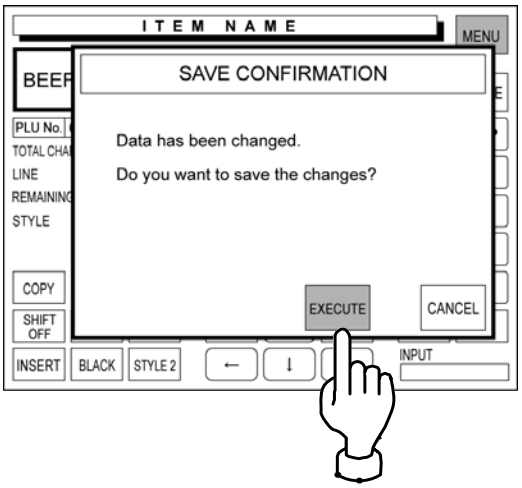
4. **Press the [RETURN] button to finish the product name registration.**

The data save confirmation screen appears.



5. **Press the [EXECUTE] button to save the data.**

The data is saved and the display returns to Program Menu screen.

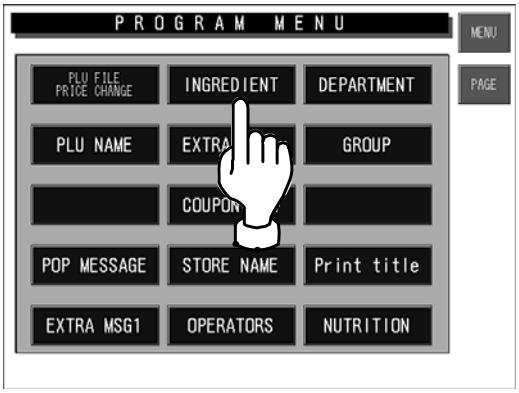


5.4 INGREDIENT NAME REGISTRATION

This section explains the ingredient name registration procedure.

1. **Press the [INGREDIENTS] button on Program Menu screen.**

The ingredient registration screen appears.



2. **Select a desired data.**

Example: Ingredient No.5

5 PLU

Up to 4 digits can be entered.

Example:
When you do not remember the number well.

Enter an approximate number and press the scroll button.

5 ▲▲

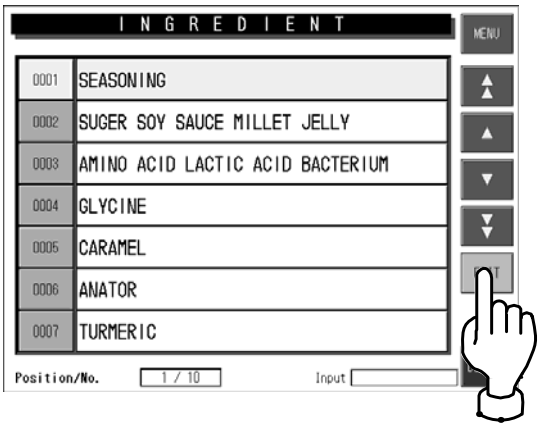
▲	Used to select the previous number.
▼	Used to select the following number.
▲▲	Used to scroll up the screen.
▼▼	Used to scroll down the screen.

INFOR
You can also directly press to select the desired product when it is on the list.

INFOR
When you enter “0” and press ▲ or ▲▲ button, the first product of the list is selected.
When you enter “0” and press ▼ or ▼▼ button, the last product of the list is selected.

3. **Press the [EDIT] button on the screen.**

The text edit screen appears.

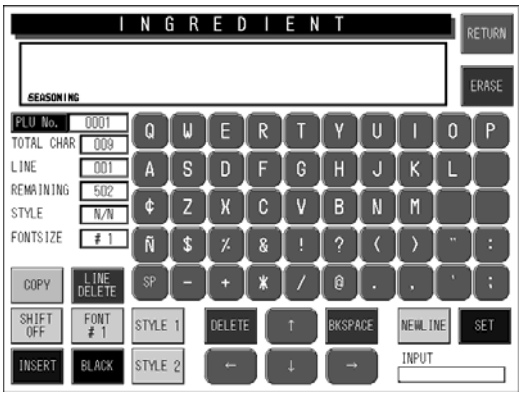


REFER
Refer to Appendix “Text Editing” for more information.

4. **Enter the text.**

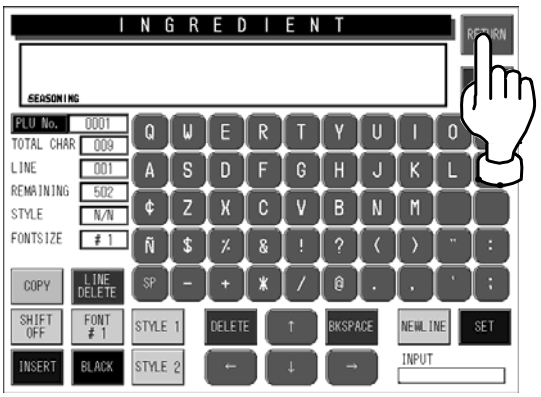
A ●●● Z

Up to 511 characters can be entered.

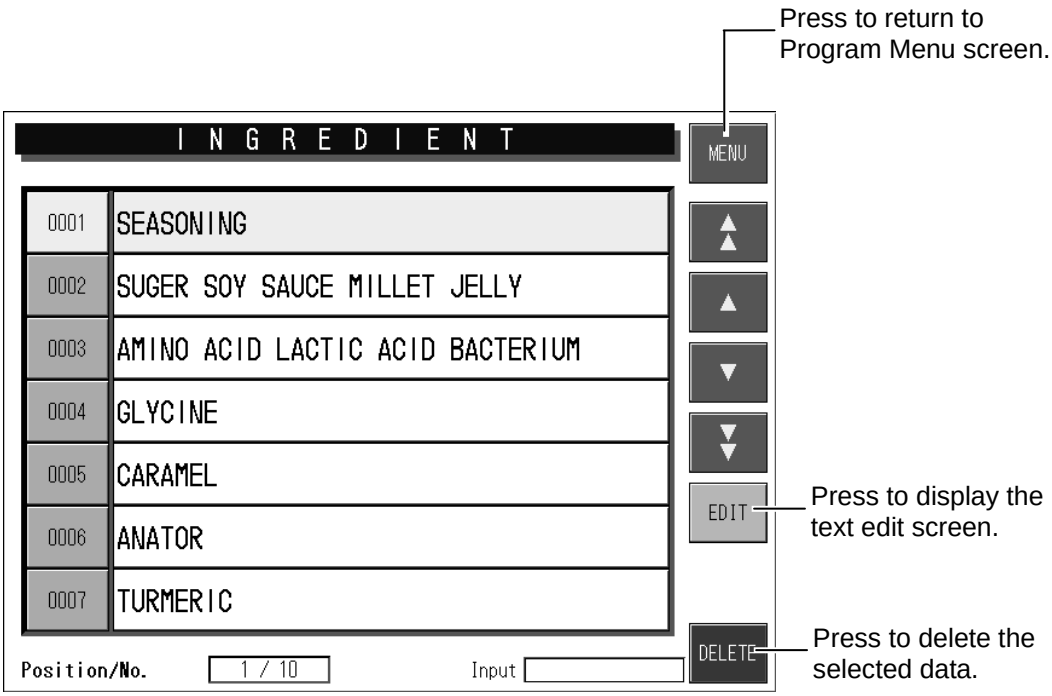


5. **Press the [RETURN] button to finish the text registration.**

The data save confirmation screen appears.

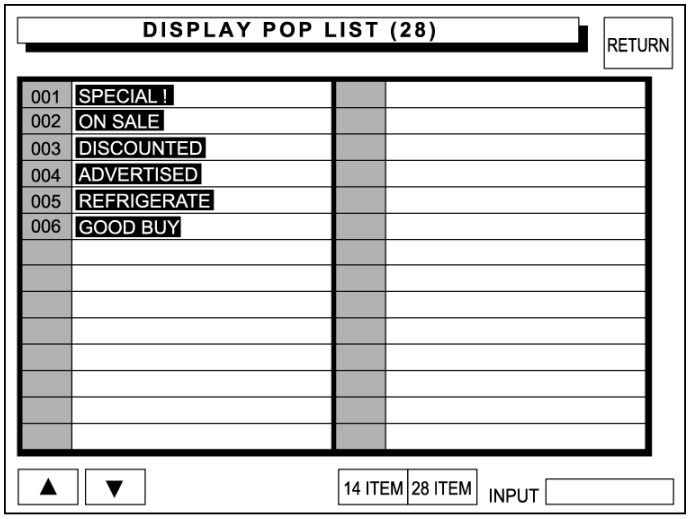


6. **Press the [EXECUTE] button to save the text data.**


Press to return to
Program Menu screen.
I N G R E D I E N T
MENU
0001 SEASONING
0002 SUGER SOY SAUCE MILLET JELLY
0003 AMINO ACID LACTIC ACID BACTERIUM
0004 GLYCINE
0005 CARAMEL
0006 ANATOR
0007 TURMERIC
EDIT
Press to display the
text edit screen.
DELETE
Press to delete the
selected data.
Position/No. 1 / 10
Input

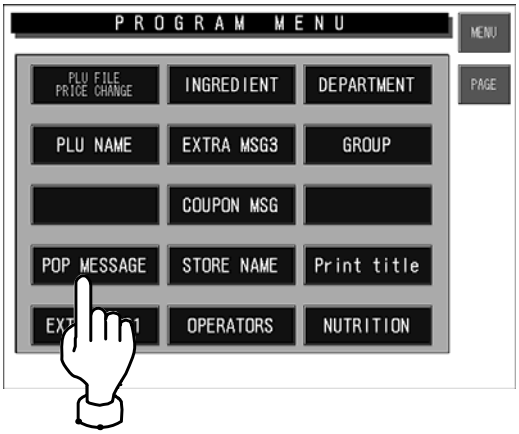
5.5 POP MESSAGE REGISTRATION

POP message can be registered within the range from message numbers 7 through 999.
Message numbers 1 through 6 are default settings as follows:



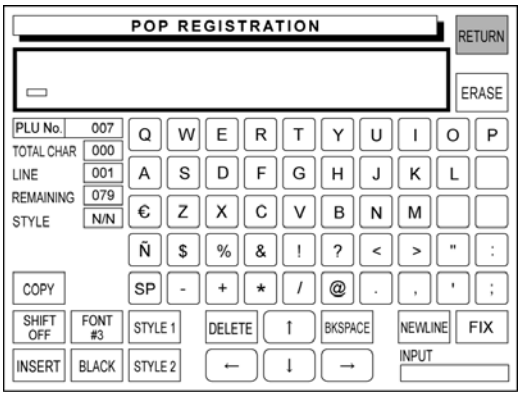
1. **Press the [POP MESSAGE] button on Program Menu screen.**

The POP message registration screen appears.



2. **Enter the message number and press the [PLU] key on the keypad.**

Example: Message No.7



REFER

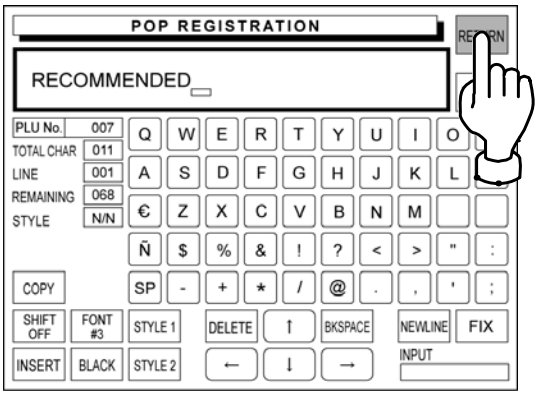
Refer to Appendix “Text Editing” for more information.

3. **Enter the text.**

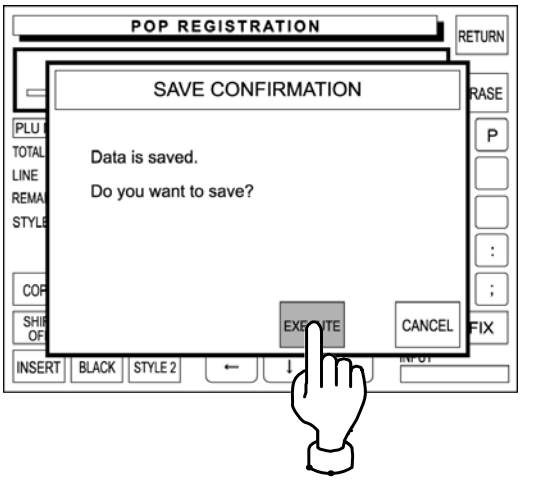
A ●●● Z

Up to 75 characters can be entered.

Press the [RETURN] button to finish the text edit.



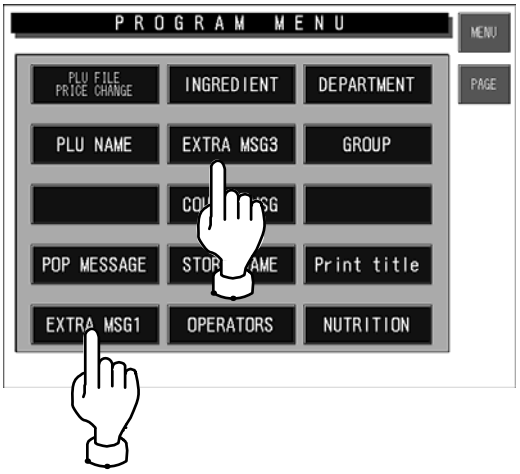
4. **Press the [EXECUTE] button to save the data.**



The same procedure can be applied for the following registrations.

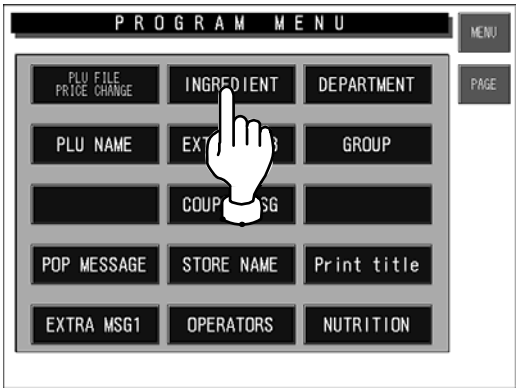
Extra Message Registration

Storage temperature information for each product can be registered. The temperature numbers can be entered up to 999999.



Ingredient Registration

Product storage method information for each product can be registered. The storage method numbers can be entered up to 999999.

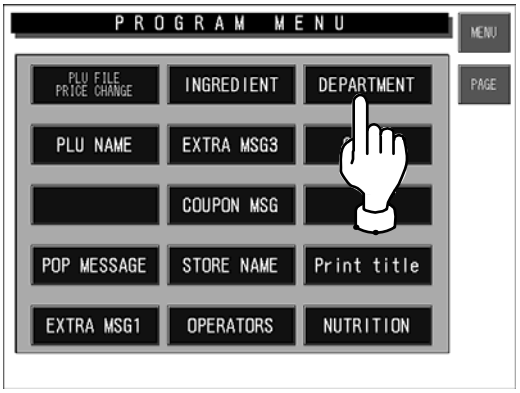


Operator Name Registration

Operator names can be registered.
The operator numbers can be entered up to 999999.

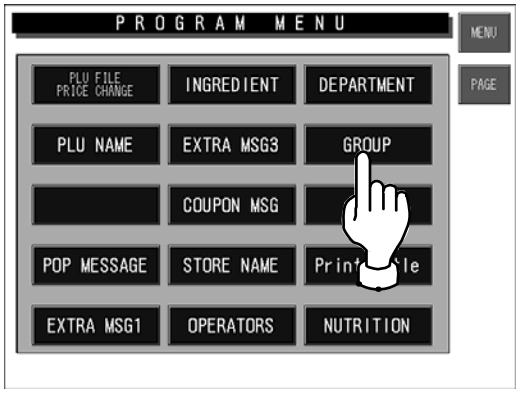
Department Name Registration

Category names can be registered.
The category numbers can be entered up to 999999.



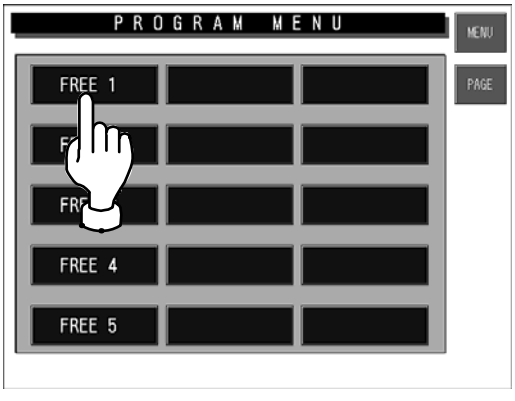
Group Name Registration

Middle category names can be registered.
The category numbers can be entered up to 999999.



Free Message Registration

Free messages can be registered.
The message numbers can be entered up to 999999.



5.6 STORE NAME/ADDRESS REGISTRATION

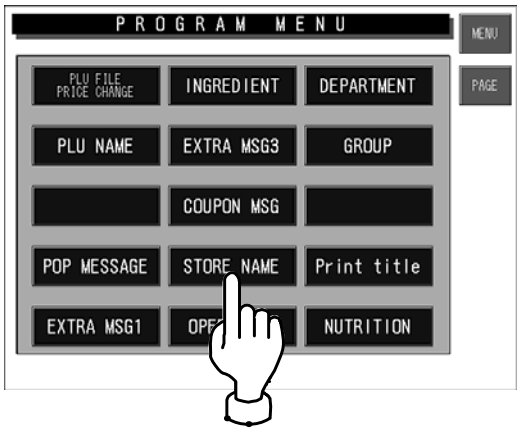
This section explains the store name and address registration procedures. These names and addresses will be printed on labels.

5.6.1 Store Name Registration

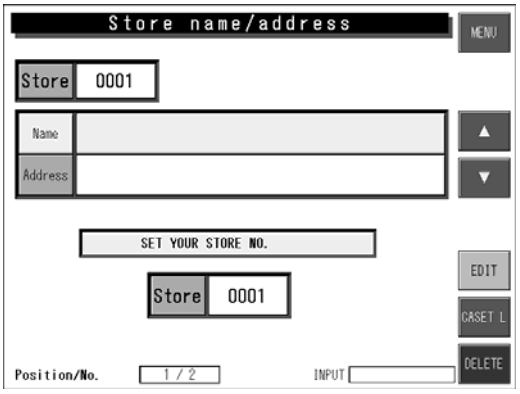
Example: Register the store name “SUPER ISHIDA” in Store No.1.

1. **Press the [ADDRESS] button on Program Menu screen.**

The store name/address registration screen appears.



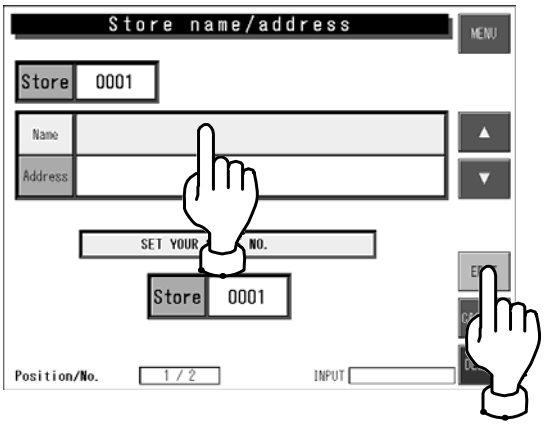
2. **Enter the desired store number and press the [PLU] key on the keypad.**



3. **Confirm that the store name field is selected. Otherwise, press to select the name field.**

Press the [EDIT] button.

The text edit screen appears.



REFER
Refer to Appendix “Text Editing” for more information.

4. **Enter the store name.**

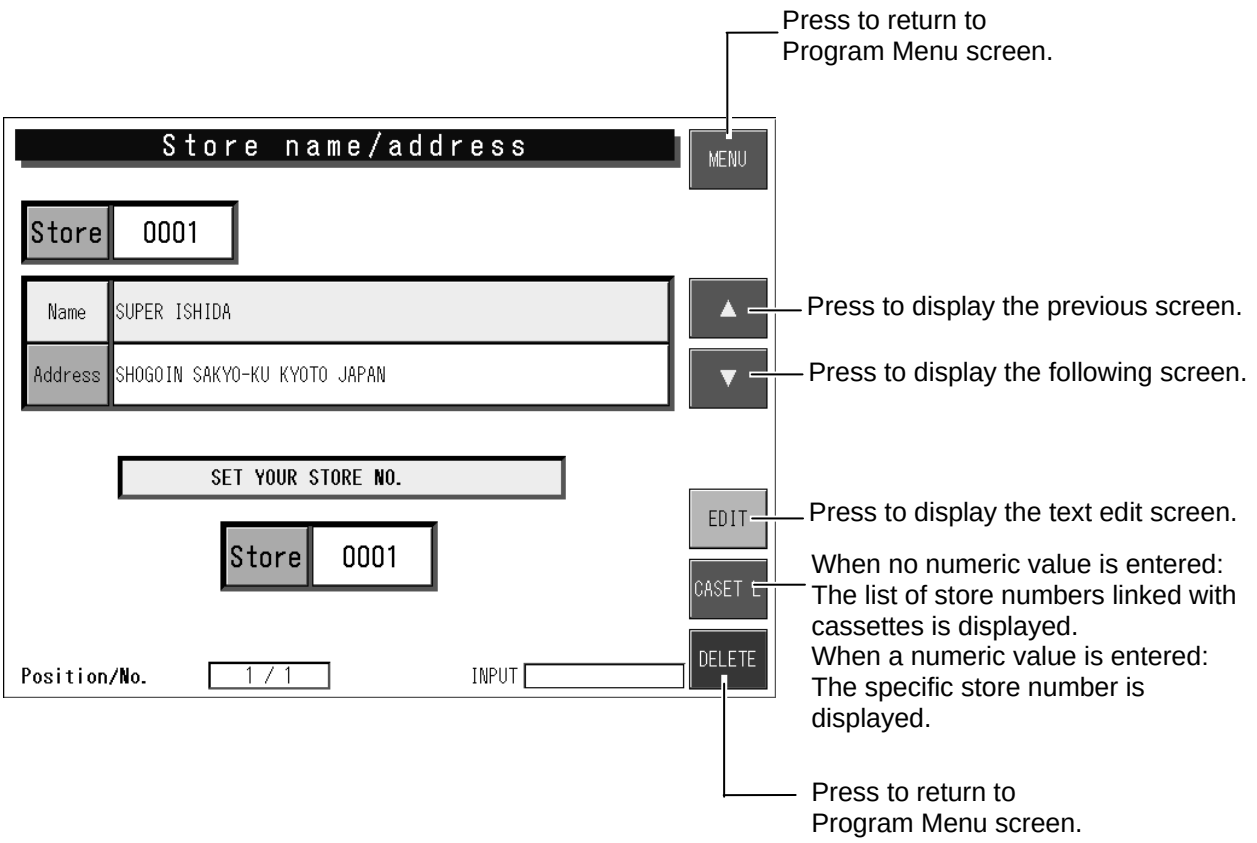
A ●●● Z

Up to 48 characters can be entered.

5. **Press the [RETURN] button to finish the registration.**

The save confirmation screen appears.

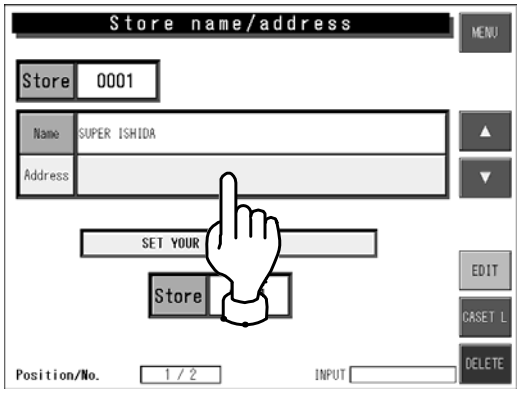
6. **Press the [EXECUTE] button to save the data.**



5.6.2 Store Address Registration

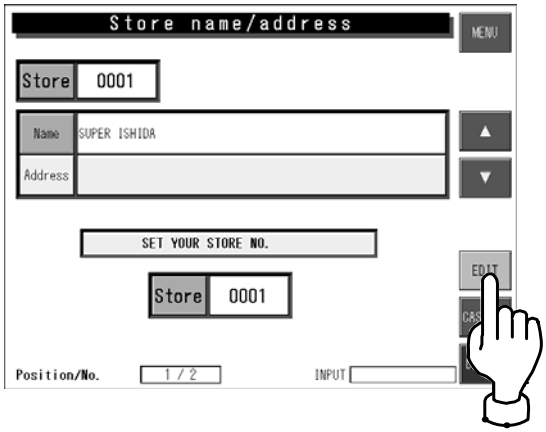
Example: Register the store address “BIWAKO SHIGA JAPAN”.

1. **Press to select the address field.**



2. **Press the [EDIT] button.**

The text edit screen appears.

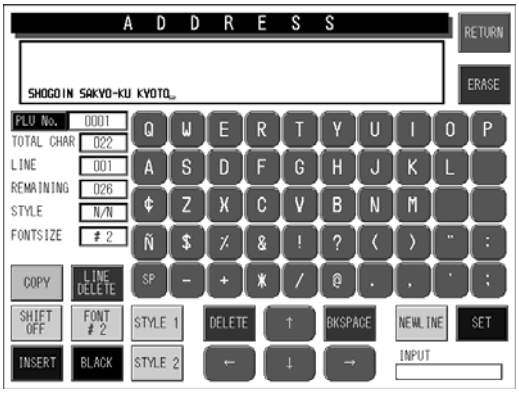


REFER
Refer to Appendix “Text Editing” for more information.

3. **Enter the store address.**

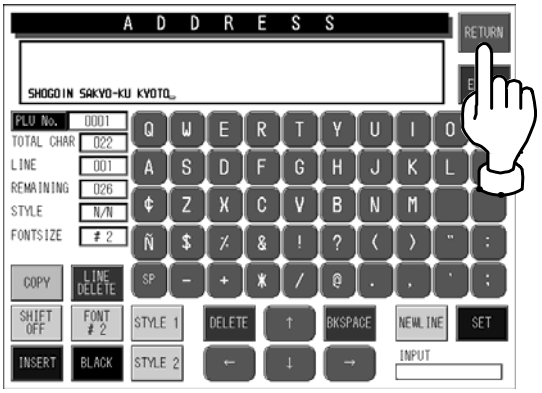
A ●●● Z

Up to 48 characters can be entered.



4. **Press the [RETURN] button to finish the registration.**

The save confirmation screen appears.



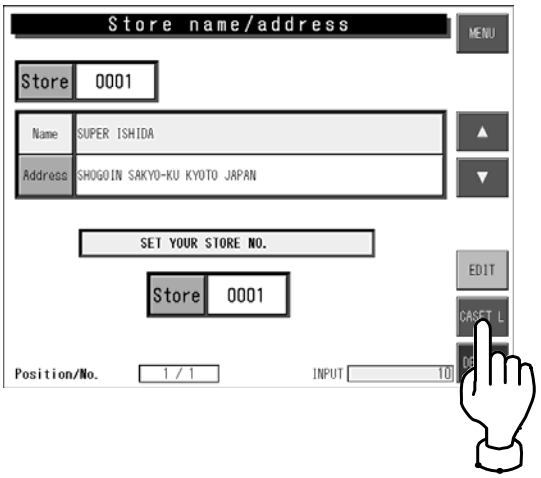
5. **Press the [EXECUTE] button to save the data.**

5.6.3 Cassette Link Registration

Example: Set the store number “1” to link with the cassette number “2”.

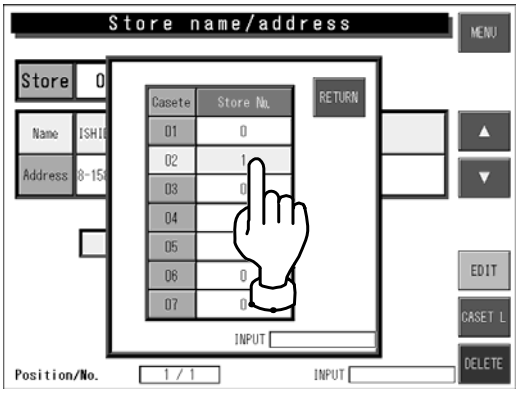
1. **Press the [CASSETTE] button on the store name/address screen.**

The cassette link screen appears.

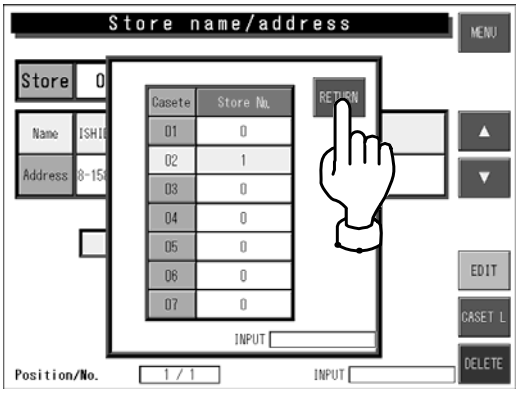


2. **Enter the store number “1” and press the cassette number “02” field..**

1



3. **Press the [RETURN] button to finish the registration.**



5.6.4 Your Store Registration

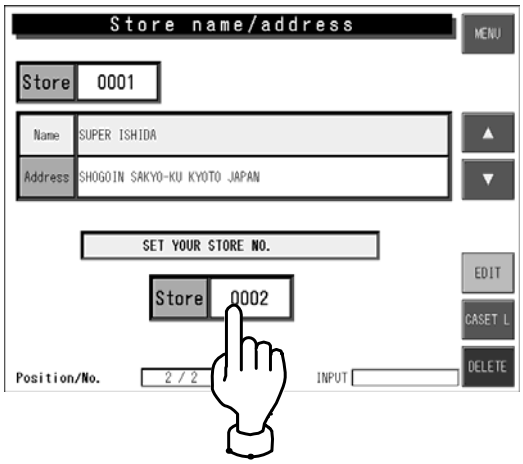
Example: Set the store number “2” of which data will be printed on labels.

1. **Press the [Store] field after entering your store number.**

2

Up to 4 digits can be entered.

Store data to be printed on labels is selected.



2. **Press the [MENU] button to finish the registration.**

Print Example:

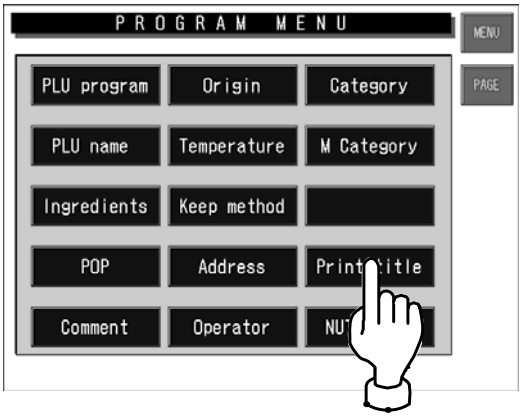
5.7 PRINT TITLE REGISTRATION

This section explains how to register the header and footer message to be printed on receipts.

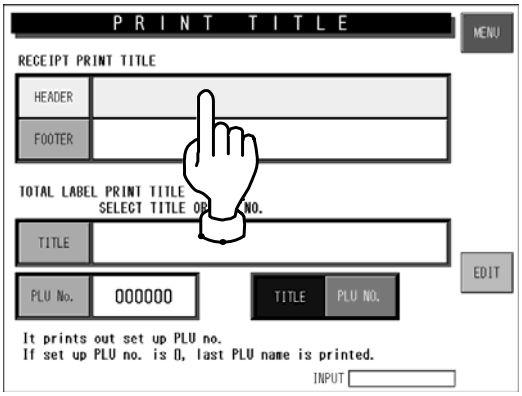
5.7.1 Print Title Registration

1. **Press the [PRINT TITLE] button on the Program Menu.**

The print title screen appears.

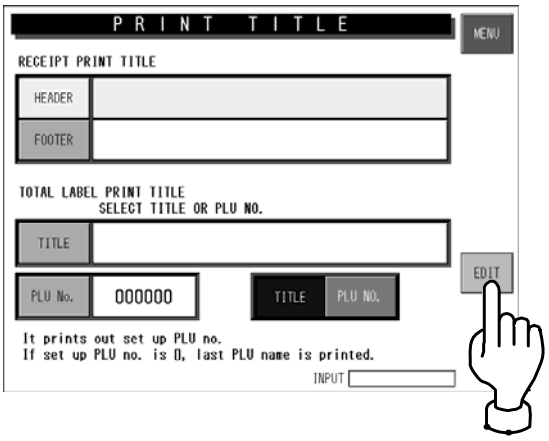


2. **Press to select the header field.**



3. **Press the [EDIT] button.**

The text edit screen appears.



REFER
Refer to Appendix “Text Editing” for more information.

4. **Enter the text.**

A ●●● Z

Up to 121 characters can be entered.

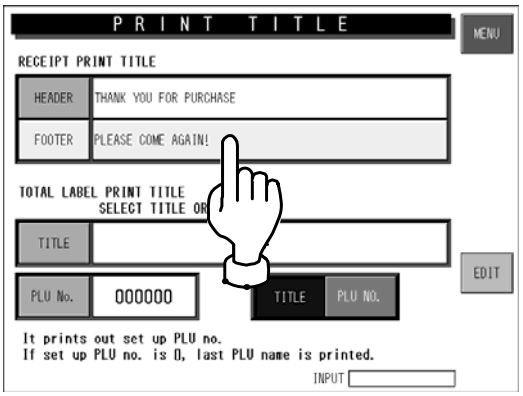
5. **Press the [RETURN] button to finish the registration.**

The save confirmation screen appears.

6. **Press the [EXECUTE] button to save the data.**

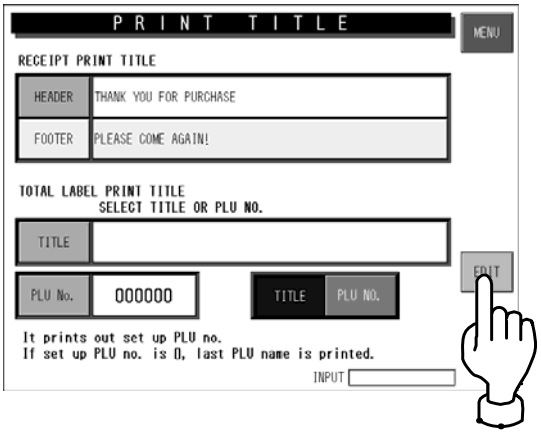
7. **Press to select the footer field.**

The save confirmation screen appears.

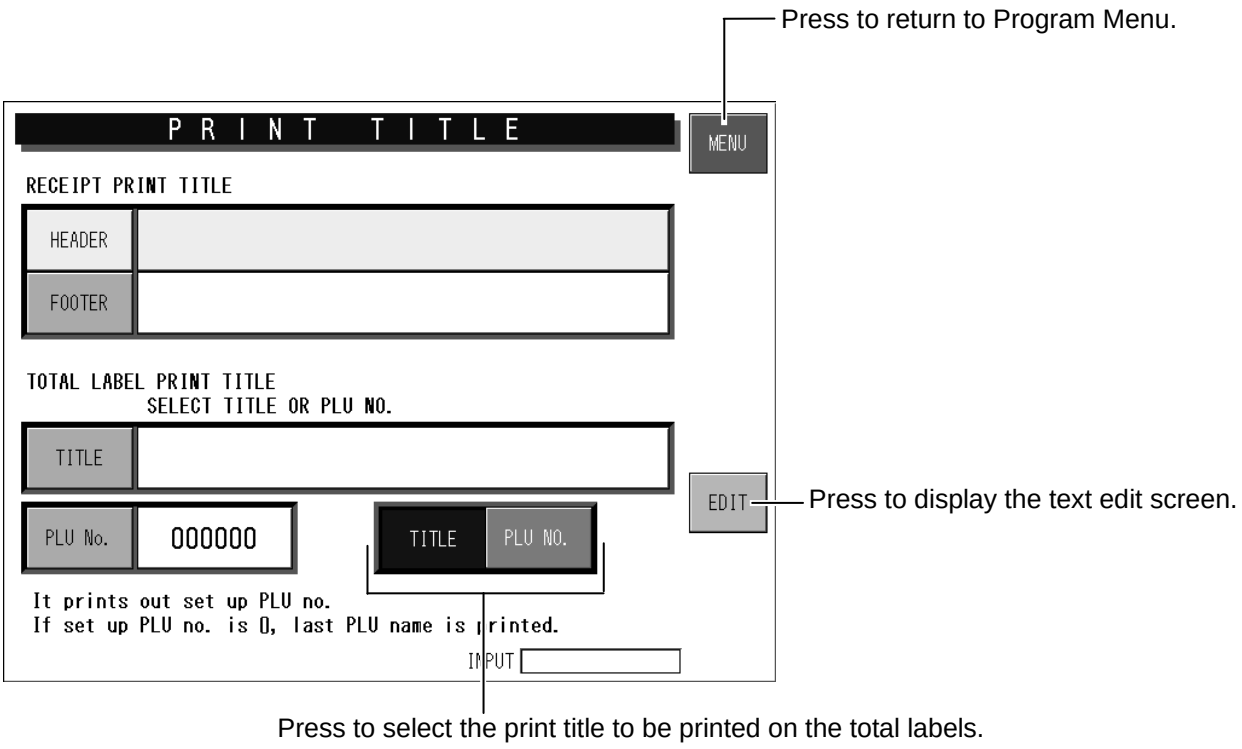


8. **Press the [EDIT] button.**

The text edit screen appears.



9. **Repeat steps 4 through 6.**

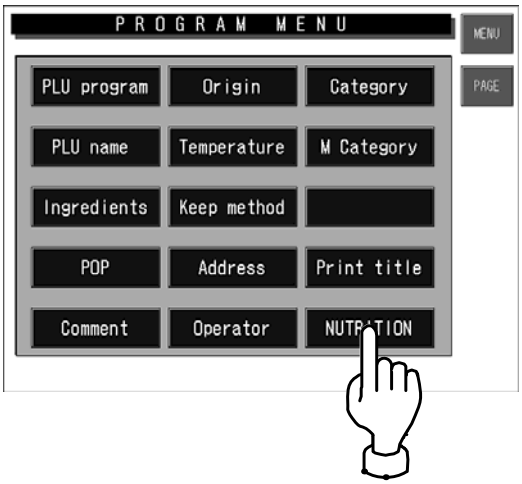


5.8 NUTRITION REGISTRATION

This section explains how to register the nutrition information to be printed on receipts.

1. **Press the [NUTRITION] button on Program Menu screen.**

The nutrition registration screen appears.

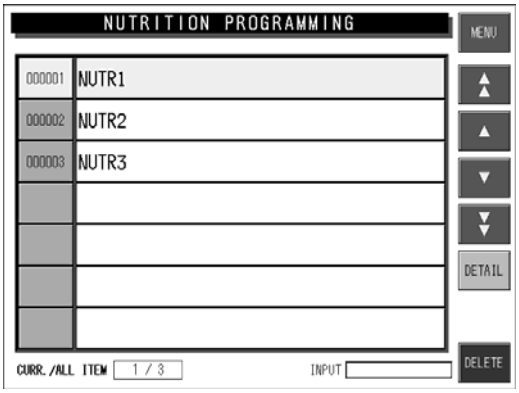


2. **Enter the nutrition number and press the [PLU] key.**

Example:
Nutrition number “1”

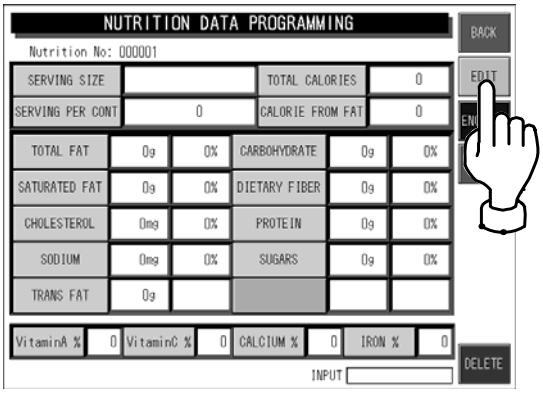
[1] [PLU]

The nutrition data registration screen appears.



3. **Press the [EDIT] button on the screen.**

The text edit screen appears.

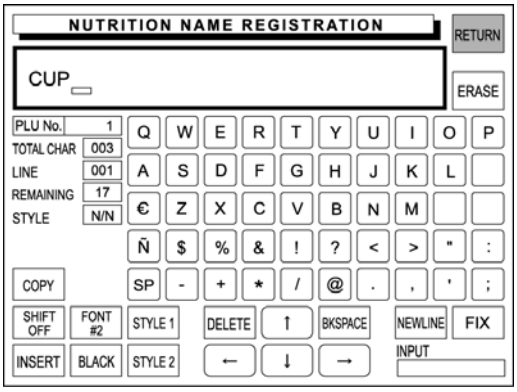


REFER
Refer to Appendix “Text Editing” for more information.

4. **Enter the text.**

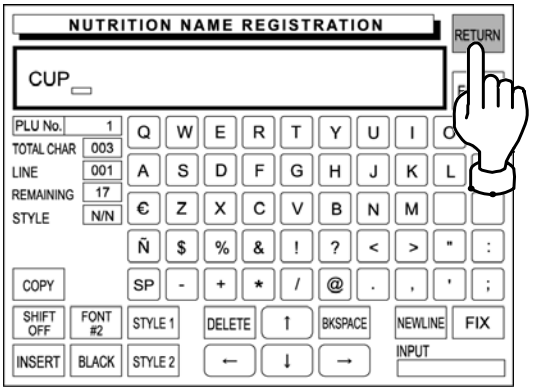
[A] ●●● [Z]

Up to 20 characters can be entered.



5. **Press the [RETURN] button to finish the registration.**

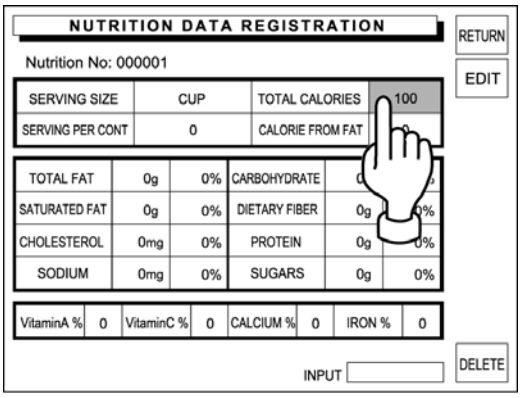
The nutrition data registration screen appears.



6. **Enter necessary numeric data and press the corresponding field.**

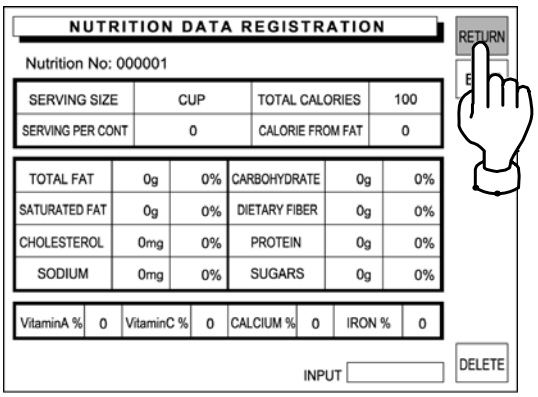
Example:
Total calories “100”

[1] [0] [0]

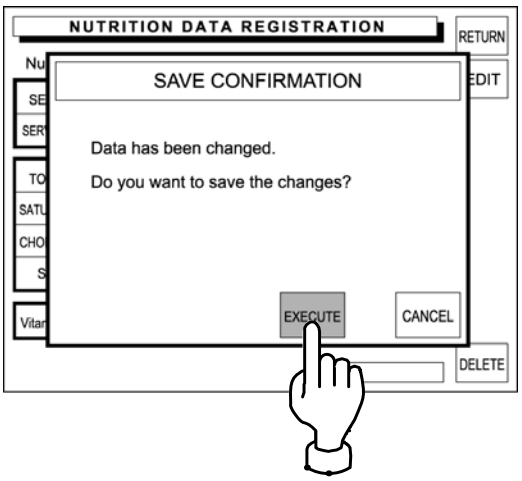


7. **Press the [RETURN] button to complete the registration.**

The save confirmation screen appears.



8. **Press the [EXECUTE] button to save the data.**

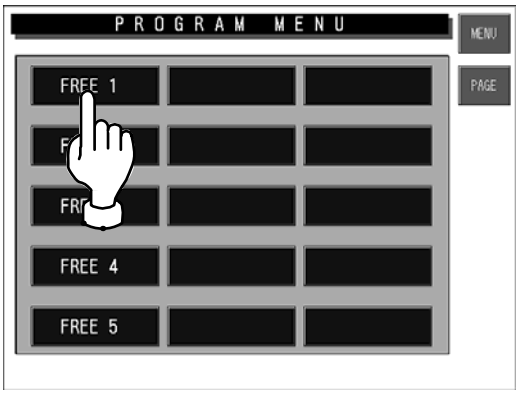


5.9 FREE MESSAGE 1 – 5 REGISTRATION

Any message such as cooking recipe, calorie, etc. can be freely registered.

1. **Press the [FREE] button on Program Menu screen.**

The free message registration screen appears.

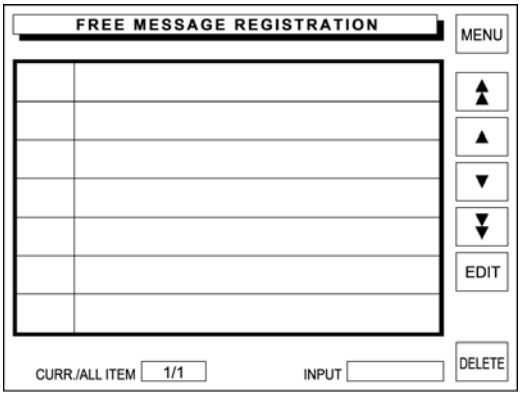


2. **Enter the message number and press the [PLU] key.**

Example:
Message No. “1”

[1] [PLU]

The free message registration screen appears.



REFER

Refer to Appendix “Text Editing” for more information.

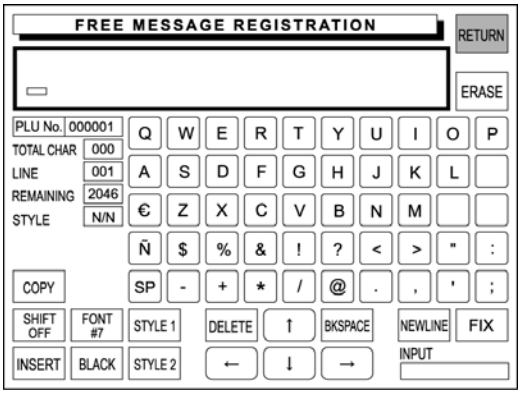
3. **Enter the text.**

[A] ●●● [Z]

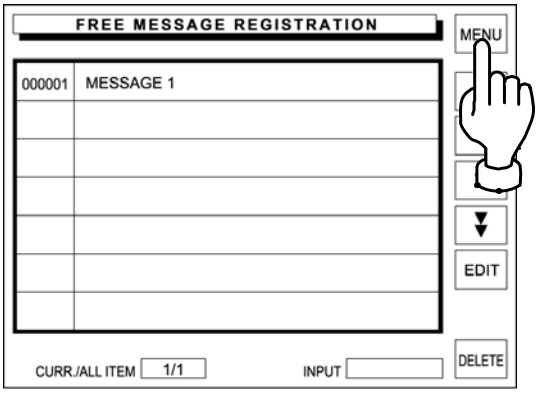
Up to 2046 characters can be entered.

When the text editing is complete, press the [RETURN] button.

RETURN



4. **Press the [MENU] button to complete all registrations.**



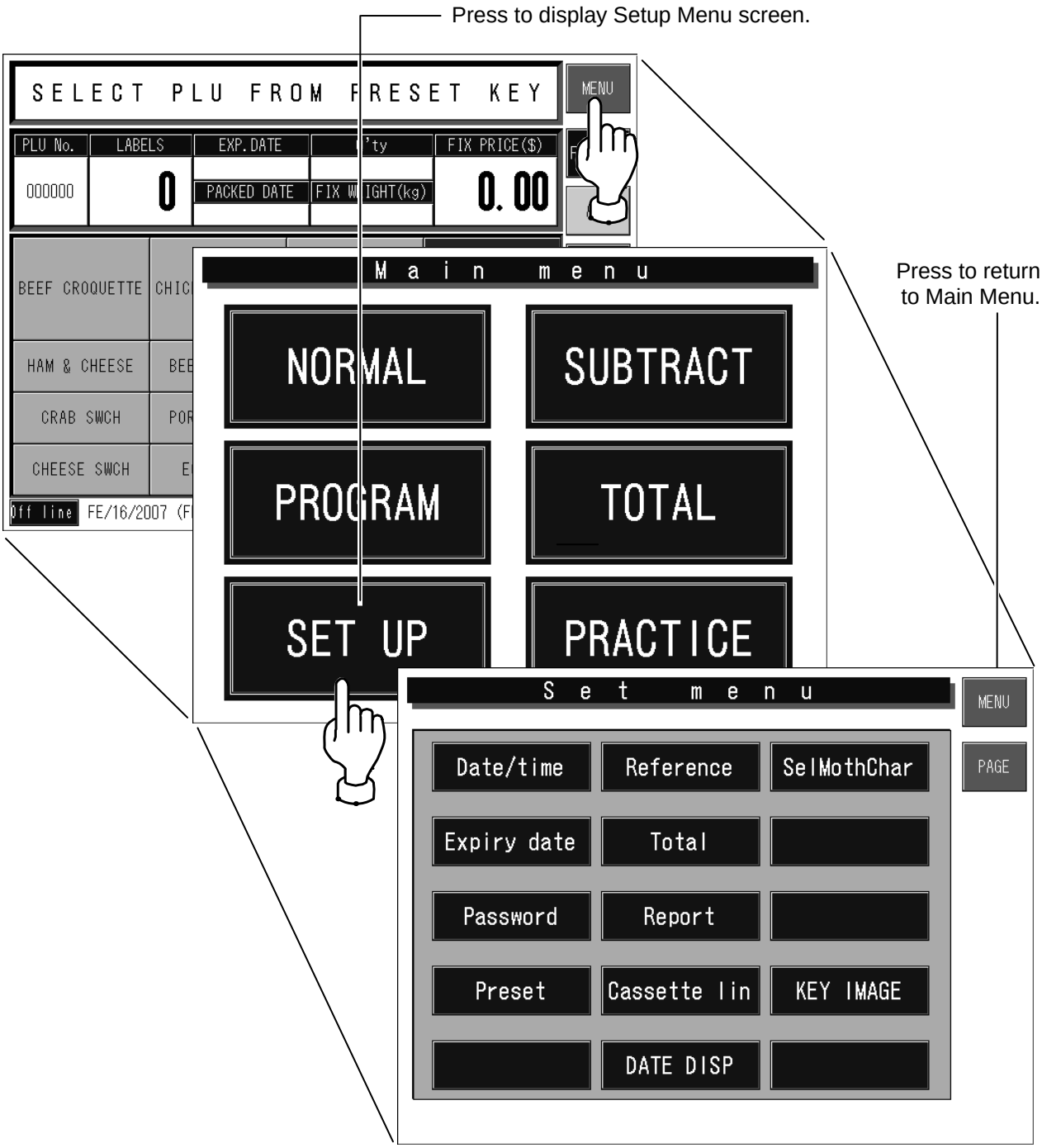
Chapter 6

SETUP MENU

6.1 SETUP MENU ENTRY

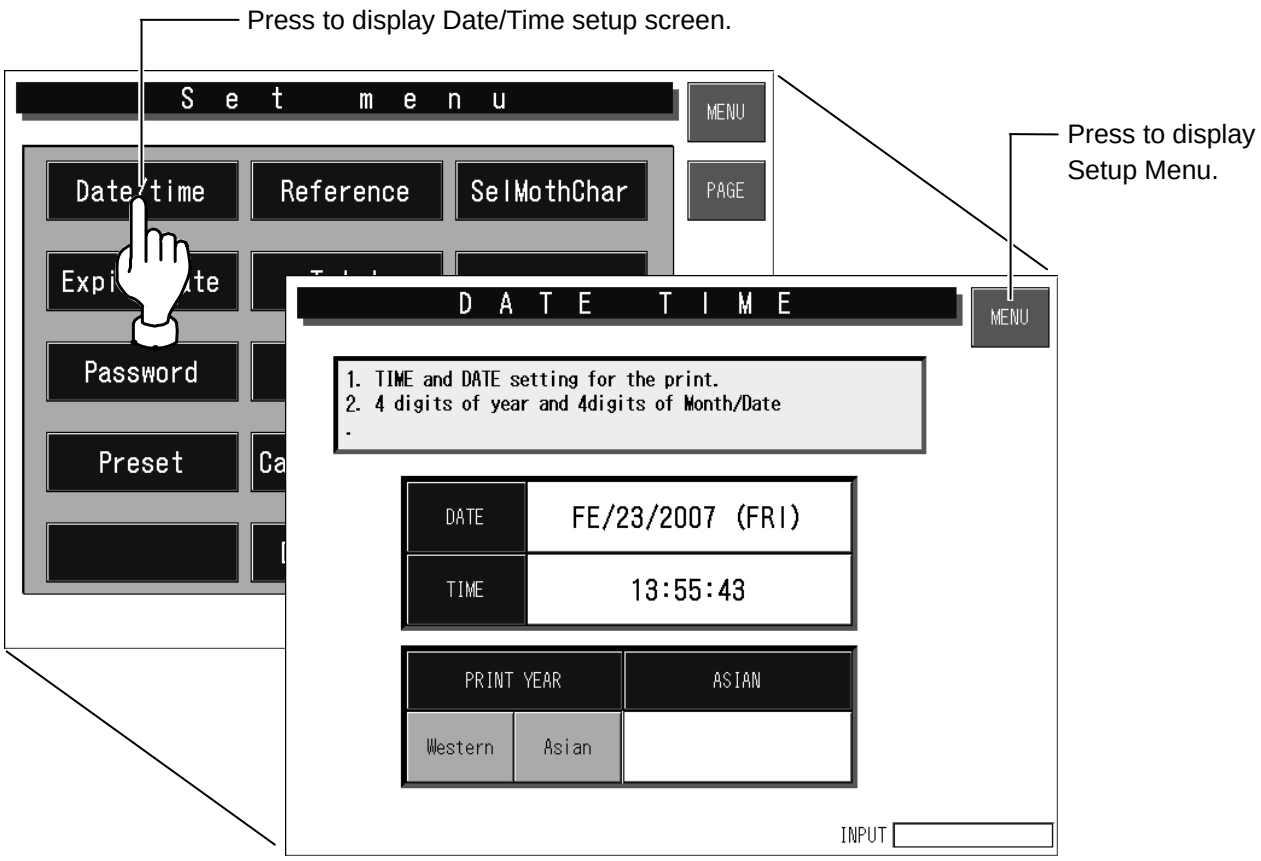
Setup Menu is used to register data required for setting up the machine.
Press the [MENU] button on the initial screen and press the [SET UP] button on the Main Menu to enter Setup Menu screen.

Note: When a password is programmed for accessing Setup Menu, enter the 6-digit password number using the keypad before pressing the [SET UP] button.
See section 6-4 "Password Setting".



6.2 DATE / TIME SETTING

When setting the date and time, press the [DATE/TIME] button on the Setup Menu to display Date/Time setup screen.

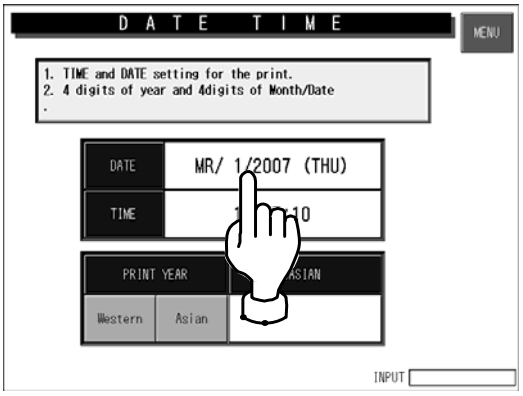


1. **Enter the date in MMDDYYYY order and press the [DATE] field.**

Example: March 1. 2007

0 **3** **0** **1**

2 **0** **0** **7**

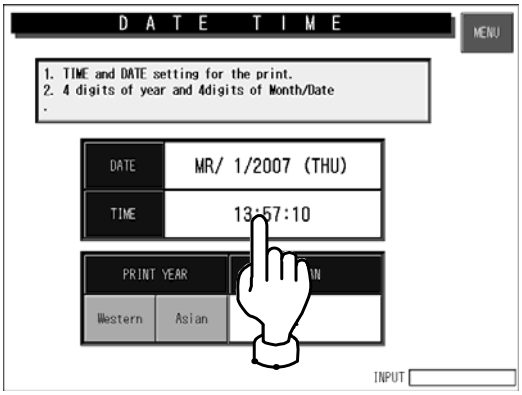


2. **Enter the time in HHMMSS order and press the [TIME] field on the screen.**

Example: 13:57:10

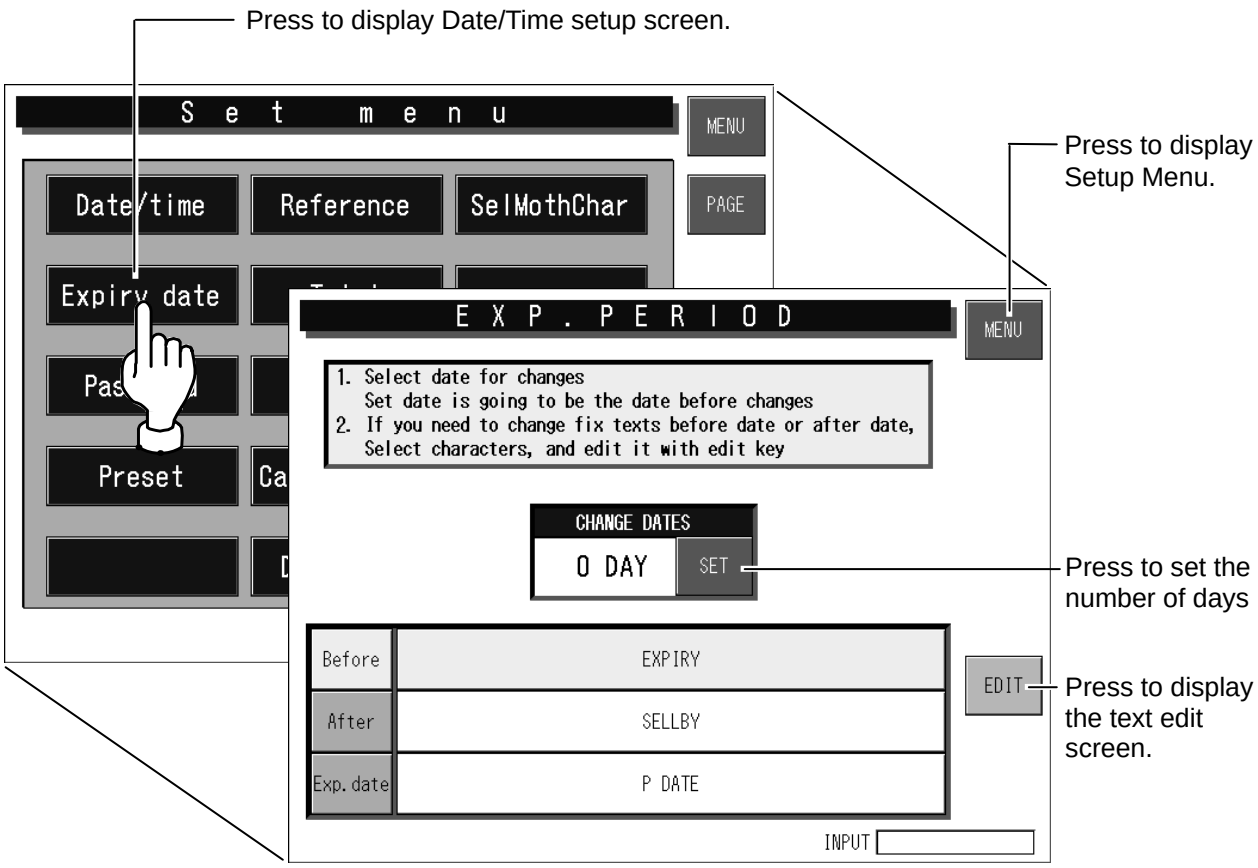
1 3 5 7

1 0



6.3 EXPIRY DATE SETTING

When setting the expiry date, press the [EXPIRY DATE] button on the Setup Menu to display Expiry Period setup screen.

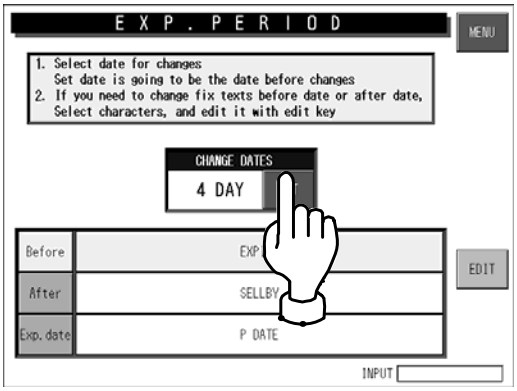


1. **Enter the number of days to change the period text.**

Example:
4 days to change the text.

4

3 days after the pack date will become the best-before date, and 4 days after the pack date will become the use-by date.



2. **Check the character lines of “Before change”, “After change” and “Pack date”.**

When editing the text, press the [EDIT] button after pressing either “Before change”, “After change” or “Pack date” button.

BEFORE AFTER PACK DATE ➡ EDIT

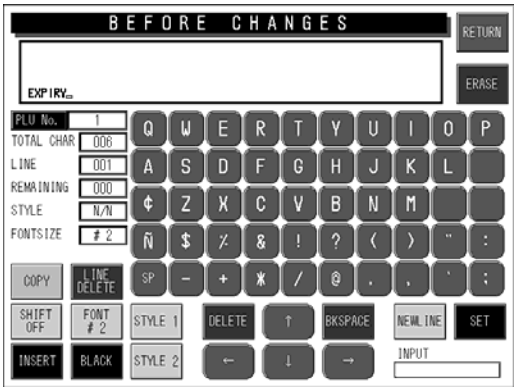
The text edit screen appears.

REFER

Refer to Appendix “Text Editing” for more information.

3. **Edit the text.**

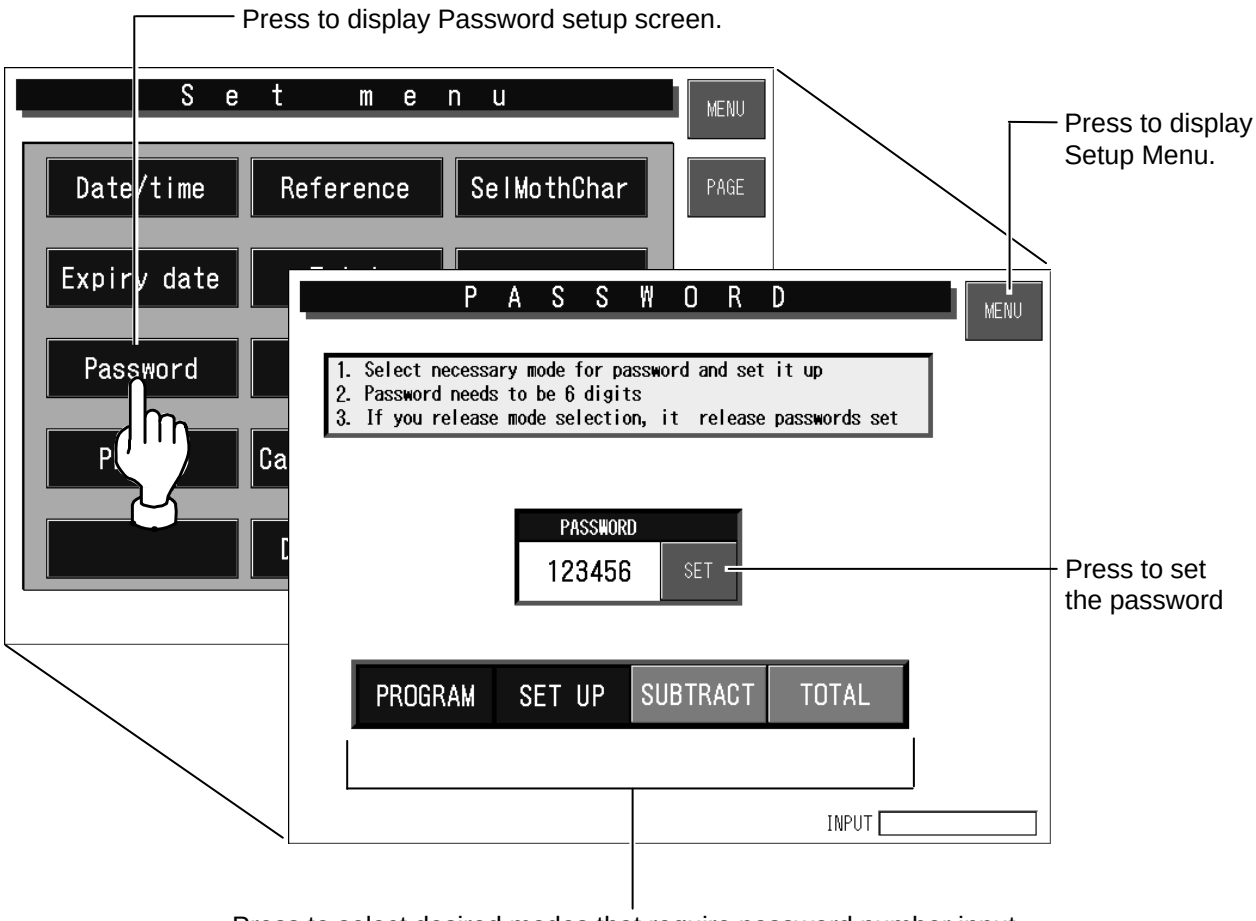
The save confirmation screen appears.



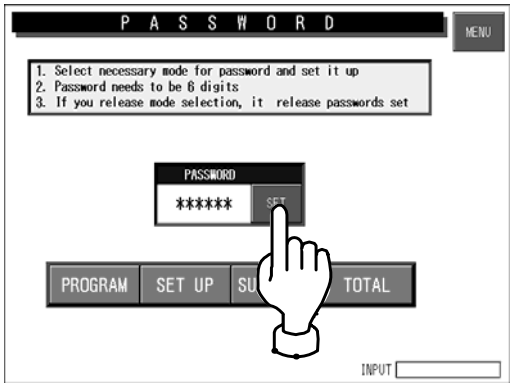
4. **Press the [EXECUTE] button to save the registration.**

6.4 PASSWORD SETTING

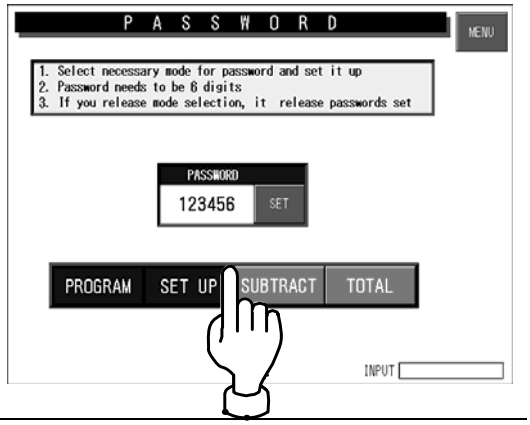
When setting a password number for the selected modes, press the [PASSWORD] button on the Setup Menu to display Password Number setup screen.



1. **Enter the password number (6 digits) and press the [SET] button.**

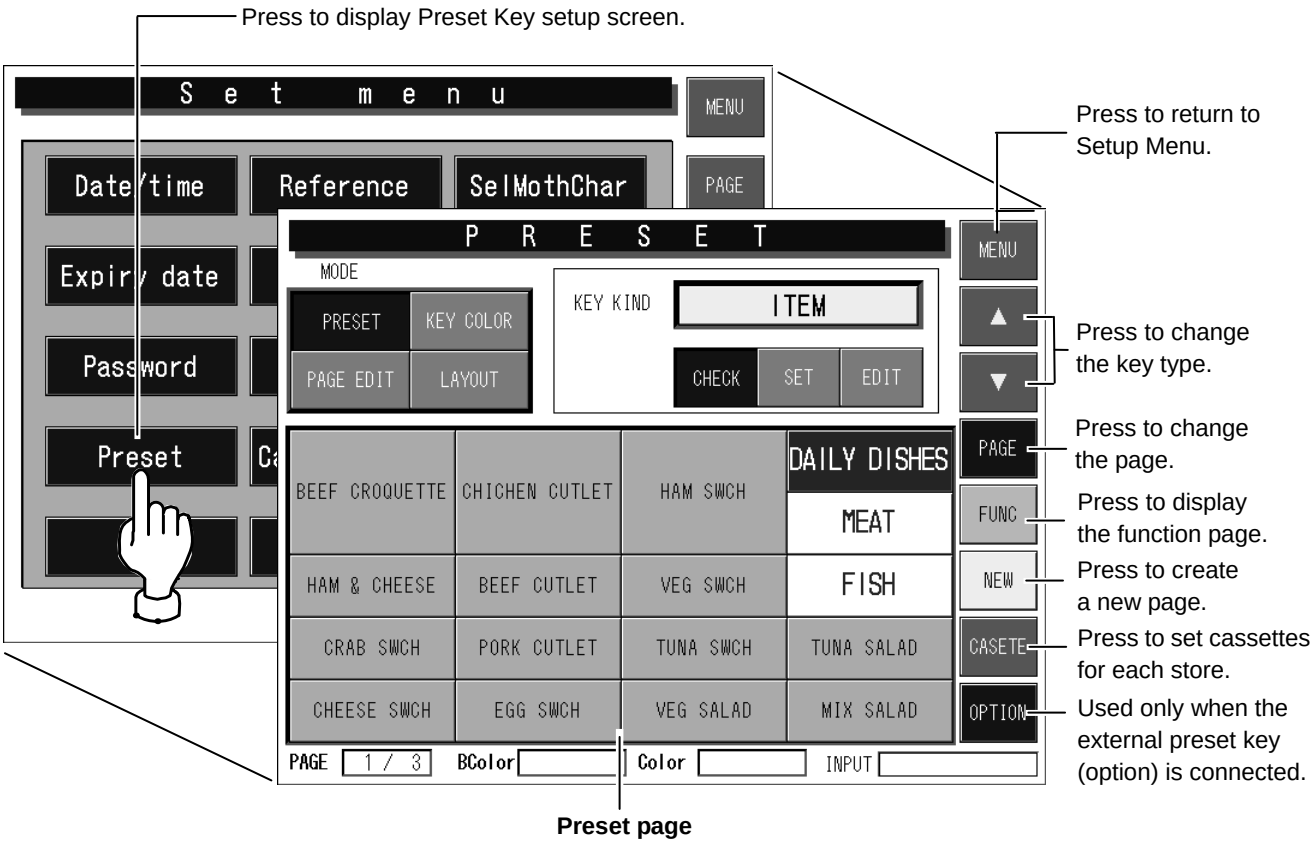


2. **Press to select desired modes that will require password entry when accessing the selected mode.**



6.5 PRESET KEY SETTING

When setting preset keys, press the [PRESET] button on the Setup Menu to display the first Preset Key setup screen.



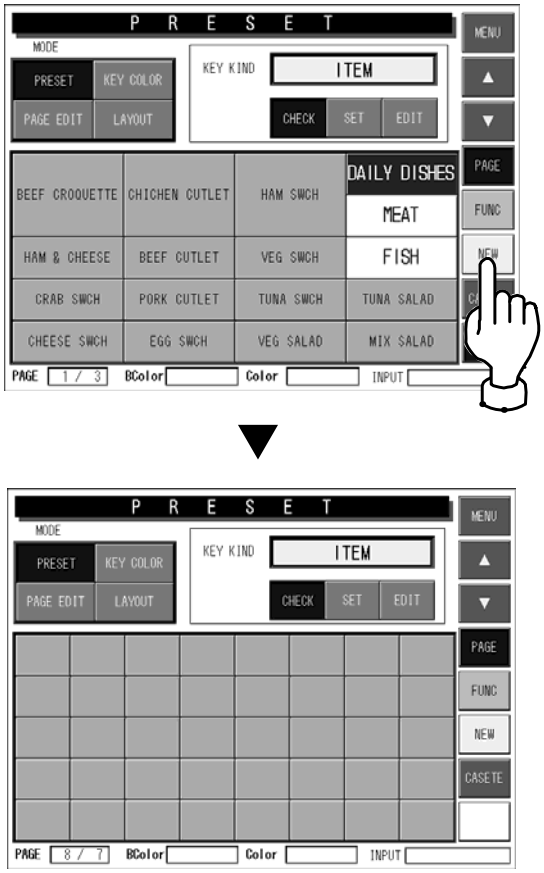
Preset page

Press to allocate preset keys, or change the key color and size.

6.5.1 CREATING NEW PRESET PAGE

1. **Press the [NEW] button to create a new page.**

The new page appears.



2. **Allocate preset keys on the new page.**

- To register preset keys, refer to 6.5.4 “Setting Preset Keys”.
- To color preset keys, refer to 6.5.5 “Coloring Preset Keys”.
- To copy a preset page, refer to 6.5.6 “Copying Preset Key Page”.
- To delete a preset page, refer to 6.5.7 “Deleting Preset Keys”.
- To change the size of preset keys, refer to 6.5.8 “Changing Preset Key Size”.

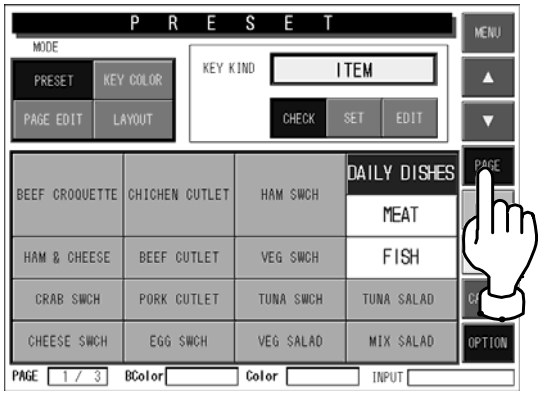
6.5.2 CHANGING PRESET PAGE

1. **Select the page you want to change.**

Example: Change page 3.

3 PAGE

Page 3 screen appears.



2. **Change the preset page.**

■To register preset keys, refer to 6.5.4 “Setting Preset Keys”.

■To color preset keys, refer to 6.5.5 “Coloring Preset Keys”.

■To copy a preset page, refer to 6.5.6 “Copying Preset Key Page”.

■To delete a preset page, refer to 6.5.7 “Deleting Preset Keys”.

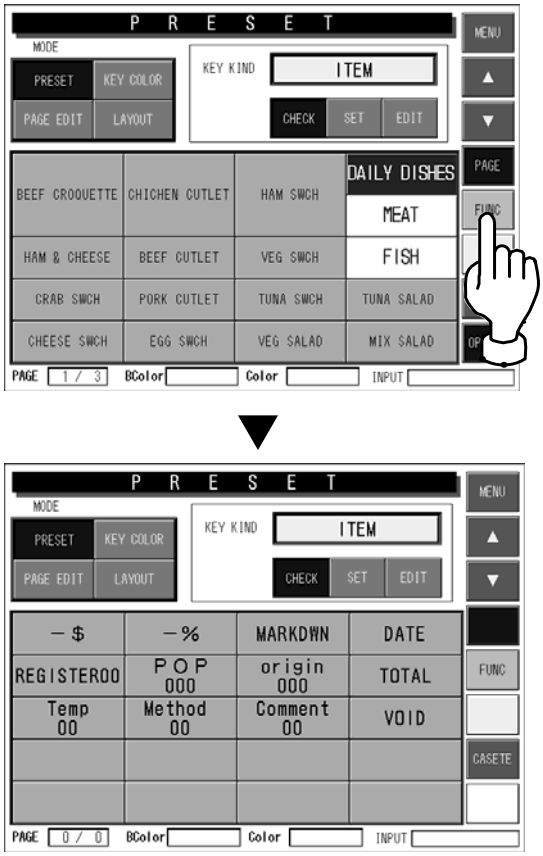
■To change the size of preset keys, refer to 6.5.8 “Changing Preset Key Size”.

6.5.3 SETTING FUNCTION PAGE

It is convenient to register functions used in usual operations on the function page.

1. **Press the [FUNC] button.**

The function page appears.



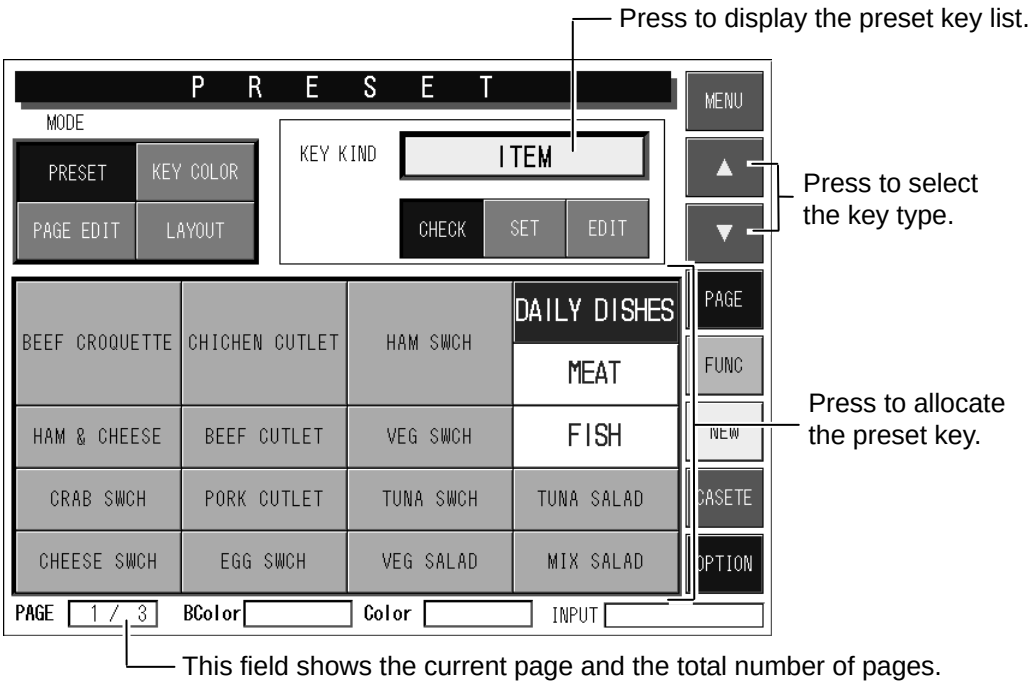
2. **Allocate preset keys on the page.**

- To register preset keys, refer to 6.5.4 “Setting Preset Keys”.
- To color preset keys, refer to 6.5.5 “Coloring Preset Keys”.
- To change the size of preset keys, refer to 6.5.8 “Changing Preset Key Size”.

6.5.4 SETTING PRESET KEYS

This section explains how to allocate preset keys, edit the display names, and confirm the key types.

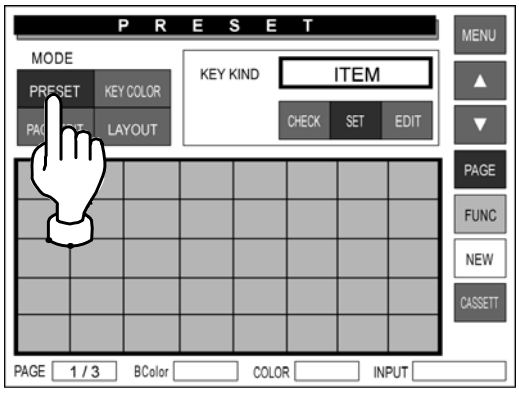
■ Allocating Preset Keys



---

1. **Confirm that the preset mode is selected.**
If not selected, press to select the [PRESET] button.

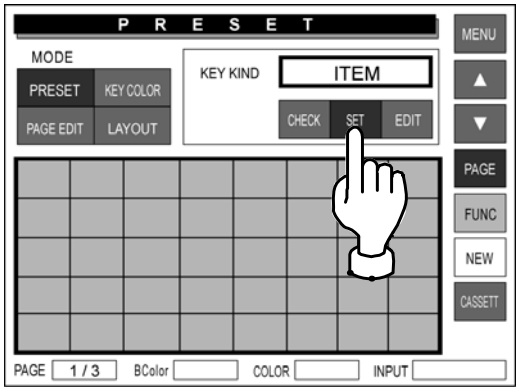
The preset mode is selected.



---

2. **Press to select the [SET] button.**

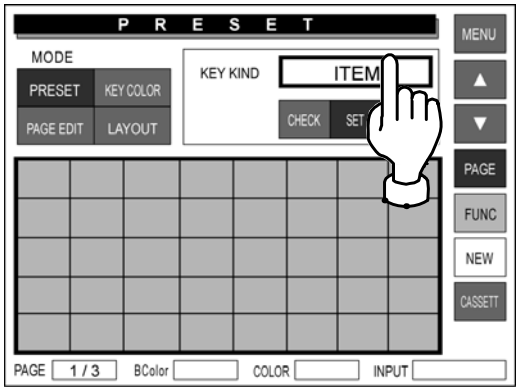
Now, you can register preset keys.



---

3. **Press the key kind data field to display preset key lists.**

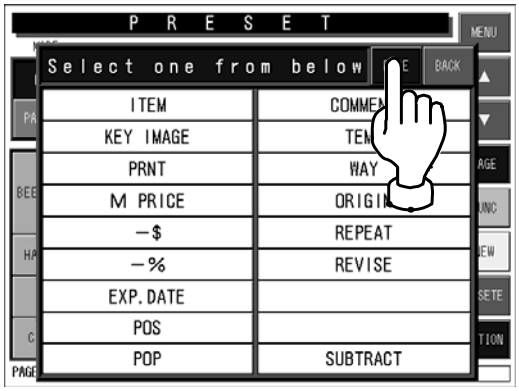
The first page of preset key list appears.



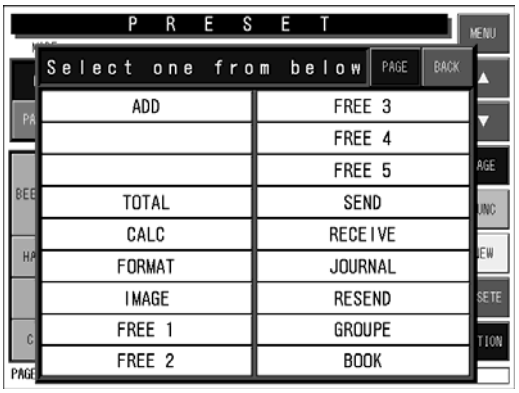
MEMO

Press the [PAGE] button repeatedly to change pages until the desired preset key type is found on the list.

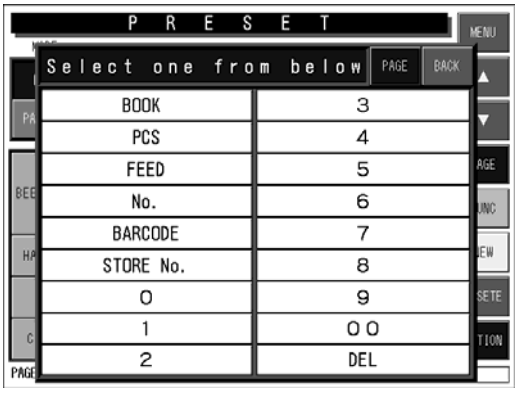
4. **Press the [PAGE] button to change the list when necessary.**



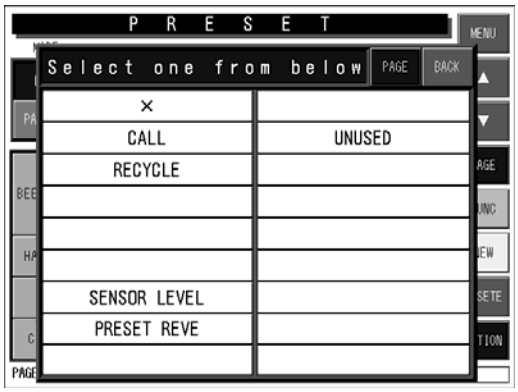
▼



▼

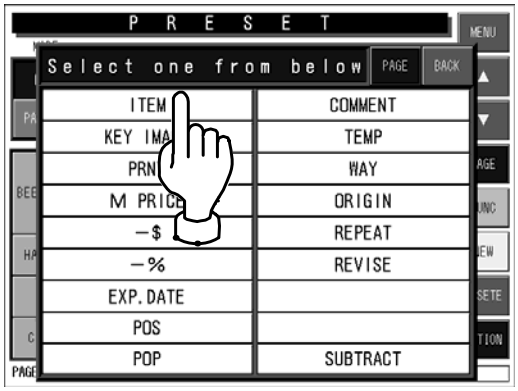


▼



5. **Press to select the desired key type.**

Example: Item



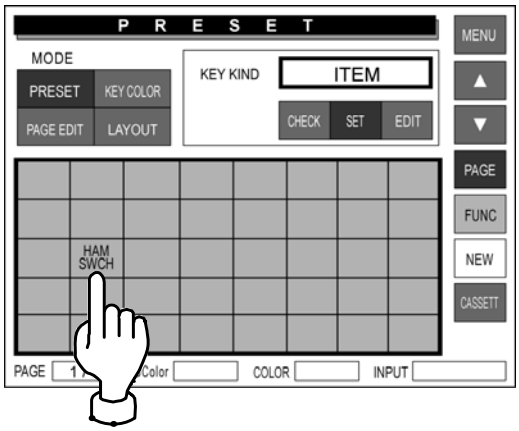
MEMO
Overwriting a data to an existing preset key is not possible.
In this case, delete the preset key first. Then, register a new preset key.

6. **Enter the desired PLU number and press one of the preset keys to allocate the PLU.**

Example:
Allocate PLU No.10 “Ham & Cheese”

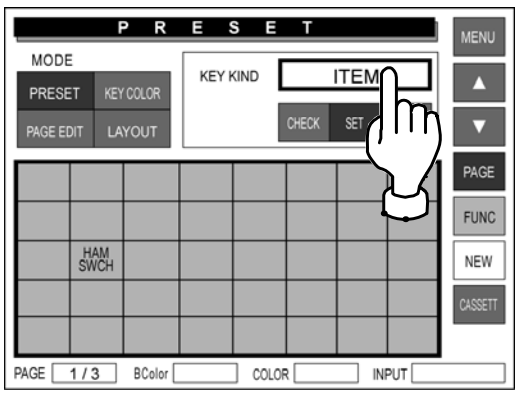
1 0

The selected item name is displayed on the preset button.

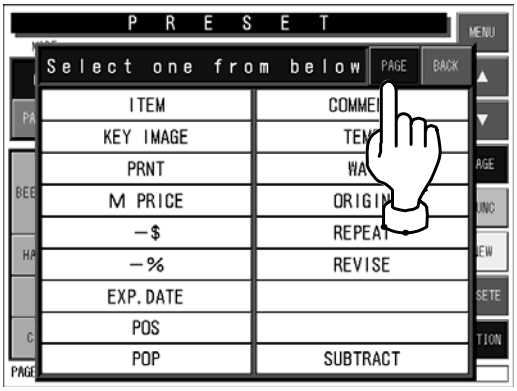


7. **Repeat step 6 above for more product allocations.**

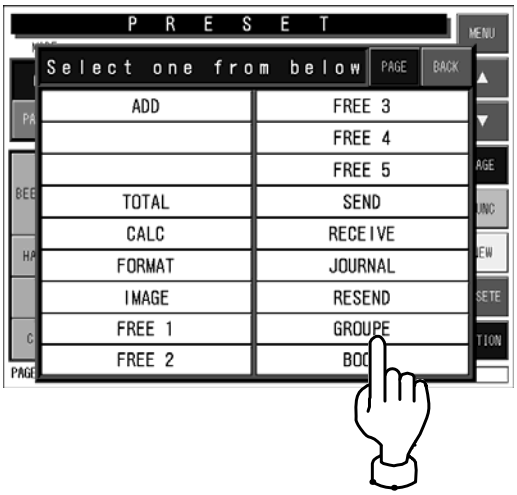
8. **To assign the desired group to a preset key, press the key kind data field to display preset key lists.**



9. **Press the [PAGE] button to change the list until you find the [GROUP] button on the list.**



Press to select the [GROUP] button.

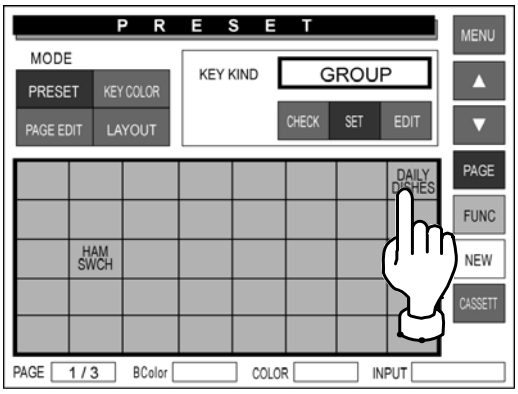


10. **Enter the desired group number and press one of the preset keys to allocate the group.**

Example:
Allocate Group No.4 “Daily Dishes”

4

The selected group name is displayed on the preset button.

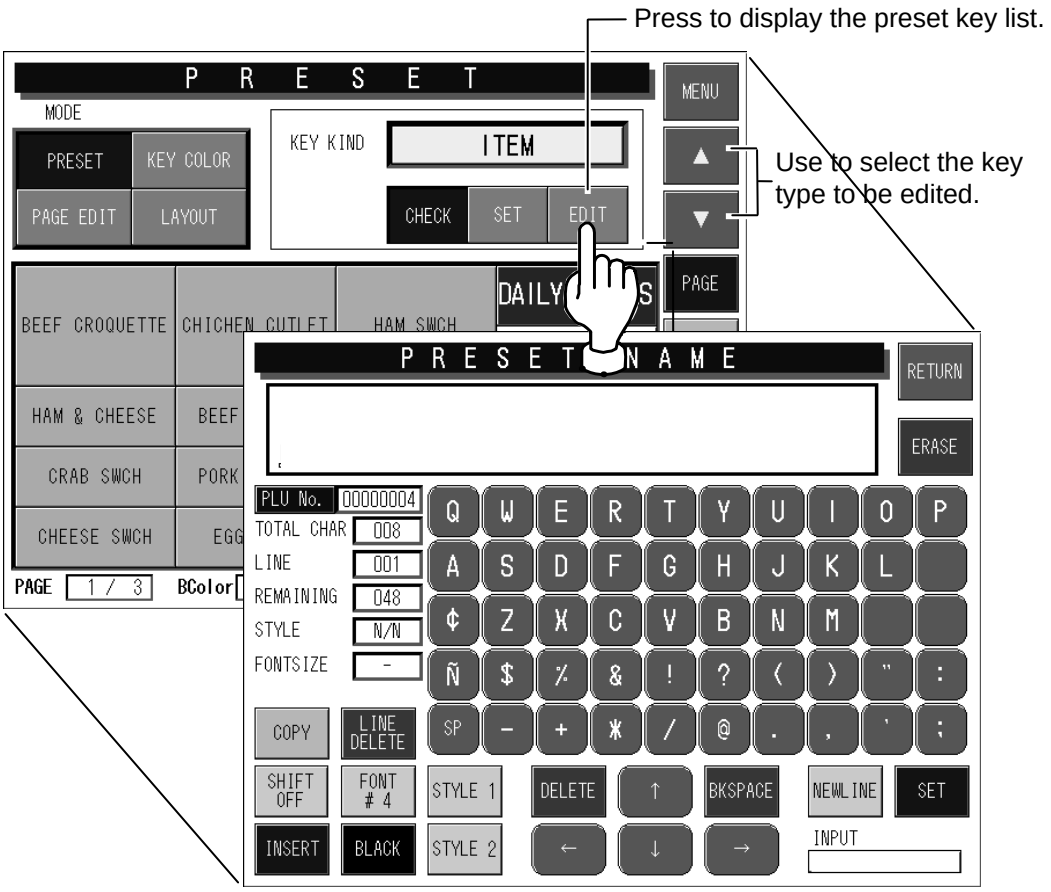


11. **Repeat step 10 above for more group allocations.**

6.5.5 SETTING PRESET KEYS

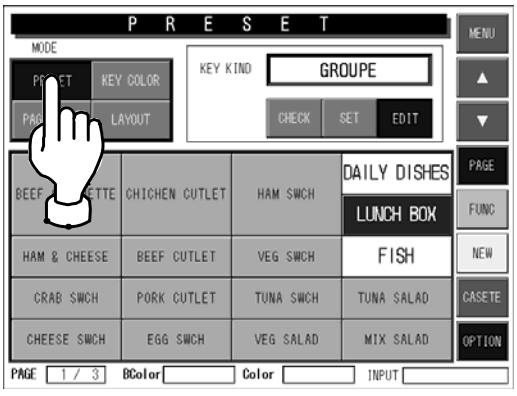
■ Editing Preset Key Names

You can change preset key names such as product names and group names.
The registered name data will not be changed by this procedure.

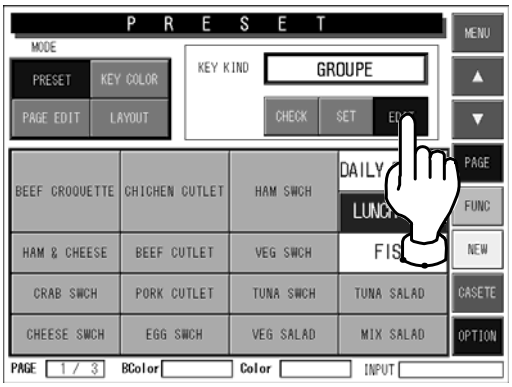


1. **Confirm that the preset mode is selected.**
If not selected, press to select the [PRESET] button.

The preset mode is selected.

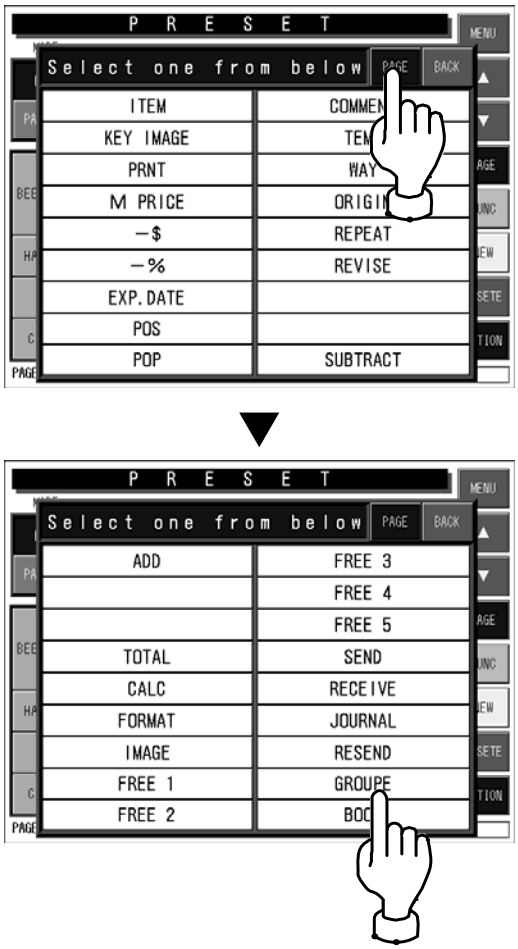


2. **Press to select the [EDIT] button.**



3. **Confirm that the [GROUP] is selected in the key kind data field.**

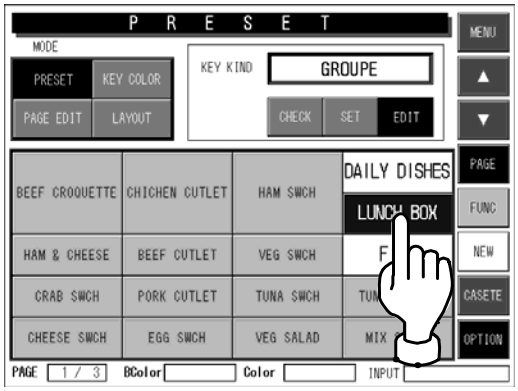
If not selected, press the key kind data field to display the preset key list and press to select the [GROUP] button.



4. **Press to select the group button of which name is to be changed.**

Example: Lunch Box

The text edit screen appears.



REFER

Refer to Appendix “Text Editing” for more information.

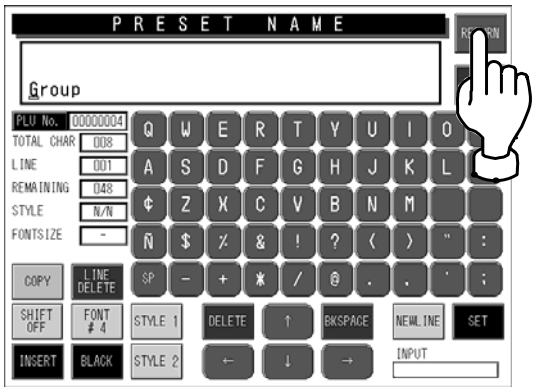
5. **Enter the text.**

A ●●● Z

Up to 48 characters can be entered.

6. **Press the [RETURN] button to finish the registration.**

The save confirmation screen appears.

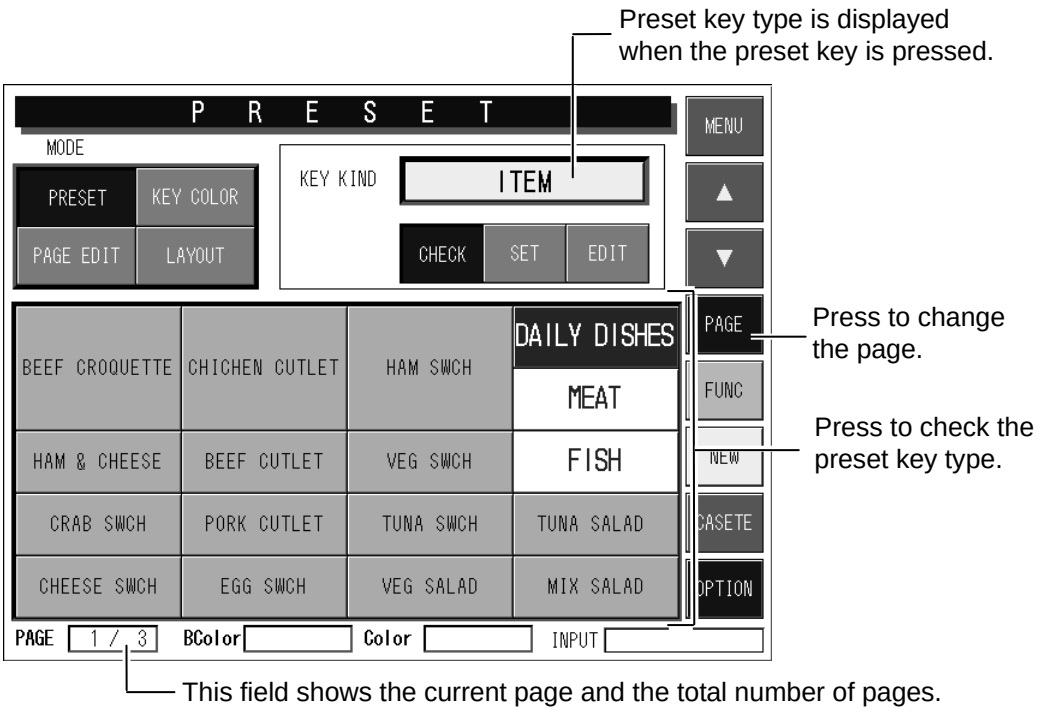


7. **Press the [EXECUTE] button to save the data.**

The edited text appears on the selected preset key.

■ Checking Preset Key Type

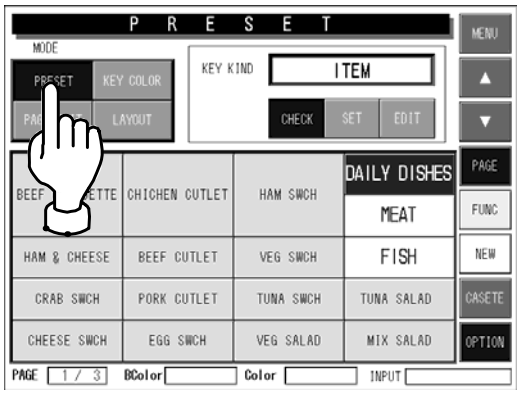
You can check the type of preset key that is displayed.



---

1. **Check that the preset mode is selected.**
If not selected, press to select the [PRESET] button.

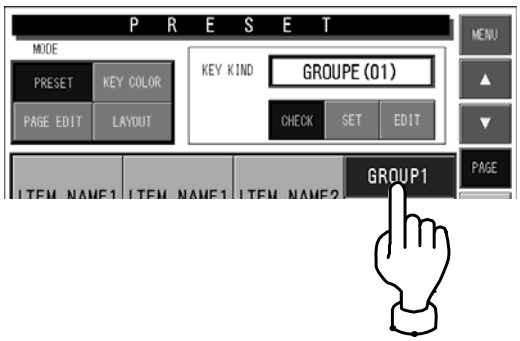
The preset mode is selected. When the preset mode is selected, the [CHECK] button is also selected.



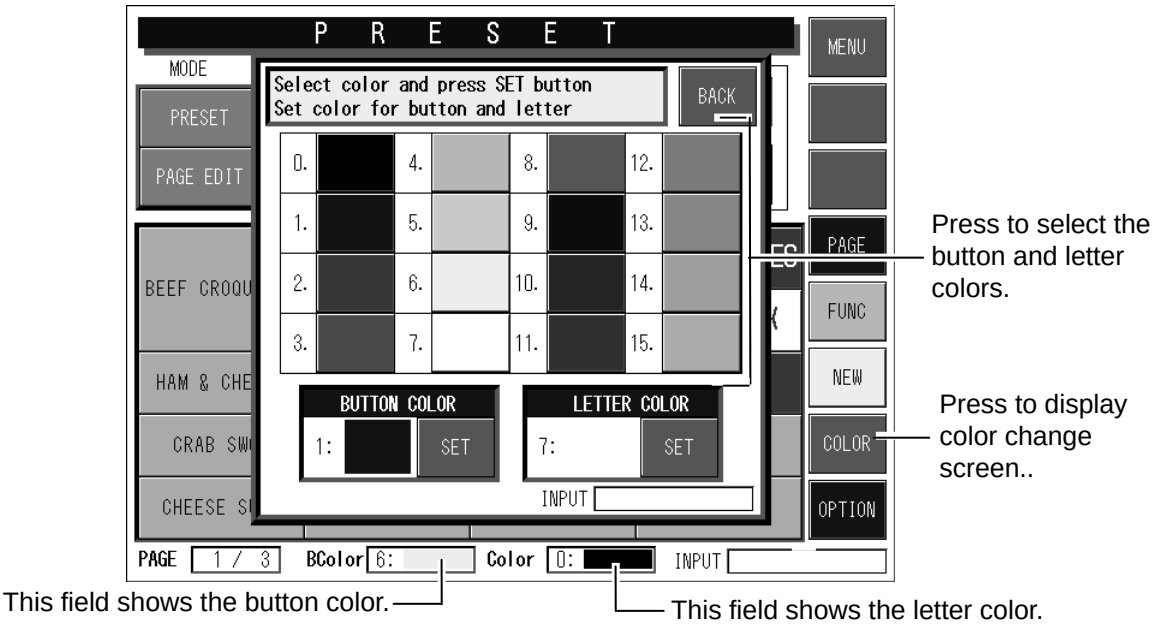
---

2. **Press the desired preset key to check its key type.**

"GROUP (01)" appears in the key kind data field.

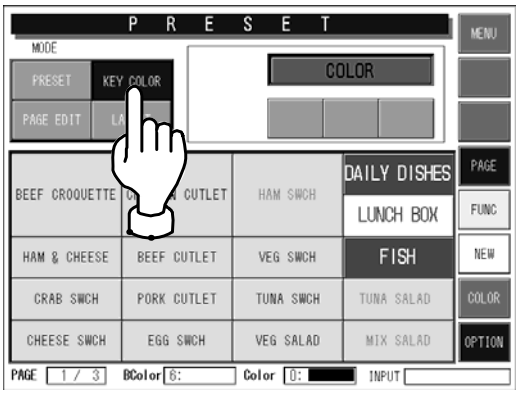


6.5.5 COLORING PRESET KEYS



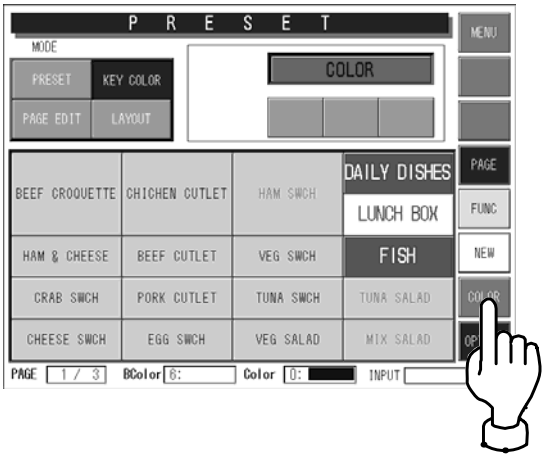
1. **Press the [KEY COLOR] button to select the color change mode.**

The message "COLOR" appears in the key kind display field.



2. **Press the [COLOR] button.**

The color list appears.



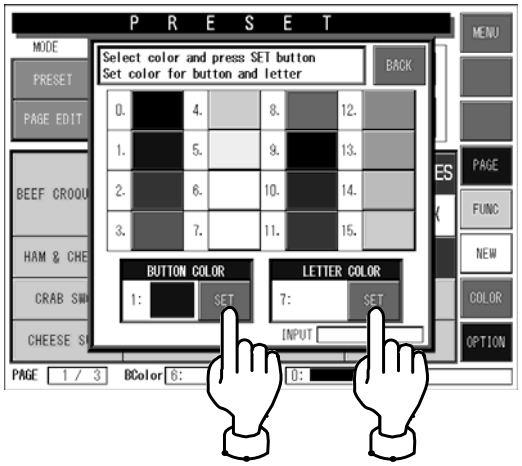
3. **Set the button and letter colors.**

Example: Blue button

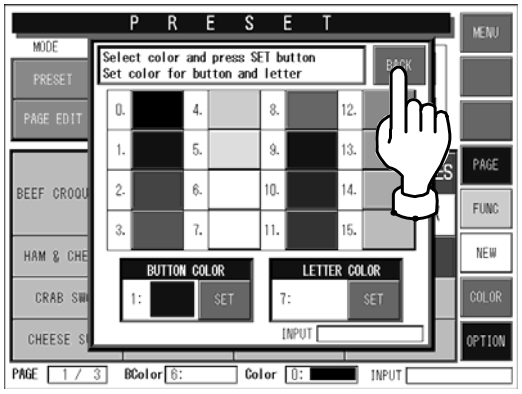
1 SET

White letters

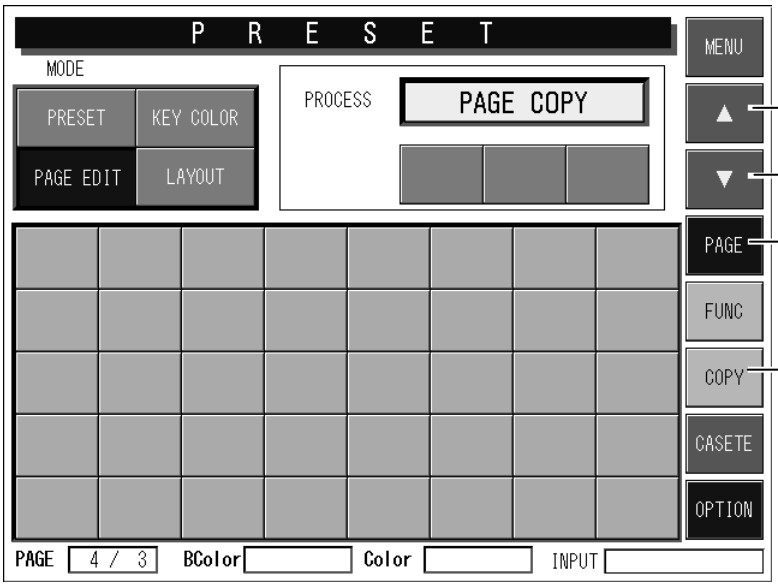
7 SET



4. **Press the [BACK] button to finish the registration.**

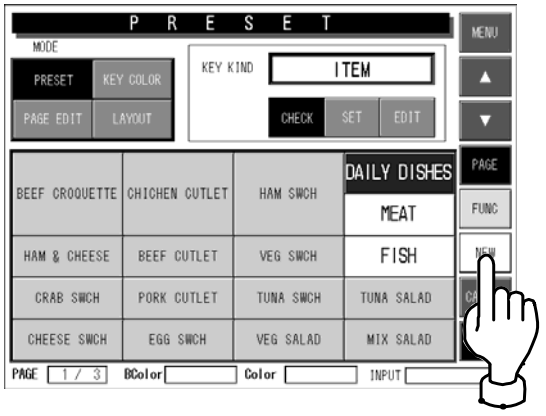


6.5.6 COPYING PRESET KEY PAGE



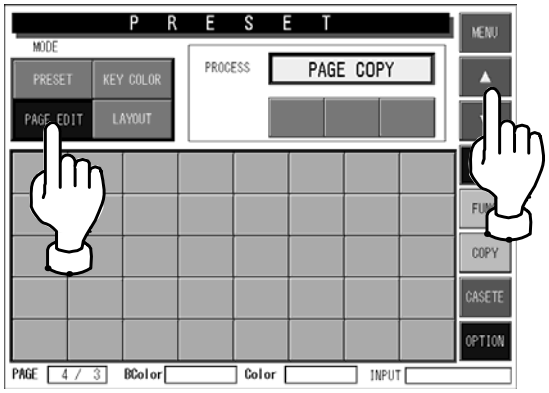
1. **Check that the preset mode is selected and press the [NEW] button.**

A new page is created on the screen.



2. **Press the [PAGE EDIT] button to select the page edit mode.**

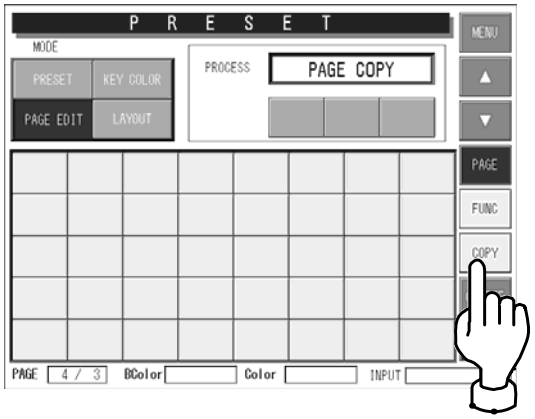
3. **Select the message “PAGE COPY” in the process field by using the [▲] and [▼] buttons.**



4. **Enter the source page number and press the [COPY] button.**

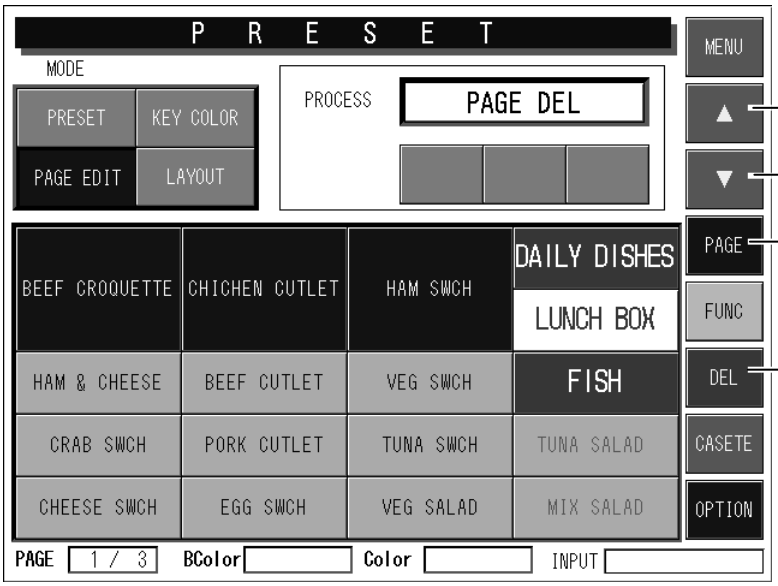
0 ●●● 9

The copy confirmation screen appears.

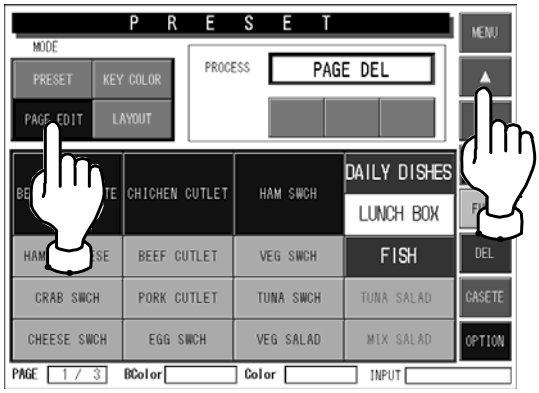


5. **Press the [EXECUTE] button to save the data.**

6.5.7 DELETING PRESET PAGE

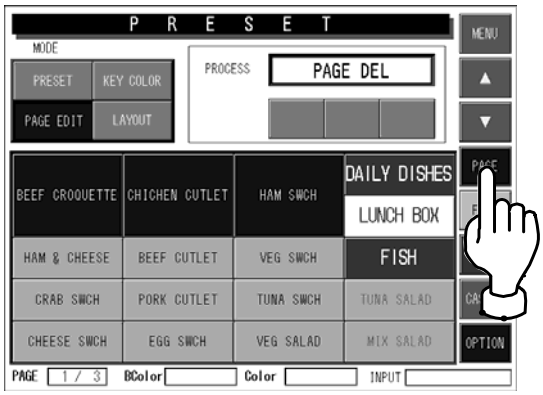


1. **Press the [PAGE EDIT] button to select the page edit mode.**



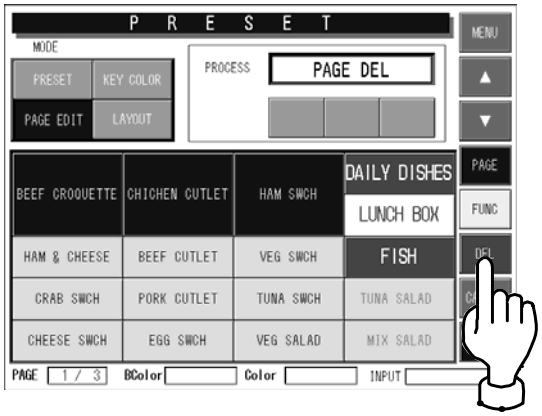
2. **Select the message “PAGE DEL” in the process field by using the [▲] and [▼] buttons.**

3. **Select the desired page you want to delete by using the [PAGE] buttons.**



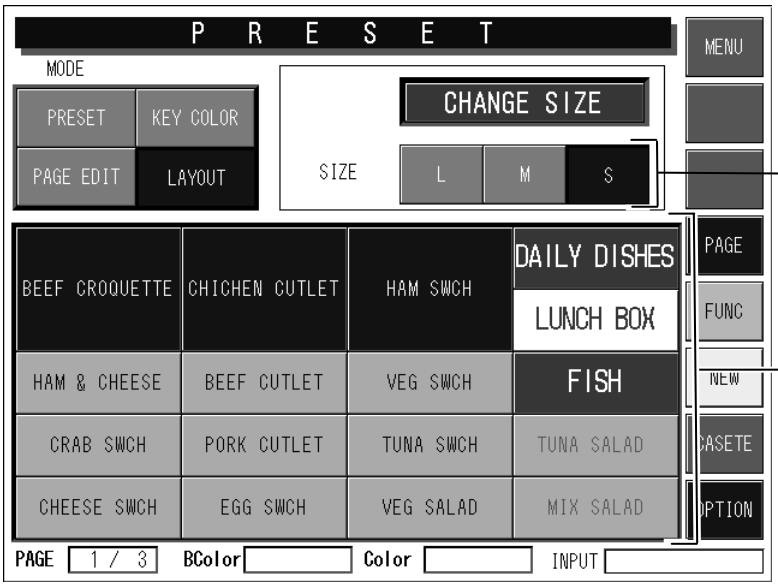
4. **Press the [DEL] button to delete the selected page.**

The delete confirmation screen appears.



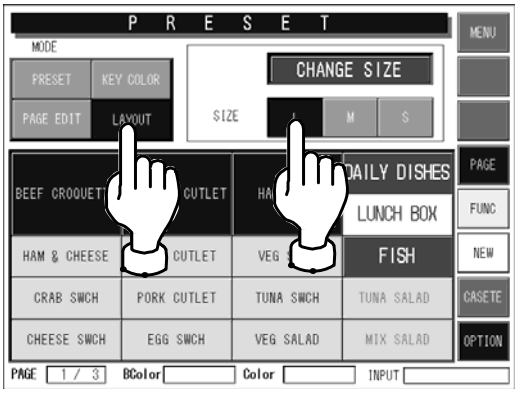
5. **Press the [EXECUTE] button to save the data.**

6.5.8 CHANGING PRESET KEY SIZE

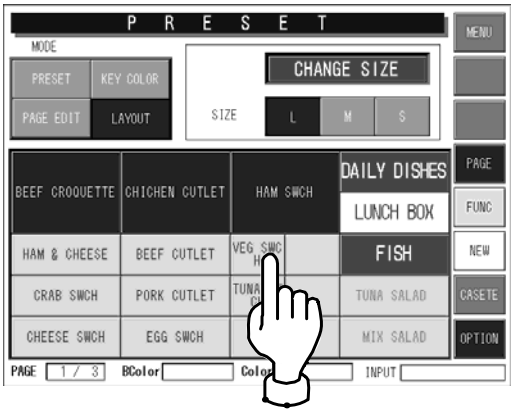


1. **Press the [LAYOUT] button to select the layout mode and press to select the desired key size.**

The message “CHANGE SIZE” appears in the process field.



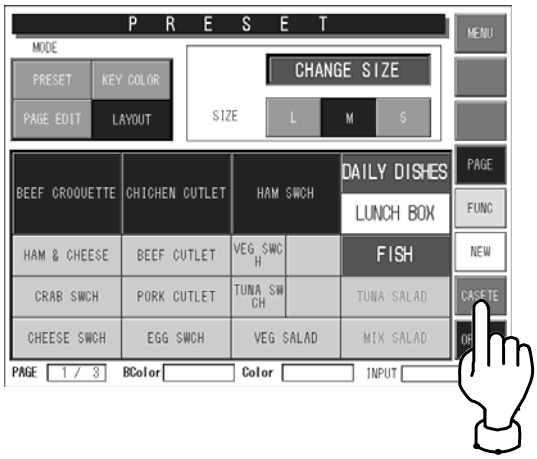
2. **Press the desired preset key to change the size.**



6.5.9 LINKING PRESET PAGE WITH CASSETTE

1. **Press the [CASSETTE] button.**

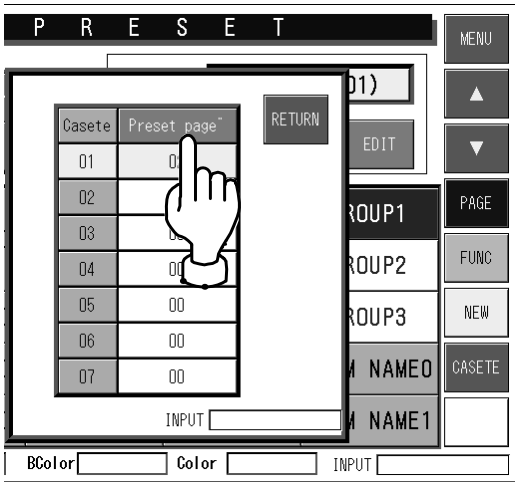
The cassette link preset setup screen appears.



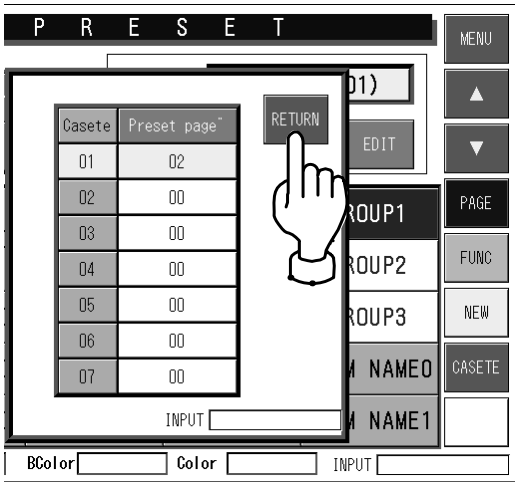
2. **Enter the desired preset page number and press the cassette number field on the screen.**

Example:
Set the second preset page to link with the cassette number “0 1 ”.

2

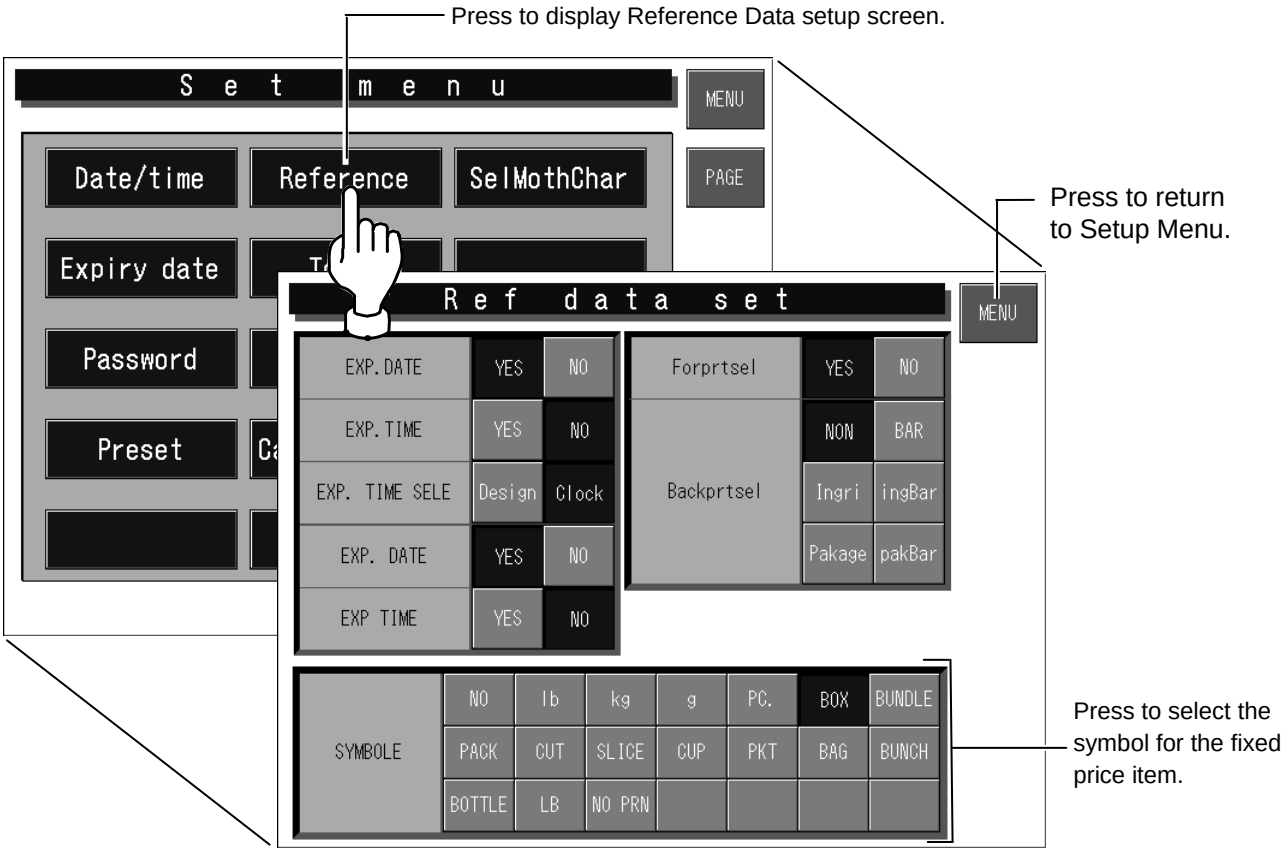


3. **Press the [RETURN] button to save the data.**



6.6 REFERENCE DATA SETTING

When setting various reference data, press the [REFERENCE] button on the Setup Menu to display Reference Data setup screen.

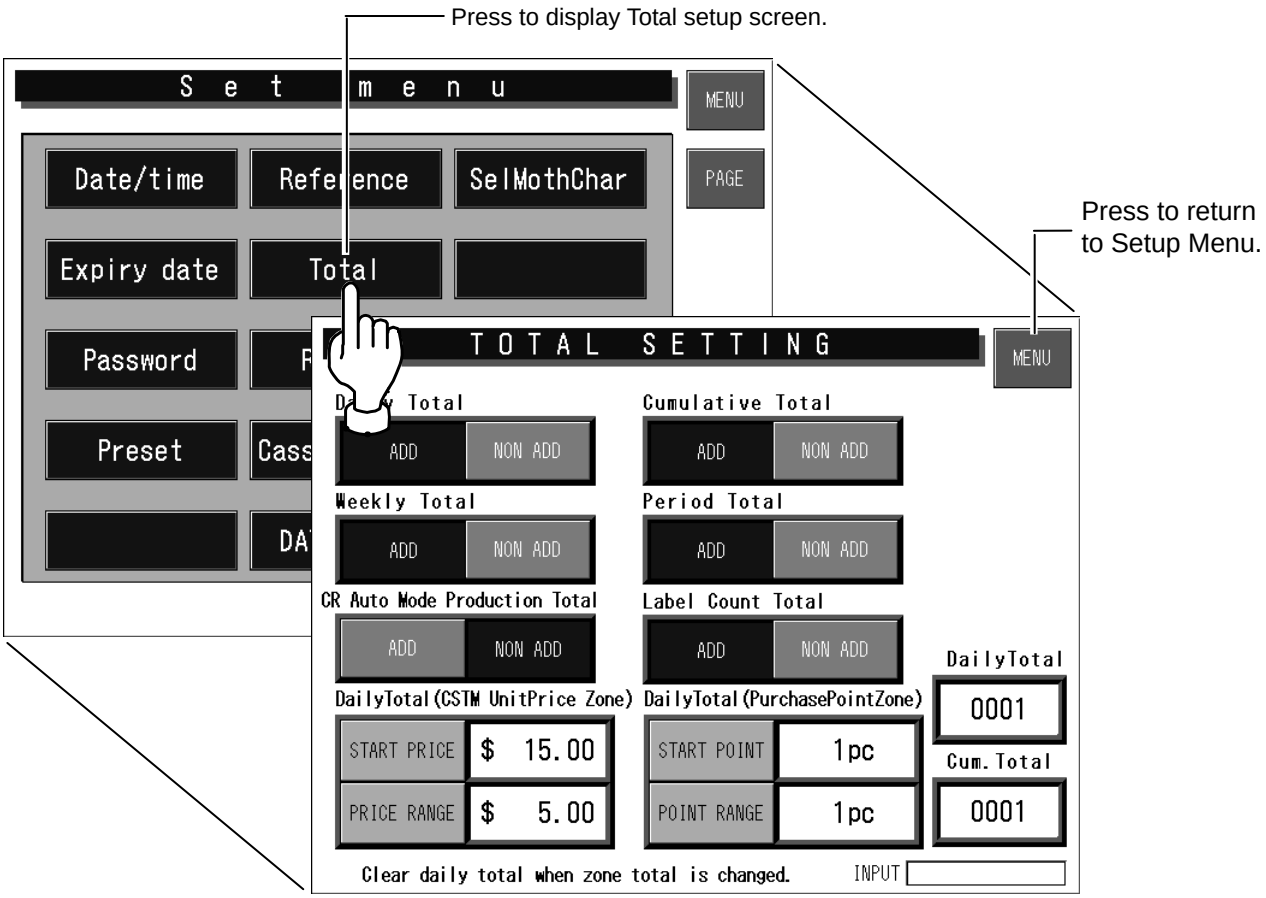


■ Setting Method for Each Item

Item	Operation	
Pack date print	YES	Pack date is printed on labels.
	NO	Pack date is not printed on labels.
Pack time print	YES	Pack time is printed on labels.
	NO	Pack time is not printed on labels.
Pack time select	Design	Designated time is used.
	Clock	Internal clock is used.
Expiry date print	YES	Expiry date is printed on labels.
	NO	Expiry date is not printed on labels.
Expiry time print	YES	Expiry time is printed on labels.
	NO	Expiry time is not printed on labels.
Fore printer select	YES	Top labels are printed.
	NO	Top labels are not printed.
Back printer select	NON	Bottom labels are not printed.
	BAR	Bottom labels are printed with barcodes.
	Ingre	Bottom labels are printed with ingredient data.
	IngBar	Bottom labels are printed with ingredient data and barcodes.
	Package	Bottom labels are printed with package information..
	PakBar	Prints barcodes and package information on bottom labels.
Symbol select	Select the symbol for the fixed price product.	

6.7 TOTAL SETTING

When setting various data for totals, press the [TOTAL] button on the Setup Menu to display Total Setup screen.



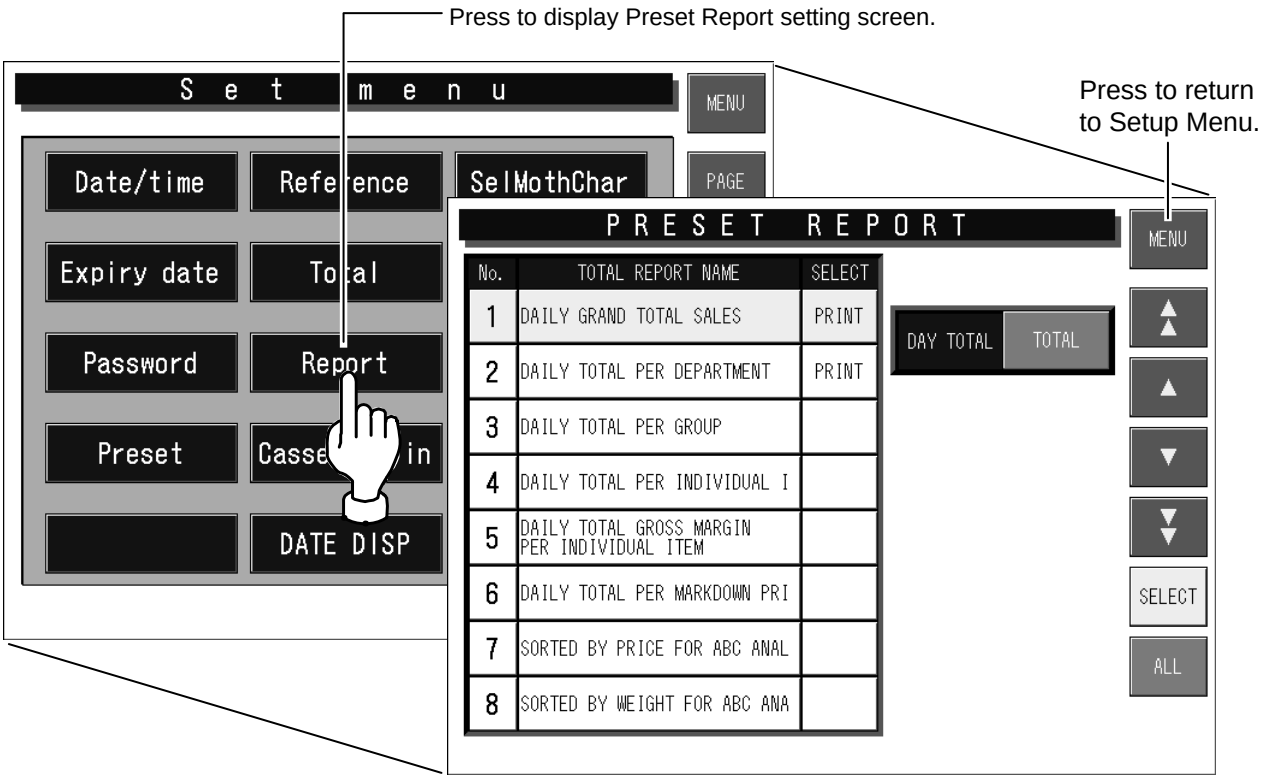
■ Setting Method for Each Item

Item	Operation	
Daily total	ADD	Production results are added to this total.
	NON ADD	Production results are not added to this total.
Cumulative total	ADD	Production results are added to this total l.
	NON ADD	Production results are not added to this total l.
Weekly total	ADD	Production results are added to this total.
	NON ADD	Production results are not added to this total.
Period total	ADD	Production results are added to this total.
	NON ADD	Production results are not added to this total.

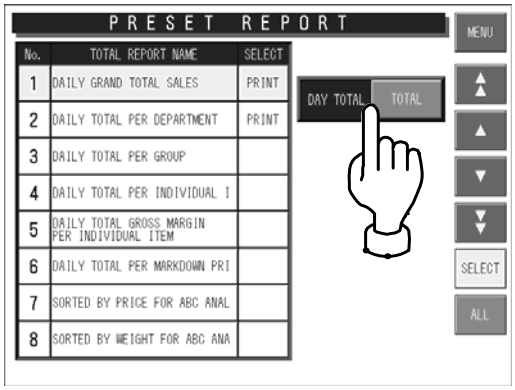
Item	Operation	
CR auto mode production total	ADD	Production result in continuous labeling is added to this total.
	NON ADD	Production result in continuous labeling is not added to this total.
Label count total	ADD	The number of issued labels is added to this total.
	NON ADD	The number of issued labels is not added to this total.
Daily total (CSTM unit price zone)	START PRICE	Up to 6 digits can be entered. **Example:** Start price $5.00 5 00 START PRICE **NOTE** Make sure to perform daily total clear immediately after changing the start time.
	PRICE RANGE	Up to 6 digits can be entered. **Example:** Price range $3.00 3 00 START PRICE **NOTE** Make sure to perform daily total clear immediately after changing the price range.
Daily total (Purchase point zone)	START POINT	Up to 2 digits can be entered. **Example:** Start point “1” 1 START POINT **NOTE** Make sure to perform daily total clear immediately after changing the start point.
	POINT RANGE	Up to 6 digits can be entered. **Example:** Point range “2” 2 POINT RANGE **NOTE** Make sure to perform daily total clear immediately after changing the point range.
Daily total	Daily total counter This counter is increased by one whenever total data is cleared after the issue of daily preset report.	
Cumulative total	Cumulative total counter This counter is increased by one whenever total data is cleared after the issue of cumulative preset report.	

6.8 PRESET REPORT SETTING

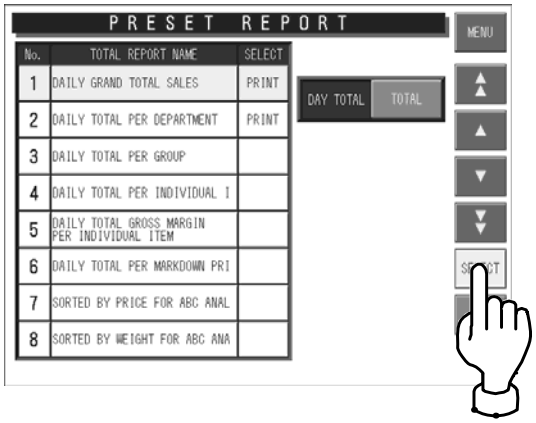
When selecting preset reports, press the [REPORT] button on the Setup Menu to display Preset Report setup screen.



1. **Press to select either the [DAY TOTAL] button for daily report or [TOTAL] button for cumulative report.**



2. **Select totals to be linked by using the [⏫] [⏬] [▲] [▼] buttons.**



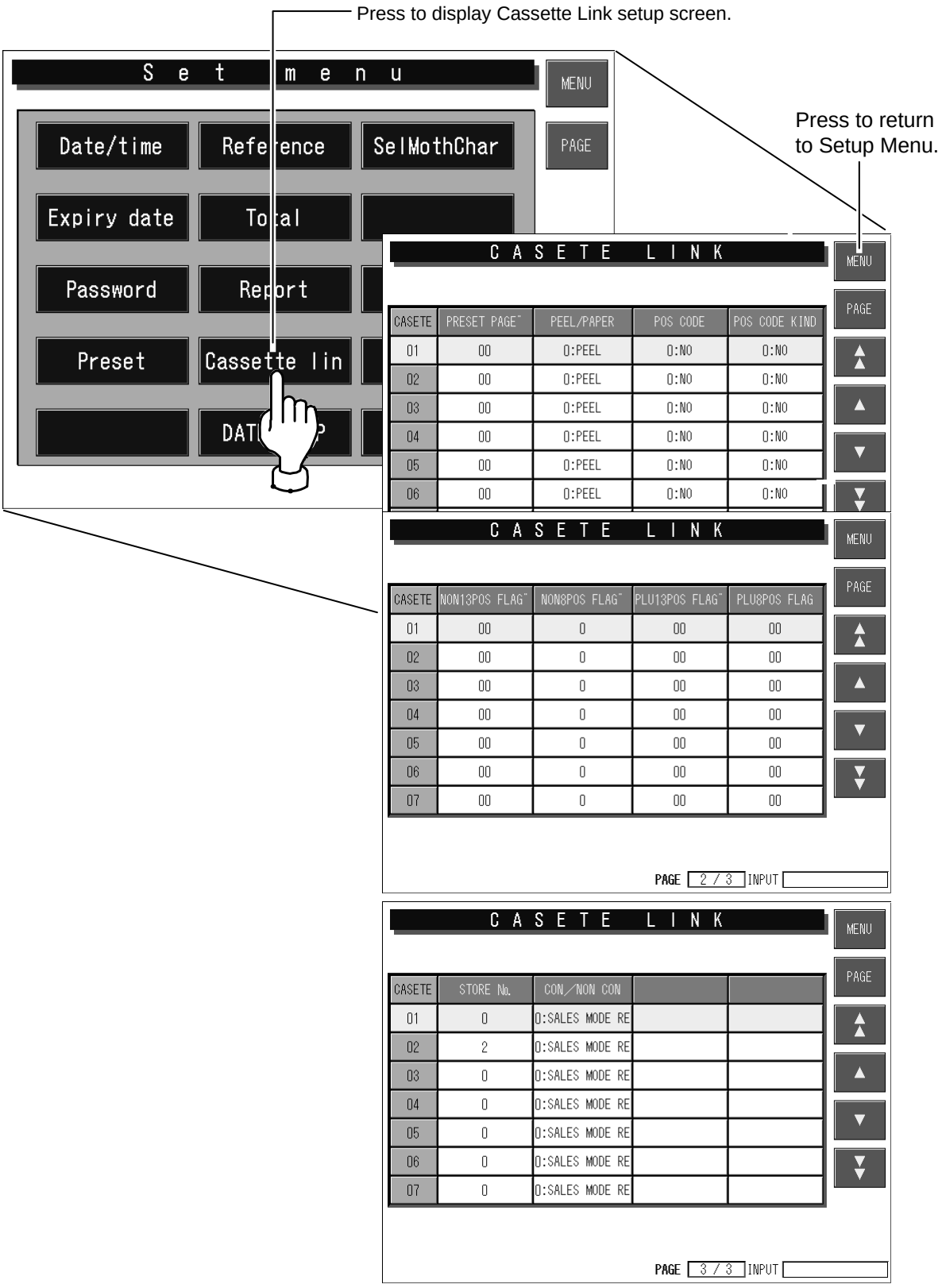
INFOR
To cancel a selected report, press the [SELECT] button again.

3. Press the [SELECT] button to select totals to be linked.

The message “PRINT” is displayed in the select column.

6.9 CASSETTE LINK SETTING

When setting the cassette link data, press the [CASSETTE LINK] button on the Setup Menu to display Cassette Link setup screen.



■ Setting Method for Each Item

Item	Example	Operation
PRESET PAGE Preset page	Set the second page to the cassette number “1”.	Up to page 99 can be entered. 2 PRESET PAGE
PEEL/PAPER Peel/Paper	Select the labeling method.	Press this button to display the selection screen.
		PEEL When issuing and peeling labels
		PAPER When issuing labels with backing paper.
POS CODE POS code	Select the POS code system.	Press this button to display the selection screen.
		NON POS code system is not set.
		NON PLU 13 Non PLU 13 system is set.
		NON PLU 8 Non PLU 8 system is set.
		PLU 13 PLU 13 system is set.
		PLU 8 PLU 8 system is set.

Item	Example	Operation
POS CODE KIND POS code kind	Select the POS code type.	Press this button to display the selection screen.
		No SET UP POS code type is not set.
		STD 5 dig POS code type is not set.
		C/P 6 dig Standard 5-digit is set.
		F/G 6 dig 6-digit including check-price is set.
		C/P Price 5 dig 6-digit including F/G is set.
		Code 5P6 6-digit code and 5-digit price are set.
NON 13 POS FLAG Non-PLU 13 POS flag	Set the Non-PLU 13 POS flag “2”.	Up to 99 can be entered. 2 NON 13 POS FLAG
NON 8 POS FLAG Non-PLU 8 POS flag	Set the Non-PLU 8 POS flag “2”.	Up to 9 can be entered. 2 NON 8 POS FLAG
PLU 13 POS FLAG PLU 13 POS flag	Set the PLU 13 POS flag “49”.	Up to 99 can be entered. 4 9 PLU 13 POS FLAG
PLU 8 POS FLAG PLU 8 POS flag	Set the PLU 8 POS flag “4”.	Up to 9 can be entered. 4 PLU 8 POS FLAG
STORE No. Store number	Set the store number “5”.	Up to 9999 can be entered. 5 STORE No.
CON/NON CON Continual/ Non-continual	Select to issue either multiple labels (continual) or one label (non-continual)	Press this button to display the selection screen.
		SALES MODE REF Sales mode setting is referred to.
		No CON Label are not continuously issued.
		CON Labels are continuously issued.

Design and specifications are subject to change without notice.

ISHIDA CO., LTD.

44 SANNO-CHO, SHOGOIN, SAKYO-KU
KYOTO, 606-8392 JAPAN
PHONE: 81-75-771-4141
FACSIMILE: 81-75-751-1634
URL: http://www.ishidajapan.com