

Operating Manual Printing Scale NETS Ver 2.1

ACOM Inc.

Specifications are subject to change without notice to improve
Vol. No. NO200301

GRATITUDE

We thank you for the choosing our label printing scale NETS, we are always trying to serve you with better quality as a reliable weighing instrument and enhanced features supporting various kinds of applications

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1. SPECIFICATIONS

| Model | NETS | | |
|--|---|-------|-------|
| Maximum capacity | 6 kg | 15 kg | 30 kg |
| Minimum graduation | 2g | 5g | 10g |
| Maximum Tare | Full Tare | | |
| Internal resolution | 1 / 60,000 | | |
| A/D Conversion speed | 9 ~ 14 times / sec. | | |
| Widths(mm) Paper / Label / printing | 60 / 58 / 56 | | |
| Available Labels(mm) | 35, 40, 60, 80, 100 | | |
| Label roll size(mm) | Max. ?120(1,200 labels at 40mm length) | | |
| Printing Speed(mm) | 80 ~ 100 | | |
| Speed PLU keys | 60 | | |
| PLU memory | Standard Memory(0.5MB) : 1000 labels at 500 characters Extended Memory (1MB) | | |
| Numeric Displays(digit) | LED Price(8) , Weight (5) , Unit price(7) | | |
| Message Display | LCD Graphic 256 x 32 pixels | | |
| Platter size mm(inch) | 415(16.3) x 260(10.2) | | |
| Product size mm(inch) | W460(18.1) x D440(17.3) x H470(18.5) | | |
| Power source | AC 100 ~ 240 / 50 , 60 Hz (Free Voltage) | | |
| Power consumption | Printing : Approx. 100W max. Stand by : Approx. 40W | | |

2. OPTIONS

- | | | |
|--|------------------------|--|
| 1. Net work Board ? TCP/IP protocol | 2. Extended PLU memory | 3. Weight conversion ? kg ? lb conversion |
|--|------------------------|--|

3. PRECAUTIONS

1. Place the scale on a flat and rigid desk that is free of vibrations
2. Place the scale out of direct sunlight
3. Do not use radio devices which emits strong electromagnetic fields near by
4. Do not apply sudden impact to the platter
5. Always level the scale
6. Do not spill the water to the scale
7. Do not use cleaners which includes solvent or sinner
8. Scale should be calibrated by authorized person prior to being to used
9. Turn on the scale 10 minutes before using

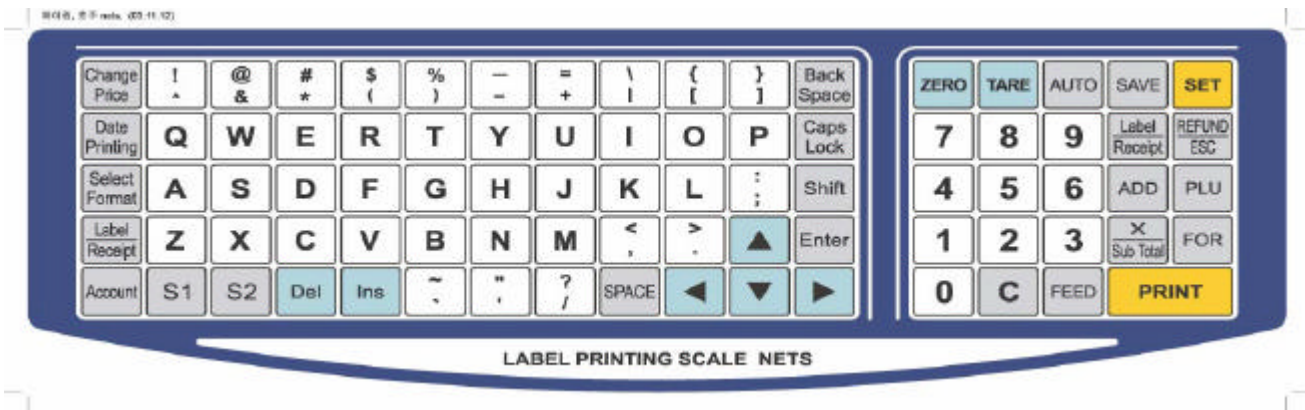
4. OVERVIEWS



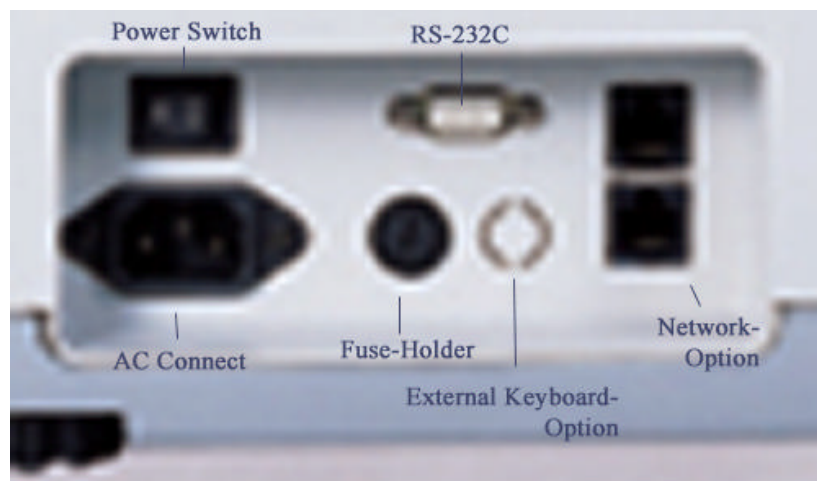
Displays



Key Board



I/O Connections



5. INSTALLATION

1. Place the scale on a flat and rigid desk
2. Insert two display wire connectors between displays and scale
3. Erect the display pole into display bracket
4. Arrange the display wire and block the bottom of bracket with plate
5. Fasten display bracket and plate with 4 x M3 screws
6. Level the scale
7. Turn on the scale

6. KEYBOARD AND FUNCTIONS

| Name of Key | Functions |
|--|--|
| <div style="display: flex; align-items: center; justify-content: center; gap: 10px;"> <div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center;">0</div> ~ <div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center;">9</div> </div> | Numeric keys, used to enter unit price and programming data |
| <div style="border: 1px solid black; padding: 5px; width: 40px; margin: 0 auto;">C</div> | Clear key, used to clear unit price and programming data |
| <div style="border: 1px solid black; padding: 5px; width: 40px; margin: 0 auto;">ZERO</div> | Zero key, used to correct weight display to zero(0.000) when scale has been drifted |
| <div style="border: 1px solid black; padding: 5px; width: 40px; margin: 0 auto;">TARE</div> | Tare key, used to set or remove tare(container) weight, after tare set scale displays net weight and the designator " NET " is turned on |
| <div style="border: 1px solid black; padding: 5px; width: 40px; margin: 0 auto;">AUTO</div> | Auto key, used to set scale to automatic printing mode, scale prints automatically after weight stable, the designator " AUTO " is turned on while this function is activated, key works by toggle |
| <div style="border: 1px solid black; padding: 5px; width: 40px; margin: 0 auto;">SAVE</div> | Save key, used to save current PLU, the designator " SAVE " is turned on while this function is activated, key works by toggle |
| <div style="border: 1px solid black; padding: 5px; width: 40px; margin: 0 auto;">SET</div> | Set key, used to enter to set mode, toggle key |
| <div style="border: 1px solid black; padding: 5px; width: 40px; margin: 0 auto;">FUNC</div> | Only ticket printing mode. PAY Key |
| <div style="border: 1px solid black; padding: 5px; width: 40px; margin: 0 auto;">ESC</div> | Escape key, used to cancel of previous transaction(s), escape from each menu of the set mode |
| <div style="border: 1px solid black; padding: 5px; width: 40px; margin: 0 auto;">ADD</div> | Add up key, used to add up of commodities |
| <div style="border: 1px solid black; padding: 5px; width: 40px; margin: 0 auto;">PLU</div> | PLU key, used to call indirect PLU |

| Name of Key | Functions |
|--------------|--|
| X | Multiple key, used to printing of same labels |
| FOR | For key, used to selling by number |
| FEED | Feed key, Used to feeding a label or ticket |
| PRINT | Print key, Used to printing label or ticket |

7. THE DESIGNATORS

| Designators | Functions |
|------------------|--|
| ZERO | It indicates scale is on center of zero |
| STABLE | It indicates scale is stable |
| NET | It indicates tare has been set |
| SHIFT | It indicates shift function in PLU programming |
| CAPS LOCK | It indicates function of entering capital letter |
| INS | It indicates function of insertion |
| COM | It indicates scale is under communication |
| AUTO | It indicates automatic printing mode |
| SAVE | It indicates PLU saving mode |
| SALE | It indicates sale mode |
| FUNC | It indicates scale is under function mode |

| Name of Key | Functions |
|--|--|
| <div style="border: 1px solid black; padding: 5px; text-align: center;"> CHANGE PRICE </div> | Used to change the price of a PLU |
| <div style="border: 1px solid black; padding: 5px; text-align: center;"> DATE PRINTING </div> | Used to select the printing of the Date, key works as a toggle switch |
| <div style="border: 1px solid black; padding: 5px; text-align: center;"> SELECT FORMAT </div> | <p style="text-align: center;">Feed key, Used to feeding a label or ticket</p> |
| <div style="border: 1px solid black; padding: 5px; text-align: center;"> LABEL RECEIPT </div> | Label/Receipt Key, Used to set label printing or receipt printing |
| <div style="border: 1px solid black; padding: 5px; text-align: center;"> ACCOUNT </div> | Used to enter the account mode |

PRICE CHANGE FUNCTION KEY

1. Press SET
2. Press Change Price
3. Press PLU Speed Key or KEY IN PLU number and press PLU button.
4. Enter New Price
5. Press Save
6. Repeat step 3 to enter another price change or press ESC, then SET to return to user mode.

8. SELLING MODE - LABEL

Selling mode consists of 4 subsidiary mode, refer to the each page for the details

1) SELLING BY WEIGHT

See Page 9

2) SELLING BY COUNT

See Page 10

3) PRICE ADD UP

See Page 11

4) MULTIPLE LABELS

See Page 12

8. SELLING MODE - RECEIPT

1) SELLING BY WEIGHT

See Page 14

**2) SELLING BY FIXED
PRICE**

See Page 15

3) COMPLETING SALES

See Page 16

**4) RETURN MODE WITHIN
A SALE**

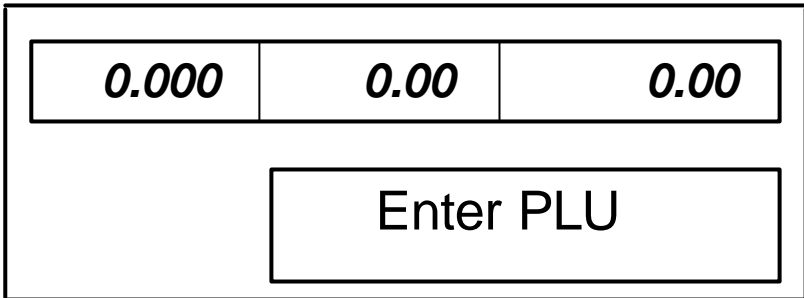
See Page 17

8. SELLING MODE - LABEL

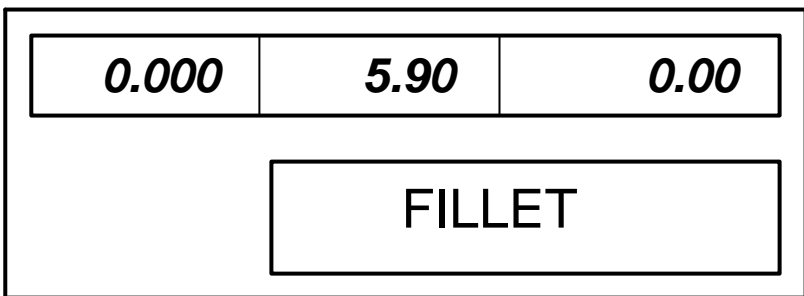
Note : Scale dose not print out any label or ticket unless PLU has been programmed, refer to the EDIT PLU of the SET MODE

1) SELLING BY WEIGHT

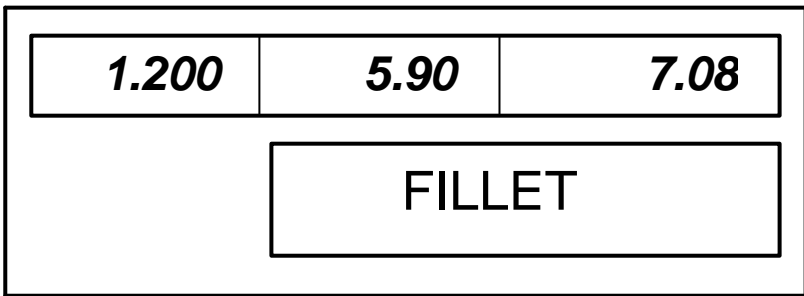
Weighing(normal) mode



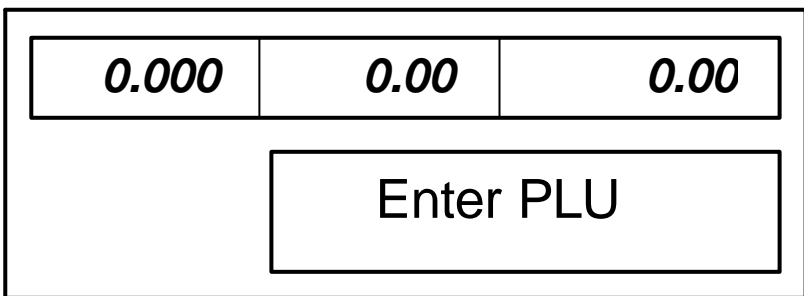
Enter PLU by pressing one of **SPEED** key(direct) or by enter PLU number and press **PLU** key(indirect)



Put commodity(Fillet) on the platter and press **PRINT** key
While the designator **AUTO** is turned on, scale prints automatically



Remove commodity on the platter
While the designator **SAVE** is turned on, scale saves current PLU



2) SELLING BY COUNT

Weighing(normal) mode

| | | |
|--------------|-------------|-------------|
| <i>0.000</i> | <i>0.00</i> | <i>0.00</i> |
| Enter PLU | | |

Enter PLU by pressing one of **SPEED** key(direct) or by enter PLU number and press **PLU** key(indirect)

| | | |
|--------------|-------------|-------------|
| <i>0.000</i> | <i>0.25</i> | <i>0.00</i> |
| SWEET CANDY | | |

Press **FOR** key

| | | |
|-------------|----------|-------------|
| | <i>1</i> | <i>0.25</i> |
| SWEET CANDY | | |

Enter number of unit price and **PRINT** key, and change price again press For key.

| | | |
|-------------|----------|-------------|
| | <i>5</i> | <i>0.25</i> |
| SWEET CANDY | | |

Weighing mode

| | | |
|--------------|-------------|-------------|
| <i>0.000</i> | <i>0.00</i> | <i>0.00</i> |
| Enter PLU | | |

3) PRICE ADD UP

Weighing(normal) mode

| | | |
|--------------|-------------|-------------|
| <i>0.000</i> | <i>0.00</i> | <i>0.00</i> |
| Enter PLU | | |

Enter PLU by pressing one of **SPEED** key(direct) or by enter PLU number and press **PLU** key(indirect)

| | | |
|--------------|-------------|-------------|
| <i>0.000</i> | <i>7.99</i> | <i>0.00</i> |
| TENDERLOIN | | |

Put commodity(Tenderloin) on the platter and press **ADD** key

| | | |
|--------|----------|-------------|
| | <i>1</i> | <i>7.99</i> |
| ADD UP | | |

Remove the commodity(Tenderloin) and enter another PLU

| | | |
|--------------|-------------|-------------|
| <i>0.000</i> | <i>5.90</i> | <i>0.00</i> |
| FILLET | | |

Put the commodity(Fillet) on the platter

| | | |
|--------------|-------------|-------------|
| <i>1.200</i> | <i>5.90</i> | <i>7.08</i> |
| FILLET | | |

Press **ADD** key,
 repeat above steps for add up of
 commodities or press **PRINT** key to
 print for sum total price

| | | |
|---------------|----------|-------------|
| | 2 | 7.99 |
| ADD UP | | |

| | | |
|------------------|-------------|-------------|
| <i>0.000</i> | <i>0.00</i> | <i>0.00</i> |
| Enter PLU | | |

4) MULTIPLE LABELS

Weighing(normal) mode
 Multiple labels function is suppressed
 on Ticket Printing version

| | | |
|------------------|-------------|-------------|
| <i>0.000</i> | <i>0.00</i> | <i>0.00</i> |
| Enter PLU | | |

Enter PLU by pressing one of **SPEED**
 key(direct) or by enter PLU number
 and press **PLU** key(indirect)

| | | |
|--------------|-------------|-------------|
| <i>0.100</i> | <i>1.99</i> | <i>1.99</i> |
| APPLE | | |

Put commodity(Apple) on the platter
 and press **X** key

| | | |
|-------------------|----------|-------------|
| | 1 | 1.99 |
| Labels?: 1 | | |

Enter number of labels,
for example 5

| | | |
|------------|----------|-------------|
| | 5 | 1.99 |
| Labels?: 5 | | |

Press **PRINT** key
scale prints a label when each pressing
PRINT key

| | | |
|------------|----------|-------------|
| | 4 | 1.99 |
| Labels : 4 | | |

| | | |
|--------------|-------------|-------------|
| 0.000 | 0.00 | 0.00 |
| Enter PLU | | |

SELLING MODE - RECEIPT

1) WEIGHING MODE

| | | |
|--------------|-------------|-------------|
| <i>0.000</i> | <i>0.00</i> | <i>0.00</i> |
| Enter PLU | | |

Enter PLU by pressing one of the speed keys (direct) or by entering the PLU number and press PLU key (indirect).

| | | |
|--------------|-------------|-------------|
| <i>0.000</i> | <i>5.90</i> | <i>0.00</i> |
| FILLET | | |

Put commodity on the platter

| | | |
|--------------|-------------|-------------|
| <i>1.200</i> | <i>5.90</i> | <i>7.08</i> |
| FILLET | | |

Press Operator Key, eg OPERATOR 1

| | | |
|--------------|----------|-------------|
| <i>OP-01</i> | <i>1</i> | <i>7.10</i> |
| SUB TOTAL | | |

Take item off platter
Return to step 1 to add another product or move to Completing Sale Operation

| | | |
|--------------|-------------|-------------|
| <i>0.000</i> | <i>0.00</i> | <i>0.00</i> |
| Enter PLU | | |

2) FIXED PRICE

Weighing (normal) mode

| | | |
|--------------|-------------|-------------|
| <i>0.000</i> | <i>0.00</i> | <i>0.00</i> |
| Enter PLU | | |

Enter PLU by pressing one of the speed keys (direct) or by entering the PLU number and press PLU key (indirect).

| | | |
|--------------|-------------|-------------|
| <i>0.000</i> | <i>5.90</i> | <i>0.00</i> |
| FILLET | | |

If no weight is placed on the platter, PLU acts as FIXED PRICE ITEM.
NOTE: IF FOR button is pressed and Quantity added eg 2 price is multiplied by QUANTITY.

| | | |
|------------|-------------|--------------|
| <i>2</i> | <i>5.90</i> | <i>11.80</i> |
| COUNT SALE | | |

Press Operator button to enter sale.

| | | |
|--------------|----------|--------------|
| <i>OP-01</i> | <i>1</i> | <i>11.80</i> |
| SUB TOTAL | | |

Return to Step 1 to add another product or move to Step 3. Completing Sale Operation

3) COMPLETING SALE OPERATION

Normal Weighing Mode

| | | |
|--------------|-------------|-------------|
| <i>0.000</i> | <i>0.00</i> | <i>0.00</i> |
| Enter PLU | | |

Press OPERATOR preset button.
Press SUB TOTAL, number of items
and total will be displayed

| | | |
|--------------|----------|-------------|
| <i>OP-01</i> | <i>1</i> | <i>7.10</i> |
| SUB TOTAL | | |

Enter SUB TOTAL amount given by
Customer, if change amount is needed or
just press print. Total will print on receipt.
Scale will return to normal Weighing mode.

| | | |
|--------------|-------------|-------------|
| <i>0.000</i> | <i>0.00</i> | <i>0.00</i> |
| Enter PLU | | |

4) RETURN MODE

NORMAL WEIGH MODE

| | | |
|--------------|-------------|-------------|
| <i>0.000</i> | <i>0.00</i> | <i>0.00</i> |
| Enter PLU | | |

After adding sales, press OPERATOR preset, press SUBTOTAL, the number of items and total will be displayed.

| | | |
|--------------|----------|-------------|
| <i>OP-01</i> | <i>1</i> | <i>7.10</i> |
| SUB TOTAL | | |

Press REFUND/ESC button twice, press the DOWN arrow to scroll thru selected PLU items. When item is displayed press print to return item. Repeat step 2 if another product is to be returned or continue on with sale.

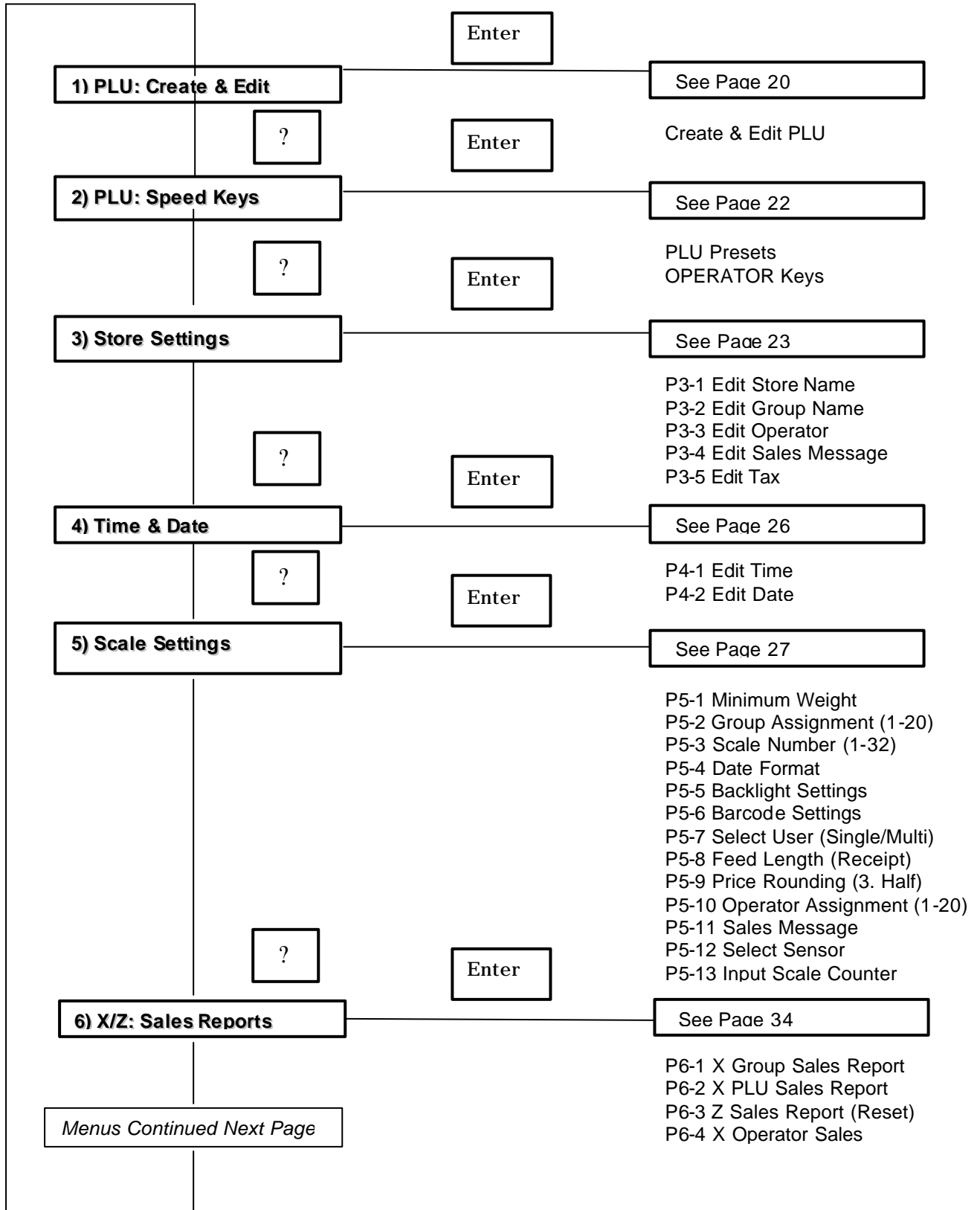
| | | |
|----------------------|----------|-------------|
| <i>OP-01</i> | <i>1</i> | <i>7.10</i> |
| FILLET STEAK 1PCS | | <i>7.10</i> |

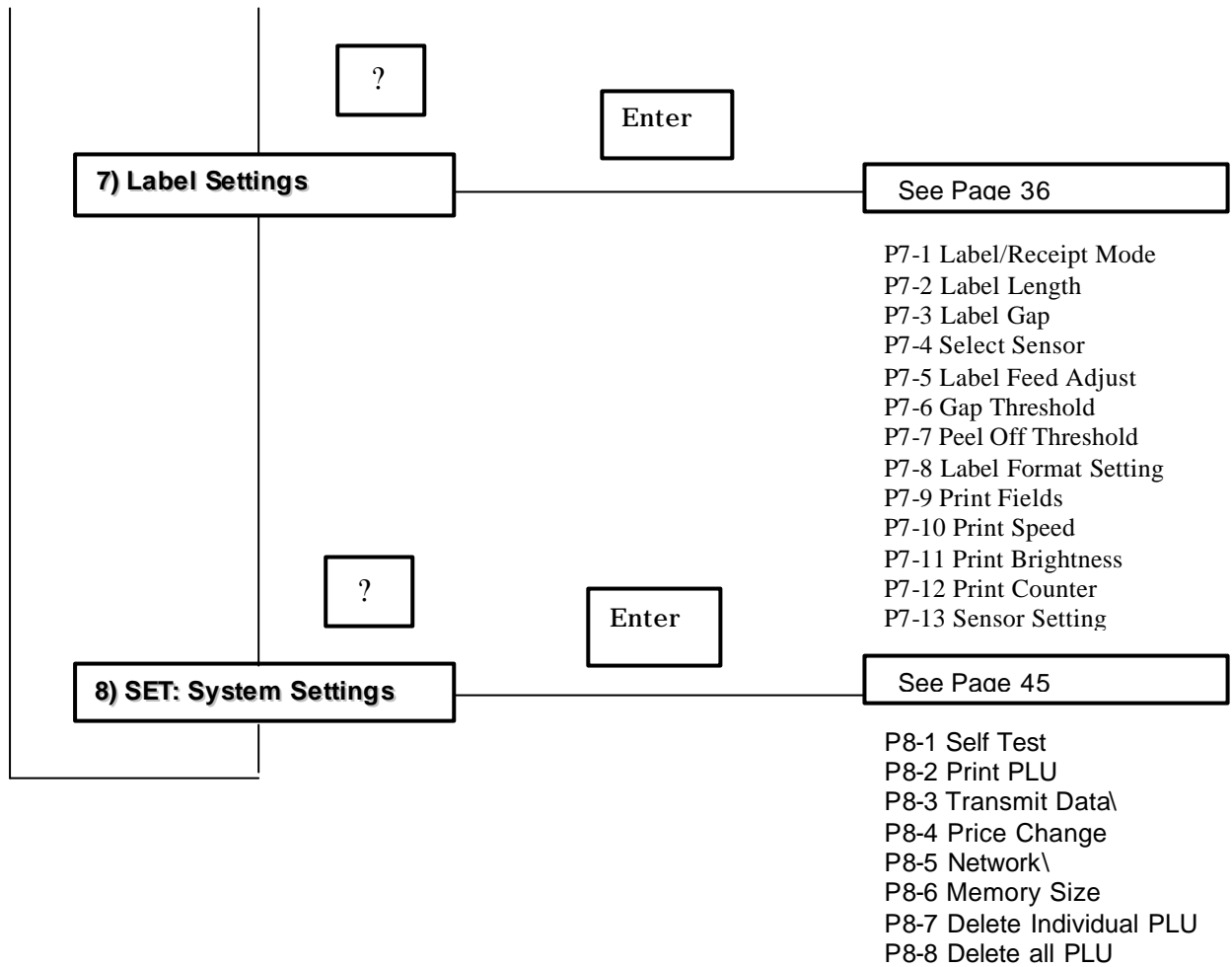
NO SALE FUNCTION

Press SET and enter password if required. Press the AUTO key to open draw.

9. SET MODE

Set mode consists of 8 subsidiary mode, in the set mode please take out PLU card in the key board
 “?” key is used to move to next mode, **Enter** key is used to entering data, **ESC** key is used to escape of current using mode and **SET** key is used to return to the normal mode
 Press **SET** key





1) PLU: Create & Edit

Enter PLU number, available numbers are 0 ~ 999,999 and press **Enter** key

| | | |
|----------------------|--|----------|
| P1- 0 | | 1 |
| PLU – 0. PLU Number. | | |

Enter commodity name and press **Enter** key, Max. 56 characters x 2 lines are available, for one line of commodity, press **Enter** key again to skip second line

| | | |
|---|--|--|
| P1- 1 | | |
| PLU – 1. Commodity Name- 1 [Tenderloin] | | |

Enter group code and press **Enter** key numbers 0 ~ 99 are available
Group codes are used to grouping PLUs by categories of commodities

| | | |
|---------------------|--|-----------|
| P1- 2 | | 20 |
| PLU – 2. Group Code | | |

Enter UPC code and press **Enter** key numbers 0 ~ 999,999 are available
UPC code is commodity code of bar code

| | | |
|-------------------|--|--------------|
| P1- 3 | | 12345 |
| PLU – 3. UPC Code | | |

Enter unit price and press **Enter** key

| | | |
|---------------------|--|-------------|
| P1- 4 | | 3.95 |
| PLU – 4. Unit Price | | |

Enter shelf date and press **Enter** key
0 ~ 366 days are available,

| | | |
|--|--|-----------|
| P1- 5 | | 14 |
| <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> PLU – 6. Shelf Life </div> | | |

Enter Tax code and press **Enter** key
available codes are 1 ~ 10

0 = No Tax
1 = 10% tax

| | | |
|---|--|----------|
| P1- 6 | | 0 |
| <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> PLU – 6. PLU Tax </div> | | |

Enter ingredients 0 ~ 9 and press **Enter** key at the each ingredient
Max. 56 characters x 10 lines are available, ingredient can be printed at the label length 60 mm or longer,
*Pressing **SAVE** key finishes edit PLU at the any entering of ingredient*

| | | |
|---|--|--|
| P1- 7 | | |
| <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> PLU – 7. Ingredient –1 [] </div> | | |

Enter nutritional 0 ~ 9 and press **Enter** key at the each ingredient
Max. 56 characters x 10 lines are available, ingredient can be printed at the label length 60 mm or longer,
*Pressing **SAVE** key finishes edit PLU at the any entering of ingredient*

| | | |
|---|--|--|
| P1- 8 | | |
| <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> PLU – 8 Nutritional- 1 [] </div> | | |

Enter cooking 0 ~ 9 and press **Enter** key at the each ingredient
Max. 56 characters x 7 lines are available, ingredient can be printed at the label length 60 mm or longer,
*Pressing **SAVE** key finishes edit PLU at the any entering of ingredient*

| | | |
|---|--|--|
| P1- 9 | | |
| <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> PLU – 9 Cooking –1 [] </div> | | |

Repeat steps to enter another PLU or press **ESC** key to the next mode
 To return to the normal mode, press **SET** key

| | | |
|---|--|----------|
| P1- 0 | | 2 |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> PLU – 0. PLU Number </div> | | |

2) PLU: Speed Keys

| | | |
|---|--|--|
| P2 | | |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> Press Speed Key </div> | | |

Press one of speed keys, speed key number is shown on the unit price display and PLU number is shown on the total price display, enter PLU number which will be assigned

| | | |
|---|----------|----------|
| P2 | 1 | 1 |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> Speed Key No : 1 Assigns PLU No : [123456] </div> | | |

Press "*" key in operator assign mode.

| | | |
|--|----------|----------|
| P2 | 1 | 1 |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> Speed Key No : 1 Operator Assigns : [1] </div> | | |

Press **SAVE** key to store, repeat steps to enter other speed keys or press **ESC** key to exit(next mode)

| | | |
|---|--|--|
| P2 | | |
| <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> Press Speed Key </div> | | |

3) Store Settings

3-1 Edit Store Name

| | | |
|-------------------|--|--|
| P3 | | |
| 3. Store Settings | | |

Press **Enter** key

| | | |
|--------------------|--|--|
| P3-1 | | |
| 1. Edit Store name | | |

Press **Enter** key and enter store name,
3 lines of store name is available
Max. 56 characters x 3 lines

| | | |
|---|--|--|
| P3-1 | | |
| Edit Store Name - 1 [The World Shopping Center] | | |

Press **Enter** key and enter 2nd line of
store name or press **ESC** key
to skip 2nd, 3rd lines of store name

| | | |
|----------------------------|--|--|
| P3-1 | | |
| Edit Store Name - 2 [] | | |

3-2 Edit Group Name

Group is used to managing PLUs by categories of commodities, for examples, meet, fruit and vegetable

Press Enter key

| | | |
|--------------------|--|--|
| P3-2 | | |
| 2. Edit Group Name | | |

Repeat steps to enter another operator or press **ESC** key twice to the next

| | | |
|-------------------------------|--|----------|
| P3-3 | | 2 |
| 3. Edit operator [Linda] | | |

3-4 Edit Sale Message(Registration)

Sale message is an advertising which can be displayed on the message display
 Press **Enter** key

| | | |
|----------------------|--|--|
| P3-4 | | |
| 4. Edit Sale Message | | |

Enter sale message code and press **Enter** key

| | | |
|-----------------------------|--|----------|
| P3-4 | | 1 |
| 4. Edit Sale Message [] | | |

Enter sale message and press **Enter** key

| | | |
|---|--|----------|
| P3-4 | | 1 |
| 4. Edit Sale Message [Have a Nice Day] | | |

Repeat steps to enter another sale message, or press **ESC** key twice to the next mode
 Pressing **SET** key enables to return to the normal mode at here

| | | |
|-----------------------------|--|----------|
| P3-4 | | 2 |
| 4. Edit Sale Message [] | | |

3-5 Edit Tax

Title is used in TAX, for examples "12.20"and "10.00",
Press **Enter** key

| | | |
|-------------|--|--|
| P3-5 | | |
| 5. Edit Tax | | |

Enter tax code and press **Enter** key

| | | |
|-----------------------|--|----------|
| P3-5 | | 1 |
| 5. Edit Tax [] | | |

Enter title and press **Enter** key,
repeat steps to enter another tax
or press **ESC** key twice to the next
Max. 5 characters x 10 tax are
available

| | | |
|------------------------|--|----------|
| P3-5 | | 1 |
| 5. Edit Tax [10.00] | | |

4) Time & Date

| | | |
|----------------|--|--|
| P4 | | |
| 4. Time & Date | | |

Enter time and press **Enter** key,
time format should be HH-MM-SS
at this step

| | | |
|-----------------------------|---------------|---------------|
| P4- 1 | 123456 | XXXXXX |
| Edit Time : HH - MM - SS | | |

Enter date by format YY-MM-DD and press **Enter** key, formats DD-MM-YY and MM-DD-YY are available in normal operation mode

| | | |
|----------------------------|---------------|---------------|
| P4- 2 | 011221 | 011221 |
| Edit Date : YY - MM- DD | | |

Press **ESC** key twice to the next

| | | |
|--------------------------------------|---------------|---------------|
| P4- 1 | 123456 | XXXXXX |
| Edit Date/Time - Time HH - MM- SS | | |

5) Scale Settings

5-1 Minimum Weight of Auto Printing
 Press **Enter** key

| | | |
|--|--|--|
| P5-1 | | |
| 1. Minimum Weight for Auto Printing | | |

Enter motion band of auto printing and press **Enter** key,

| | | |
|--|--|-----------|
| P5-1 | | 40 |
| 1. Minimum Weight for Auto Printing | | |

5-2 Group Assignment
 Press **Enter** key

| | | |
|---------------------|--|--|
| P5-2 | | |
| 2. Group Assignment | | |

Select group code and press **Enter** key
codes 0 ~ 99 are available,

| | | |
|--------------------|--|----------|
| P5-2 | | 1 |
| 2 Group Assignment | | |

5-3 Scale Number

Press **Enter** key

| | | |
|------------------|--|--|
| P5-3 | | |
| 3. Select Number | | |

Select scale code and press **Enter** key
codes 0 ~ 99 are available,

| | | |
|------------------|--|----------|
| P5-3 | | 1 |
| 3. Select Number | | |

5-4 Select Date Format

Press **Enter** key

| | | |
|-----------------------|--|--|
| P5-4 | | |
| 4. Select Date Format | | |

Select date format and press **Enter** key

| | | |
|--|--|----------|
| P5-4 | | 1 |
| 1. YY- MM- DD 2. MM- DD- YY 3. DD- MM- YY | | |

5-5 Back Light Settings

Press **Enter** key

| | | |
|------------------------|--|--|
| P5-5 | | |
| 7. Back Light Settings | | |

Select 1 or 2, default setting is 2
and press **Enter** key

| | | |
|------------------------------------|--|----------|
| P5-5 | | 2 |
| 1. Always On 2. Motion/Keypress | | |

5-6 BarCode Settings

Press **Enter** key

| | | |
|---------------------|--|--|
| P5-6 | | |
| 8. Barcode Settings | | |

Select bar code and press **Enter** key

| | | |
|--|--|----------|
| P5-6 | | 4 |
| 1. UPC- 12 2. UPC- 13 3. EAN- 8 4. EAN- 13 5. 2of5 | | |

A default format of EAN-13 consists of group code DD(2 digit), item code IIIII(5 digit) and price P(5 digit), item code can be varied within 6 digit and price can be varied within 7 digit, if price is greater than the digit of price set then "0" will be printed on the price column

Ex. 1 ; 7 digit price DD III P(5 digit) or D IIIII P(5 digit) or IIIII P(5 digit)

Ex. 2 ; 6 digit price DD IIIII P(5 digit) or D IIIII P(5 digit) or IIIII P(5 digit)

Ex. 3 ; Printing weight instead of price on the bar code DD IIIII W(5 digit)

Ex: 4 Printing 02 or 29 Barcode Enter 02IIIIIPPPPC or 29IIIIIPPPPC

Enter barcode format and press **Enter** key

| | | |
|------------------------------------|--|----------|
| P5-6 | | 4 |
| Default Format [DDIIIIIPPPPP] | | |

Press **ESC** key to exit
5-7 Select User(Ticket)

Press **Enter** key

| | | |
|------------------------|--|--|
| P5-7 | | |
| 7. Select User(Ticket) | | |

Select user mode and press **Enter** Key.
Multi User used for RECEIPT system.

| | | |
|--------------------------------|--|----------|
| P5-7 | | 1 |
| 1. Singel User 2. Mult User | | |

5-8 Feed Length(Ticket)

Press **Enter** key

| | | |
|------------------------|--|--|
| P5-8 | | |
| 8. Feed Length(Ticket) | | |

Enter Feed Length and
press **Enter** key
5~30 mm.

| | | |
|---------------------|--|----------|
| P5-8 | | 6 |
| Feed Length(Ticket) | | |

5-9 Price Rule

Press **Enter** key

| | | |
|---------------|--|--|
| P5-9 | | |
| 9. Price Rule | | |

Select price rule and press **Enter** key.
3. HALF

| | | |
|---|--|----------|
| P5-9 | | 1 |
| 1.Normal 2.Dime 3.Half 4.Quarter | | |

5-10 Operator Assignment

Press **Enter** key
Assign number of OPERATORS

| | | |
|-------------------------|--|--|
| P5-10 | | |
| 10. Operator Assignment | | |

Select operator code and press **Enter**
Key, codes 0 ~ 99 are available,

| | | |
|-------------------------|--|----------|
| P5-10 | | 1 |
| 10. Operator Assignment | | |

5-11 Sales MSG Assignment

Press **Enter** key

| | | |
|-------------------------|--|--|
| P5-11 | | |
| 11. Sale MSG Assignment | | |

Select sale message code and press **Enter** key, codes 0~99 are available

| | | |
|-------------------------|--|----------|
| P5-11 | | 1 |
| 11. Sale MSG Assignment | | |

5-12 Select Sensor

Press **PRINT** key

| | | |
|-------------------|--|----------|
| P5-12 | | 1 |
| 12. Select Sensor | | |

Select Either

- 1. Gap Sensor
- 2. Peel OFF Sensor

Press **PRINT** key

| | | |
|-------------------------------------|--|----------|
| P5-12 | | 1 |
| 1. Gap Sensor 2. Peel OFF Sensor | | |

P5-13 INPUT SCALE COUNTER

5-13 Input Scale Counter

Press **PRINT** key

| | | |
|------------------------|--|----------|
| P5-13 | | 1 |
| 13.Input Scale Counter | | |

Input number of scales in system eg. 2
Press SAVE key.
ESC to Exit.

| | | |
|---------------------|--|----------|
| P5-13 | | 2 |
| Input Scale Counter | | |

6) X/Z: Sales Reports

Press **SET** then **ACCOUNT** button.

6-1 X: Group Sales Report

Press **Enter** key

| | | |
|--------------------------|--|--|
| P6-1 | | |
| 1. X: Group Sales Report | | |

Enter group number and press **Enter** key, group total is printed

Press **C** to print ALL GROUPS

Press **Print**

| | | |
|---|--|----------|
| P6-1 | | 1 |
| - Group Sales Report- Input Group Number | | |

Repeat steps to print another group or press **ESC** key to exit

| | | |
|---|--|----------|
| P6-1 | | 1 |
| - Group Sales Report- Input Group Number | | |

6-2 X: PLU Sales Report

Press **Enter** key

| | | |
|------------------------|--|--|
| P6-2 | | |
| 2. X: PLU Sales Report | | |

Enter PLU group code and press **PRINT** key

Press **C** to print ALL GROUPS

Press **PRINT**

| | | |
|------------------------------------|--|----------|
| P6-2 | | 1 |
| - PLU Sales Report- Input PLU # | | |

Repeat steps to print another PLU group or press **ESC** key to exit

| | | |
|------------------------------------|--|----------|
| P6-1 | | 1 |
| - PLU Sales Report- Input PLU # | | |

6-3 Z: Scale Report (WARNING THIS WILL CLEAR ALL TOTALS. PRINT OPERATOR TOTAL BEFORE Z IF NEEDED)

Press **Enter** key

| | | |
|--------------------|--|--|
| P6-3 | | |
| 3. Z: Scale Report | | |

Select a 1 or 0 and press **PRINT** key
 1 : Print scale total and clear all account data.
 0 = Cancel

| | | |
|---|--|--|
| P6-3 | | |
| - Scale Report- Are you sure?(Y(1)/N(0)) | | |

Repeat steps to get another daily total or press **ESC** to exit

| | | |
|---|--|--|
| P6-3 | | |
| - Scale Report- Are you sure?(Y(1)/N(0)) | | |

6-4 Operator Sales(Ticket)
 Press **Enter** key

| | | |
|--------------------|--|--|
| P6-4 | | |
| 4. Operator Scales | | |

Enter operator code and press **Enter** key

Press **C** to print ALL OPERATORS
Press **PRINT**

| | | |
|---|--|----------|
| P6-2 | | 1 |
| - Operator Sales Report- Input operator Number | | |

Repeat steps to print another operator code or press **ESC** key to exit

| | | |
|---|--|----------|
| P6-1 | | 1 |
| - Operator Sales Report- Input operator Number | | |

7) Label Settings

7-1 Select Label or Ticket

Press **Enter** key

| | | |
|---------------------------|--|--|
| P7-1 | | |
| 1. Select Label or Ticket | | |

Enter number 1 for label printing or 2 for ticket printing and press **Enter** key

For the ticket printing, remove the label bobbin on the cartridge and fit the ticket paper roll

| | | |
|-------------------------|--|----------|
| P7-1 | | 1 |
| 1. Label 2. Ticket | | |

7-2 Setting Label Length

Press **Enter** key

| | | |
|---------------------|--|--|
| P7-2 | | |
| 2. Set Label Length | | |

Enter label length and press **Enter** key
 Available label lengths
 30mm, 35mm, 40mm, 60mm,
 80mm, 100mm

| | | |
|---------------------|--|-----------|
| P7-2 | | 40 |
| 2. Set Label Length | | |

7-3 Setting Label Gap

Press **Enter** key
 Label gap is a clearance of labels,
 a reference value is 20 for a label gap
 2 mm

| | | |
|------------------|--|--|
| P7-3 | | |
| 3. Set Label Gap | | |

Enter gap value of labels and press
Enter key, values 0 ~ 99 are available,

| | | |
|------------------|--|-----------|
| P7-3 | | 20 |
| 3. Set Label Gap | | |

7-4 Select Peel Off Sensor

Peel off sensor detects a label peeled or remained on the peel off bar, after enabling, scale dose not print label to prevent labels jammed
 Press **Enter** key

| | | |
|---------------------------|--|--|
| P7-4 | | |
| 4. Select Peel Off Sensor | | |

Select disable or enable and press
Enter key

| | | |
|------------------------|--|----------|
| P7-4 | | 2 |
| 1. Disable 2.Enable | | |

7-5 Label Feed Adjustment

Adjustment of label end adjusts the attaching surface of the label on the peel off bar properly, a wide surface makes not easy to label taken, a lacked surface gives easy falling down of the label, while adjusting label end, printing position is also adjusted on the label

Press **Enter** key

| | | |
|--------------------------|--|--|
| P7-5 | | |
| 5. Label Feed Adjustment | | |

Enter adjusting value and press **Enter** key, values 0 ~ 99 are available,

| | | |
|--------------------------|--|-----------|
| P7-5 | | 20 |
| 5. Label Feed Adjustment | | |

7-6 Gap Sensor Threshold Level (Manual Setting)

Sensor calibration written in 8-7.Utility Sensor calibration calibrates gap sensor and peel off sensor automatically, but this setting gives a manual calibration by entering threshold level. Prior to setting, the min. & max. levels must be read in 2-6 Self Test / Sensor Test

Press **Enter** key

| | | |
|------------------|--|--|
| P7-6 | | |
| 6. Gap Threshold | | |

Enter threshold level(middle level) and press **Enter** key

| | | |
|------------------|--|------------|
| P7-6 | | 110 |
| 6. Gap Threshold | | |

7-7 Peel Off Sensor Threshold Level (Manual Setting)

Press **Enter** key, Same as 7-6

| | | |
|-----------------------|--|--|
| P7-7 | | |
| 7. Peel Off Threshold | | |

Enter threshold level and press **Enter** key, levels 0 ~ 99 are available,

| | | |
|-----------------------|--|-----------|
| P7-7 | | 83 |
| 7. Peel Off Threshold | | |

7-8 Label Format Setting

Press **Enter** key

| | | |
|-------------------------|--|--|
| P7-8 | | |
| 8. Label Format Setting | | |

Select label format and press **Enter** key, refer to the label formats

| | | |
|------------------------|--|-----------|
| P7-8 | | 40 |
| 8. Select Label Format | | |

7-9 Print Fields

Press **Enter** key

| | | |
|-----------------|--|--|
| P7-9 | | |
| 9. Print Fields | | |

Enter yes(Y) or no(N)

| | | |
|--------------------------|--|--|
| P7-9-1 | | |
| 1. Date: Packed On : [Y] | | |

Enter yes(Y) or no(N)

| | | |
|---------------------------|--|--|
| P7-9-2 | | |
| 2. Date: Shelf Life : [Y] | | |

Enter yes(Y) or no(N)

| | | |
|---------------------|--|--|
| P7-9-3 | | |
| 3. PLU Number : [Y] | | |

After group code is set to Y each group code of PLU is printed individually, group code is set to N a common group code is printed which has been set in 5-2 Select Function / Select group code
Enter yes(Y) or no(N)

| | | |
|---------------------|--|--|
| P7-9-4 | | |
| 4. Group Code : [N] | | |

Enter yes(Y) or no(N)

| | | |
|------------------|--|--|
| P7-9-5 | | |
| 5. Barcode : [Y] | | |

Enter yes(Y) or no(N)

| | | |
|-----------------|--|--|
| P7-9-6 | | |
| 6. Weight : [Y] | | |

Enter yes(Y) or no(N)

| | | |
|---------------------|--|--|
| P7-9-7 | | |
| 7. Unit Price : [Y] | | |

Enter yes(Y) or no(N)

| | | |
|----------------------|--|--|
| P7-9-8 | | |
| 8. Total Price : [Y] | | |

Enter yes(Y) or no(N)

| | | |
|-----------------------------|--|--|
| P7-9-9 | | |
| 9. Date: 4 Digit Year : [N] | | |

Enter number 1 or 2,
 1 ; Printing 1 line of store name
 2 : Printing 2 lines of store name
 0 : No store name

| | | |
|----------------------|--|--|
| P7-9-10 | | |
| 10. Store Name : [2] | | |

Enter 1 or 2

1 : 1 line of commodity name

2 : 2 lines of commodity name

| | | |
|--------------------------|--|--|
| P7-9-11 | | |
| 11. Commodity Name : [1] | | |

Enter yes(Y) or no(N)

Ingredients

| | | |
|----------------------|--|--|
| P7-9-12 | | |
| 12. Ingredient : [N] | | |

Enter yes(Y) or no(N)

| | | |
|-------------------------|--|--|
| P7-9-13 | | |
| 13. Sales Message : [N] | | |

Enter yes(Y) or no(N) (Shop Name)

| | | |
|------------------------------|--|--|
| P7-9-14 | | |
| 14. Head Print(Ticket) : [N] | | |

Enter yes(Y) or no(N)

| | | |
|----------------------------|--|--|
| P7-9-15 | | |
| 15. Scale No(Ticket) : [N] | | |

Enter Yes(Y) or No(N)

| | | |
|--------------------|--|--|
| P7-9-16 | | |
| 16. Operator : [N] | | |

Enter Yes(Y) or No(N)

| | | |
|------------------------|--|--|
| P7-9-17 | | |
| 17. Month String : [N] | | |

Enter Yes(Y) or No(N)

| | | |
|-----------------------|--|--|
| P7-9-18 | | |
| 18. Nutritional : [N] | | |

Enter Yes(Y) or No(N)

| | | |
|-------------------|--|--|
| P7-9-19 | | |
| 19. Cooking : [N] | | |

Enter Yes(Y) or No(N)

| | | |
|--------------------|--|--|
| P7-9-20 | | |
| 20. Print \$: [N] | | |

Enter Yes(Y) or No(N)
Press PRINT Key.

| | | |
|-------------------------|--|--|
| P7-9-21 | | |
| 21. Print SUB & GST [N] | | |

7-10 Select Printing Speed

Press **Enter** key

| | | |
|------------------------|--|--|
| P7-10 | | |
| 10. Select Print Speed | | |

Select printing speed
1 = 60mm/sec, 2 = 80mm/sec
3 = 100 mm/sec and press **Enter** key

| | | |
|--------------------------|--|----------|
| P7-10 | | 3 |
| 1. Low 2. Medium 3. High | | |

7-11 Set Printing Brightness

Enter value between 0 ~ 400 and press **Enter** key, bigger? value has a higher contrast, a value 45 is fixed at high speed

| | | |
|-----------------------------|--|------------|
| P7-11 | | 200 |
| 11. Set Printing Brightness | | |

7-12 Set Print Count

Enter value between 1 ~ 5 and press **Enter** key.

| | | |
|---------------------|--|----------|
| P7-12 | | 1 |
| 12. Set Print Count | | |

7-13 Sensor Setting

Press **Enter** key

| | | |
|--------------------|--|--|
| P7-13 | | |
| 13. Sensor Setting | | |

Select mode.

| | | |
|---|--|----------|
| P7-13 | | 1 |
| 1. Use a GAP sensor 2. Use a PEEL_OFF sensor | | |

press **ESC** key to exit

8) SET: System Settings

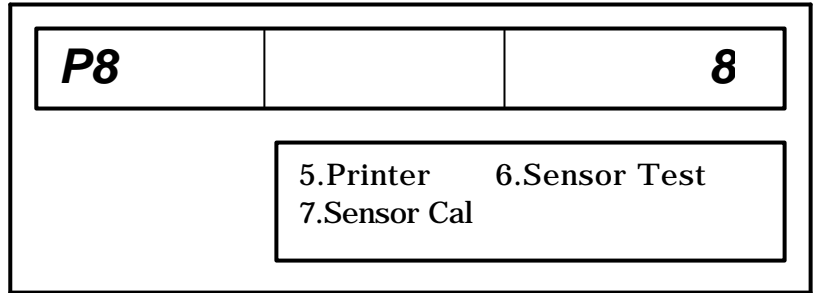
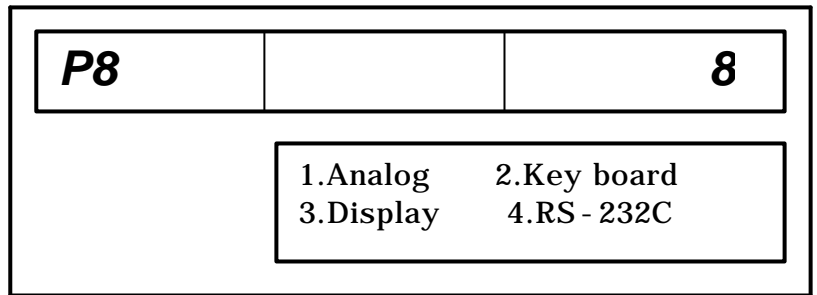
Press **Enter** key

| | | |
|-------------------------|--|--|
| P8 | | |
| 8. SET: System Settings | | |

| | | |
|---|--|----------|
| P8- | | X |
| 1. Self Test 2. Print PLU 3. Trans Data 4. Price Chg | | |

8-1 Self Test

Press ?,? key to switch the menus

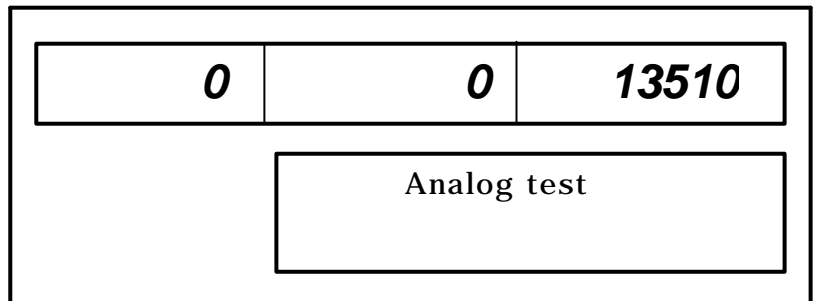


8-1-1 Analog

A/D count is displayed, a calibrated count is displayed on the weight display, a raw count is displayed on the unit price display, zero value is displayed on the price display

In the Analog test, zero value, span value and stability of the A/D converter are tested, the zero value on the price display is recommend 7,000 ~ 20,000 counts, higher or lower counts is a mainly load cell defective, but rarely Analog board on the main board may be affected, when zero count is an out of range of 7,000 ~ 20,000 firstly replace the load cell and then Analog board may be replaced.

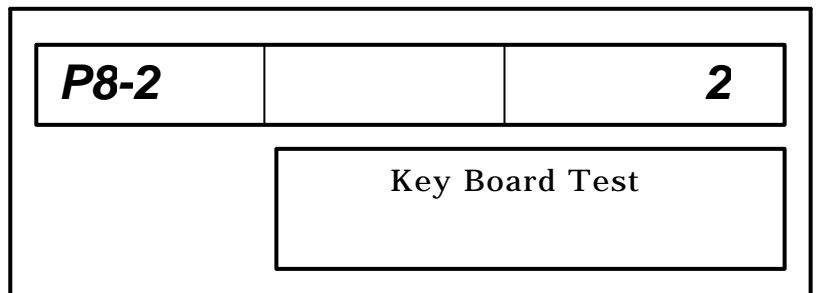
And a stable A/D count is recommended + / ? 2 count at an indicated value as a stable A/D reading, if count is unstable or fluctuated, replace the Analog board first and then load cell.



Press **ESC** key to exit

8-1-2 Key board

Each code of the key matrix is displayed, refer to below table



PLU KEY CODE

| | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 311 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 |
| 312 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 |
| 313 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 |
| 314 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 |
| 315 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 |

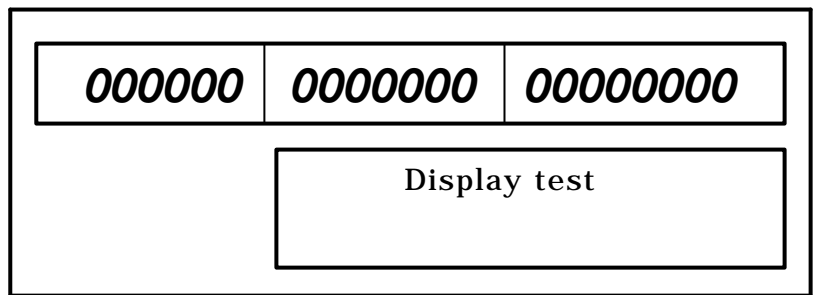
NUMERIC KEY CODE

| | | | | |
|----|----|----|----|----|
| 12 | 13 | 14 | 19 | 23 |
| 7 | 8 | 9 | 18 | 22 |
| 4 | 5 | 6 | 17 | 21 |
| 1 | 2 | 3 | 16 | 20 |
| 0 | 10 | 11 | 15 | |

Press "ESC" key to exit

8-1-3 Display

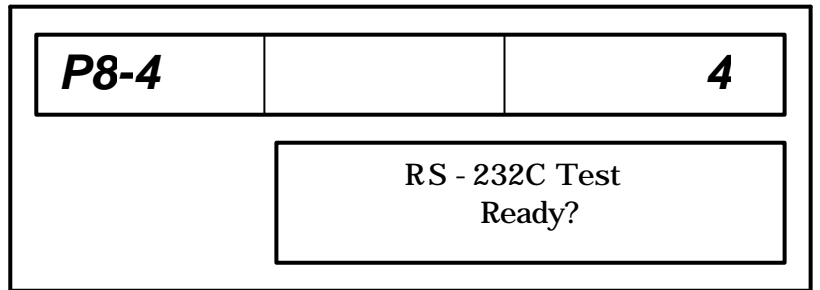
All numeric displays are checked by counting "00000" ~ "99999" continuously,



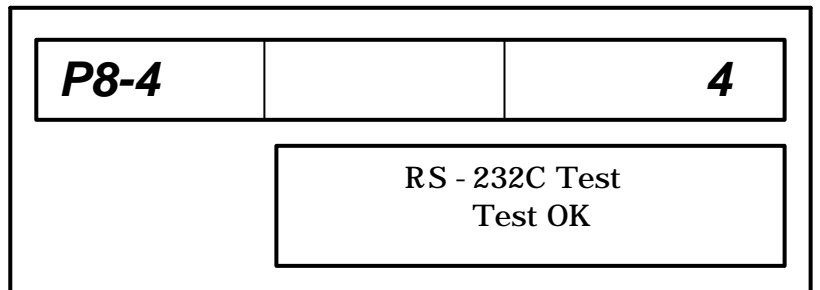
Press "ZERO" key to exit

8-1-4 RS-232C

Connect pin 2 & pin 3 of the RS-232C connector located on the power panel, RS-232C interface circuit of the scale is checked, press "Y" key



"Test OK" is displayed when RS-232C works properly otherwise "Connection Error" is displayed when an error occurred



Press ESC key to exit

8-1-5 Printer

Press **1** for a chess printing and **2** for a continuous printing, in continuous printing pressing “**C**” key stops the printing

| | | |
|--|--|----------|
| P8-5 | | 1 |
| 1.Print Chess 2.Continuous Printing | | |

Press **ESC** key to exit.

8-1-6 Sensor Test

The outputs of the sensors are indicated, peel off sensor indicates a high value when a label blocks the sensor, a low value when no label at the front of the peel off sensor.

Gap sensor indicates a high value when a label with backing paper stand in the gap sensor, a low value is indicated at gap of a labels(between label and label)

Recommended sensor indications

Peel off sensor ; No label -> more than 200 / With label -> less than 70

Gap sensor ; In gap -> less than 60 / Out of gap -> more than 120

| | | |
|---|--|--|
| P8-6 | | |
| Gap Sensor : [050] Peel Off Sensor : [045] | | |

Press **ESC** key to exit

8-1-7 Sensor Cal

The levels of the gap sensor and the peel off sensor are calibrated automatically

Press number **3** key, scale feeds labels and displays medium values

| | | |
|---|--|----------|
| P8-7 | | 7 |
| Gap Sensor : [xxx] Peel Off Sensor : [xxx] | | |

8-1-8 Clear Mode(Not Display)

| | | |
|---|--|----------|
| P8-8 | | 9 |
| 1. Del All 2. Del Sales 3. Del Globals 4. Del Speed key | | |

Press **ESC** key to exit

| | | | | | | |
|---|--------------|----------|-----------|--------------|------------|--------------|
| P8 | | 8 | | | | |
| <table border="1"><tr><td>1. Analog</td><td>2. Key Board</td></tr><tr><td>3. Display</td><td>4. RS - 232C</td></tr></table> | | | 1. Analog | 2. Key Board | 3. Display | 4. RS - 232C |
| 1. Analog | 2. Key Board | | | | | |
| 3. Display | 4. RS - 232C | | | | | |

8-2 Print PLU

PLUs which assigned in starting No to End No are printed
Enter starting PLU No and press **Enter** key

| | | | |
|--|----------|----------|--------------|
| P8-2 | 1 | 0 | |
| <table border="1"><tr><td>Start PLU No</td></tr></table> | | | Start PLU No |
| Start PLU No | | | |

Enter end PLU No and press **Enter** key

| | | | |
|--|----------|----------|------------|
| P8-2 | 1 | 5 | |
| <table border="1"><tr><td>End PLU No</td></tr></table> | | | End PLU No |
| End PLU No | | | |

Press **ESC** key to exit

8-3 Trans data

PLU data of the scale is transfer to the other scale (Scale to Scale)
Connect RS-232C cable between two scales and press **Enter** key to transfer

| | | | |
|---|--|----------|---------------|
| P8-3 | | 3 | |
| <table border="1"><tr><td>Transmit Data</td></tr></table> | | | Transmit Data |
| Transmit Data | | | |

Press **ESC** key to exit

8-4 Price Chg

The NETS can be set up to allow or disallow temporary price change during Sales mode operations.

| | | |
|---------------------------|--|----------|
| P8 | | 0 |
| Change a price(Y(1)/N(0)) | | |

Press **ESC** key to exit

8-6 Memory Size

- Press SET
- Press 8
- Press 6

8-7 Individual PLU Delete

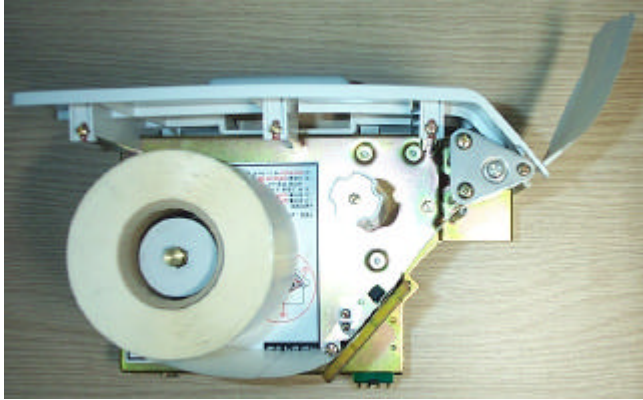
- Press SET
- Press 8
- Press 7
- Enter PLU number to DELETE
- Press PRINT (PLU Deleted)
- Press next PLU or ESC to exit

8-8 Delete All PLU

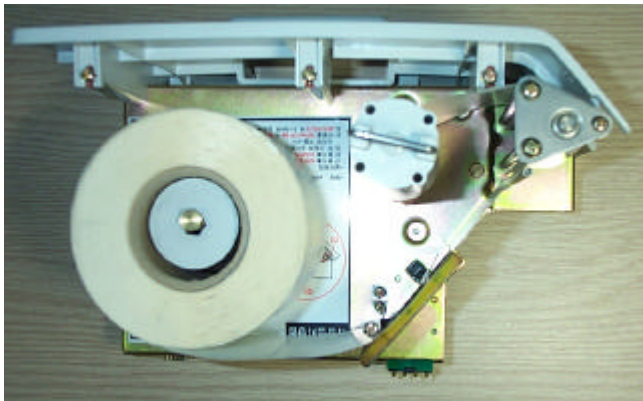
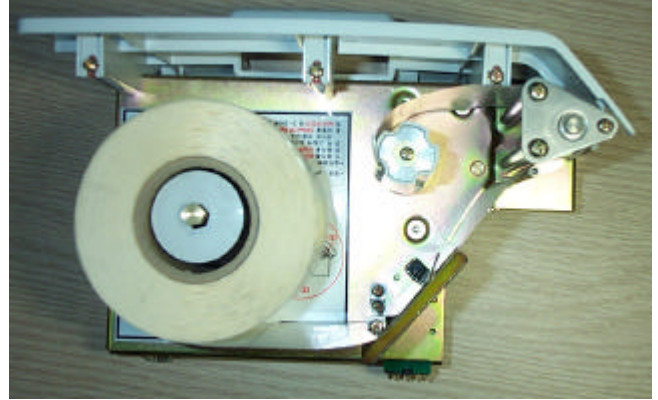
- Press SET
- Press 8
- Press 8
- Press 1 to DELETE

10. THE OTHERS

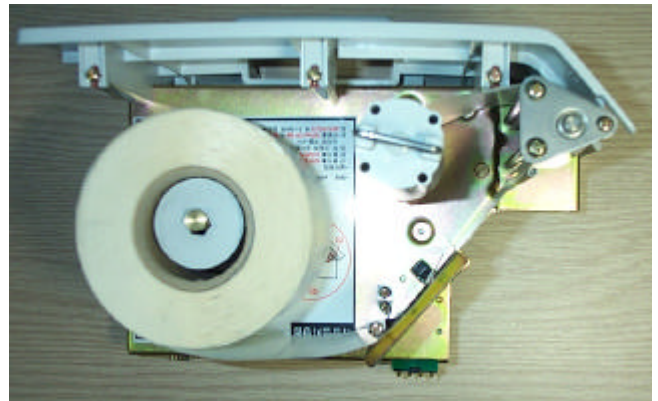
CAHNGEING LABEL ROLL



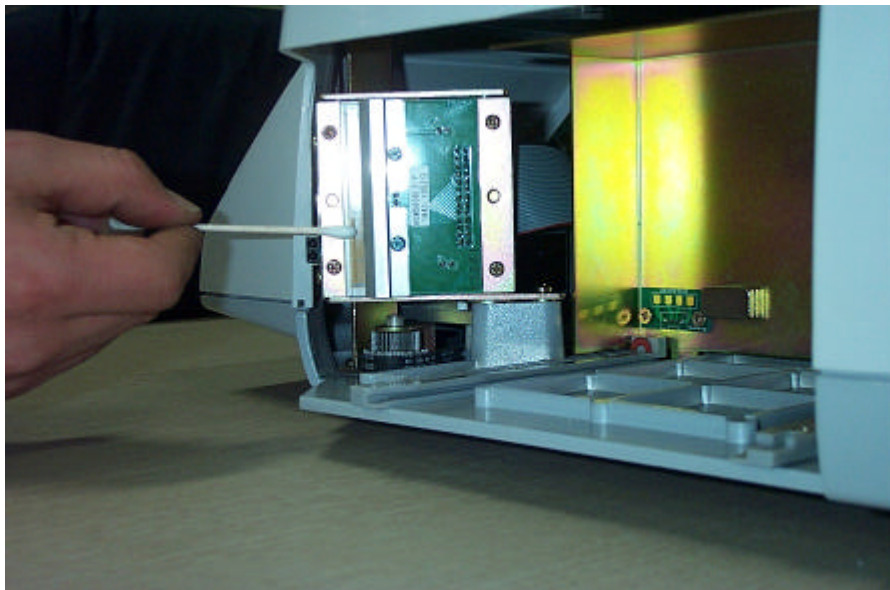
2.



4.

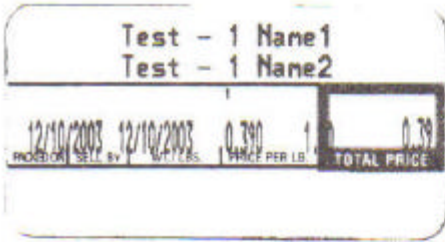


CLEANING THERMAL PRINT HEAD

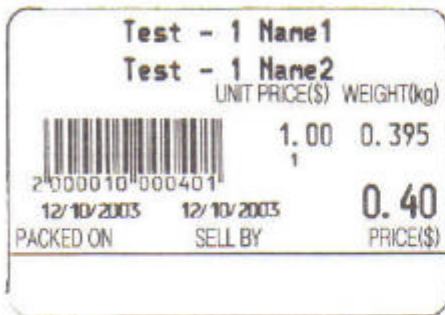


11. SAMPLE LABEL FORMAT

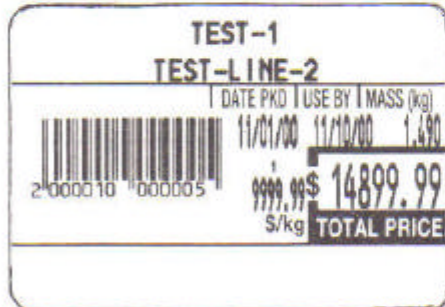
Format number : 30 (H:30mm)



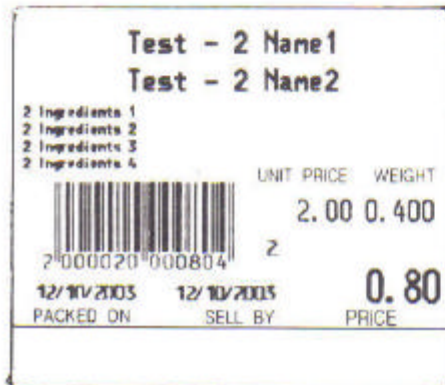
Format number : 1 or 40 (H:40mm)



Format number : 43 (H:40mm)



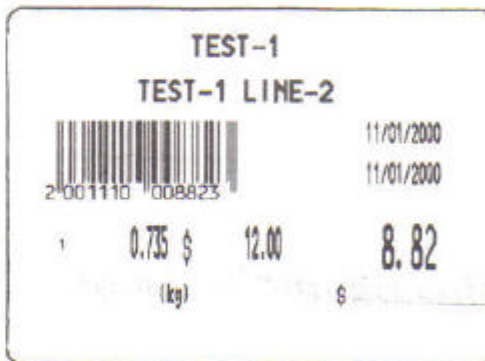
Format number : 50 (H:50mm)



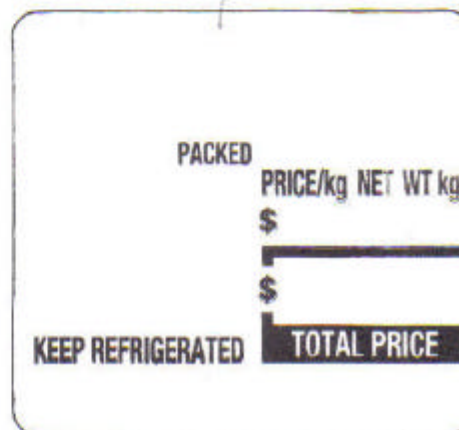
Format number : 52 (H:47mm)



Format number : 53 (H:47mm)



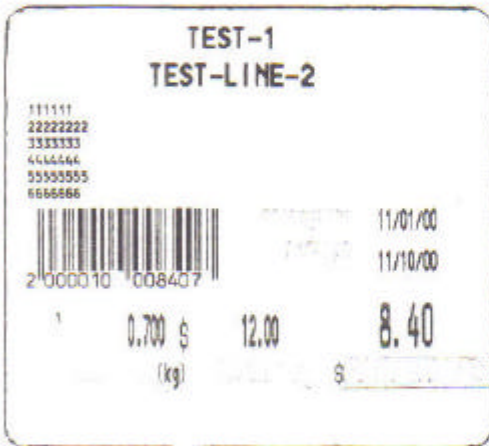
Format number : 54 (H:55mm)



Format number : 63 (H:60mm)



Format number : 64 (H:60mm)



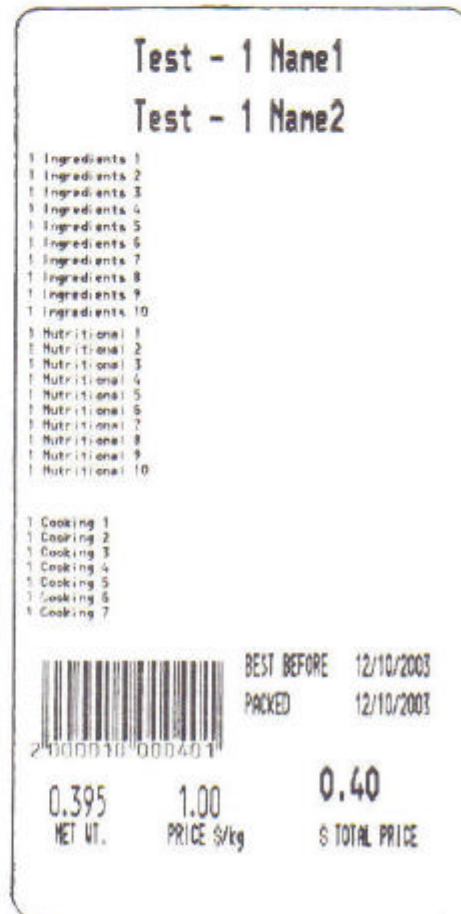
Format number : 70 (H:70mm)



Format number : 81 (H:85mm)



Format number : 95 (H:120mm)



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