RETAIL WEIGHING SOLUTION™

ER PLUS SERIES

Price Computing Scale

CAS

CONTENTS
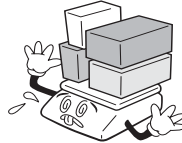
PRECAUTIONS

⚠ Warning

Precautions when installing the scale. To ensure that you get the most from your scale, please follow these instruction.

Do not disassemble the scale.	**Do not overload beyond the maximum weight limit.**	**Scale must be grounded to minimize electricity static.**
When any damage or defect occurs, contact your CAS authorized dealer immediately for proper repair.		This will minimize defect or electric shock.

Do not pull the plug by its cord when unplugging.	**To prevent from fire occurring, Do not place or use the scale near flammable or corrosive gas.**	**To reduce electric shock or incorrect reading, Do not spill water on the scale or place it in humid condition.**
Damaged cord could cause electric shock or fire.		
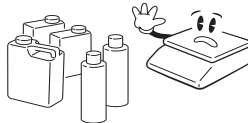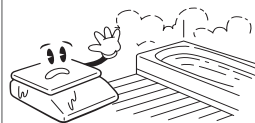
Avoid placing the scale near heater or in direct sunlight.	**Insert plug firmly to wall outlet to prevent electric shock.**	**Use proper Adapter.**
		Incorrect adapter could damage the scale.
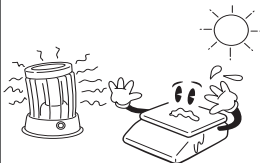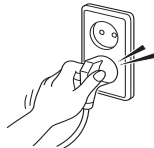
4
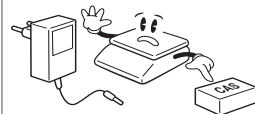
⚠️ Attention

Make sure to plug your scal into the proper power outlet. For maximum performance, plug into a power outlet 30 minutes before the usage for warm up.

For consistent and accurate reading, maintain periodical check by your CAS authorized dealer.	Avoid sudden shock to the scale.	Grab on the bottom of the scale when moving.

Keep the scale away from other electromagnetic enerating devices.	Place the scale on firm and temperature consistent environment.	By adjusting 4 comers of the scale, set the scale even using the built in scale leveling indicator.

This may interfere with accurate reading.

Take the battery out when scale is not in use for long time. Leakage from the batteries is hazardous.

PREFACE

Thank you for the purchasing CAS ER $^{PLUS.}$
This series have been designed with CAS reliability, under rigid quality control and with outstanding performance. Your specialty departments can enjoy with CAS product. We hope that CAS product meets your needs.

The user manual is designed to guide you to understand product operation and proper care of product.

OVERALL VIEW

POLE

PLATTER

DISPLAY

KEYBOARD

<STADARD TYPE>   <POLE TYPE>
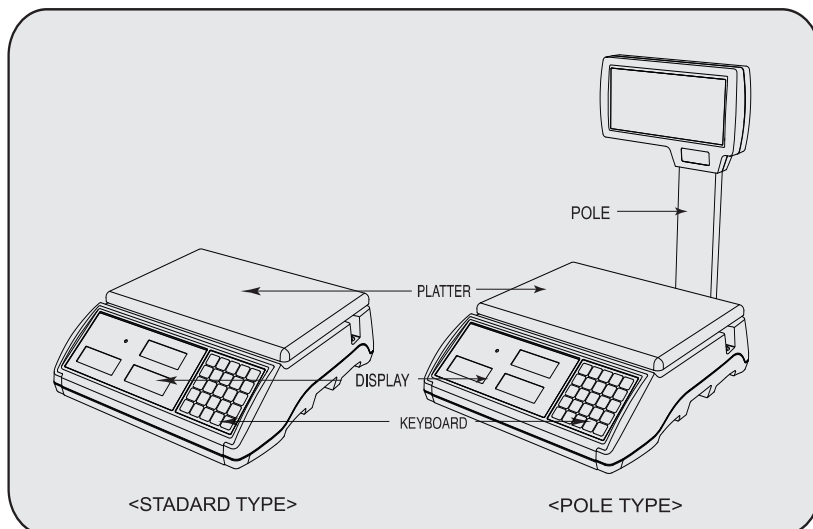
DISPLAY & KEYBOARD

■ LCD TYPE : Front Display
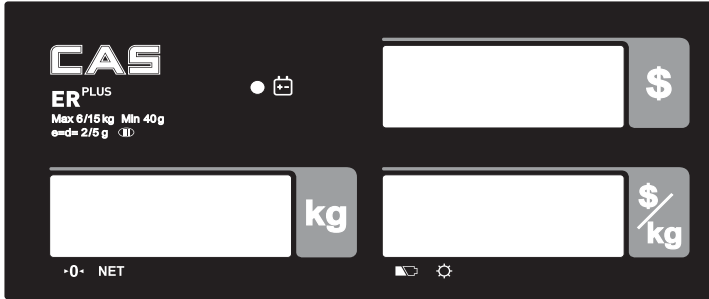
■ LCD TYPE : Rear Display

■ VFD TYPE : Front Display

■ VFD TYPE : Rear Display

■ LED TYPE : Front Display
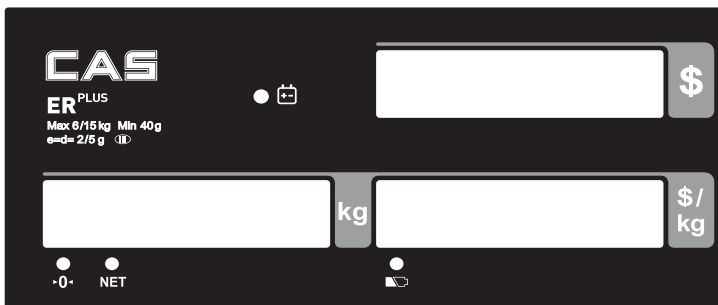
■ LED TYPE : Front Display

Table : Symbols on Display

SYMBOLS	DESCRIPTION
▸0◂ (▼)	To adjust zero
NET (▼)	Tare on
☼ (▼)	Back light on
▬▭ (▼)	Low battery warning
⊞	Charge status

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■ KEYBOARD

Table: Key Functions

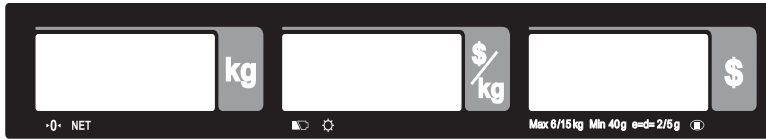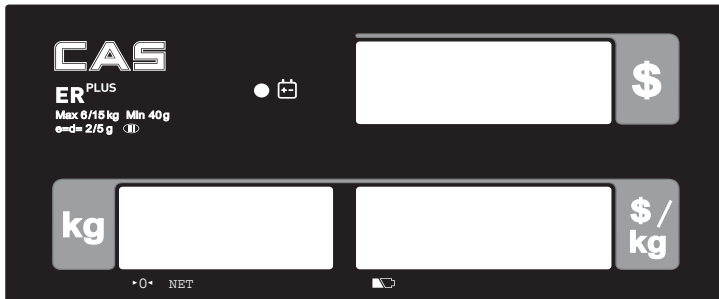| KEYS	FUNCTIONS
0 ~ 9	To input all of numerical data
M1 ~ M5	Direct PLU keys
(save PLU key)	To save PLU
(call up PLU key)	To call up PLU
C	To clear data
·0·	To set zero
·T·	To set or clear tare value
(power key)	To turn on & off the scale
+	To make several sales transaction by adding up
—	To make discount transaction
×	To multiply the same item when making sales transaction
Σ	To check total sales amount or finalize sales transaction

OPERATIONS

I. Programming Mode

Chapter 1. Basic Operation
  a. Turning the scale on / off
  b. Turning backlight on / off(Option in LCD version only)
  c. Zero function
  d. Tare function
    – One Time tare
    – Successive tare
    – Preset tare

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  b. Saving valid date set on PLU(Option)
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  d. Calling up PLU
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  c. Brightness control (Option in LCD version only)
  d. Low battery backlight auto off function
  e. Suspend Mode Function (Only LED version)
  f. Selecting the printer
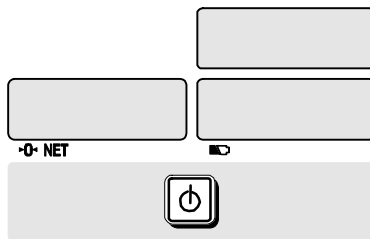
Chapter 4. Formatting Printing Receipt
  a. Setting the Printer
  b. Receipt header setting
  c. Receipt currency (unit) setting
  d. Receipt date setting
  e. Receipt TIME setting

Chapter 1. Basic Operation

a. Turning the scale on / off

```
                    ┌──────────┐
                    │    0.00  │
                    └──────────┘
      ┌──────────┐  ┌──────────┐          ┌──────────┐  ┌──────────┐
      │   0.000  │  │    0.00  │          │          │  │          │
    ▾ └──────────┘  └──────────┘          └──────────┘  └──────────┘
    •0• NET          ▬▭                  •0• NET          ▬▭
      ┌────────────────────────┐          ┌────────────────────────┐
      │          ⏻             │          │          ⏻             │
      └────────────────────────┘          └────────────────────────┘
```
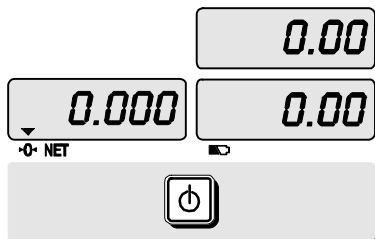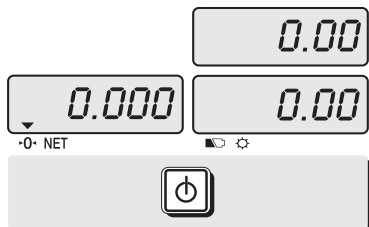
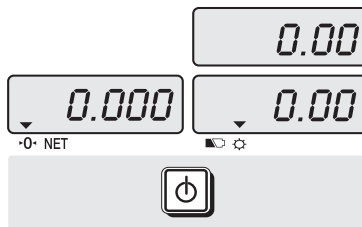① Press **ON/OFF** key to turn on.

② Press **ON/OFF** key to turn off(LED, VFD Version).
Press **ON/OFF** key for a few sconds to turn OFF(LCD Version)

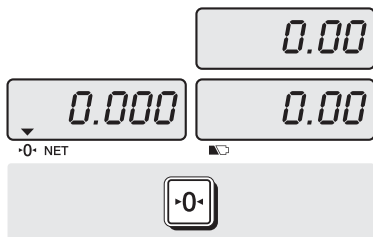## b. Turning backlight on/off(Option in LCD version only)

```
                    ┌──────────┐                              ┌──────────┐
                    │    0.00  │                              │    0.00  │
                    └──────────┘                              └──────────┘
      ┌──────────┐  ┌──────────┐          ┌──────────┐  ┌──────────┐
      │   0.000  │  │    0.00  │          │   0.000  │  │    0.00  │
    ▾ └──────────┘  └──────────┘        ▾ └──────────┘ ▾└──────────┘
    •0• NET          ▬▭ ☼               •0• NET          ▬▭ ☼
      ┌────────────────────────┐          ┌────────────────────────┐
      │          ⏻             │          │          ⏻             │
      └────────────────────────┘          └────────────────────────┘
```

① Press **ON/OFF** key to turn on.

② Press **ON/OFF** key again under the backlight on.

c. Zero function

```
                    ┌──────────┐
                    │    0.00  │
                    └──────────┘
      ┌──────────┐  ┌──────────┐
      │   0.000  │  │    0.00  │
    ▾ └──────────┘  └──────────┘
    •0• NET          ▬▭
      ┌────────────────────────┐
      │        •0•             │
      └────────────────────────┘
```
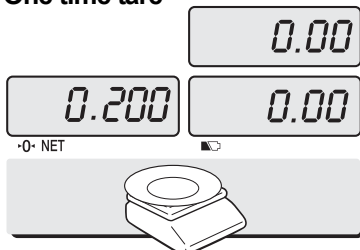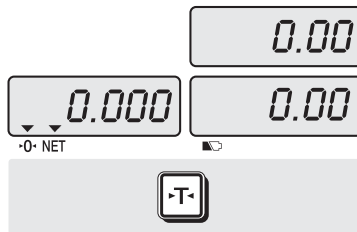
① Press **ZERO** key to set zero point.

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d.Tare function

Tare means the weight of container. You may use tare function when you weigh an item
with container and measure only the weight of item.
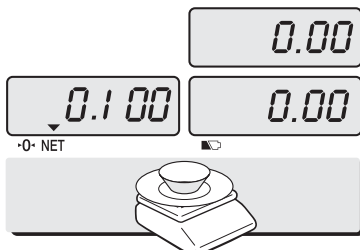
■ One time tare

0.00		0.00
0.200	0.00	0.000	0.00
·0· NET	▧	·0· NET	▧

① Place a container on the platter.
Ex) 200g of tare.

② Press **TARE** key to set zero point.
EX) 200g of tare.

■ Successive tare

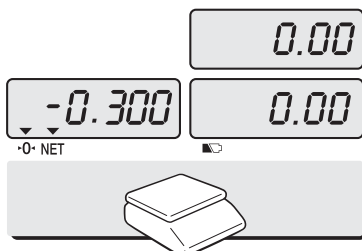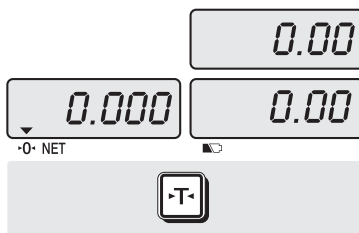| 0.00 | | 0.00 |
| 0.100 | 0.00 | 0.000 | 0.00 |
| ·0· NET | ▧ | ·0· NET | ▧ |

① Place another container on the platter.
Ex) 100g of tare

② Press **TARE** key to set zero point
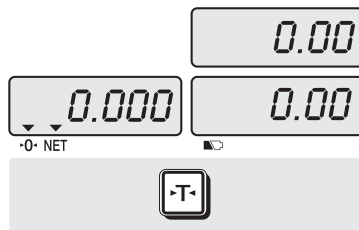
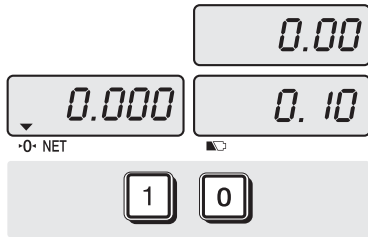| 0.00 | | 0.00 |
| -0.300 | 0.00 | 0.000 | 0.00 |
| ·0· NET | ▧ | ·0· NET | ▧ |

③ After weighing item remove all of the
container from the platter.

④ Press **TARE** key again to set zero.

■ **Preset tare**

```
                    0.00

   0.000      0. 10
 ▼
·0· NET        ▢

   [ 1 ]   [ 0 ]
```

① Press appropriate numeric keys.
Ex) 10g

```
                    0.00

  -0.0 10      0.00
 ▼
·0· NET        ▢

      [·T·]
```
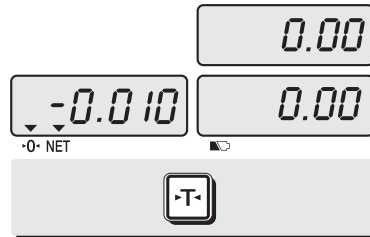
② Press **TARE** key to set tare.

```
                    0.00

   0.000      0.00
 ▼
·0· NET        ▢

      [·T·]
```
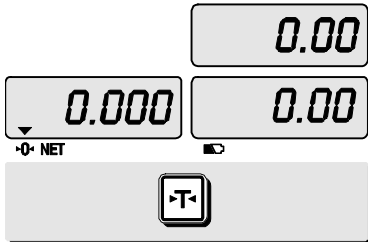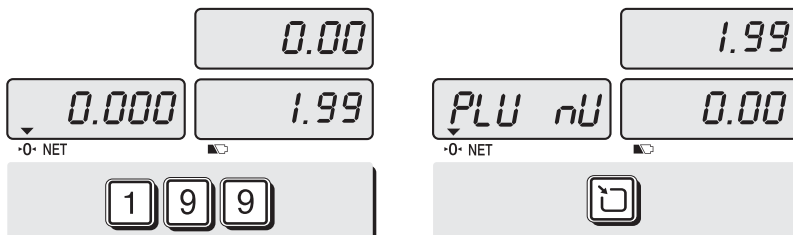
③ Press **TARE** key again to set zero.

Chapter 2. PLU Saving & PLU Calling-up

a. Saving unit price on PLU

This section explains how to save unit price in PLU.

	Number of PLU	**Range**	**Remarks**
PLU Name	200	1~200	

0.00	1.99
0.000 1.99	PLU nU 0.00
·0· NET	·0· NET
[1] [9] [9]	🔲

① Press numeric key to input unit price you wish to have. Ex) 1.99

② Press 🔲 key.

|	
1.99	1.99
PLU nU 10	PLU ud 0
·0· NET	·0· NET
[1] [0]	🔲
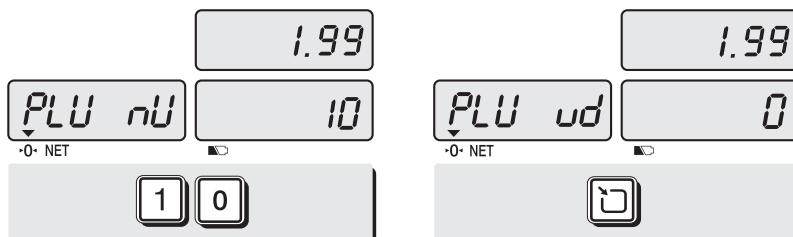
③ Press numeric key to input a PLU address. Ex) PLU 10.
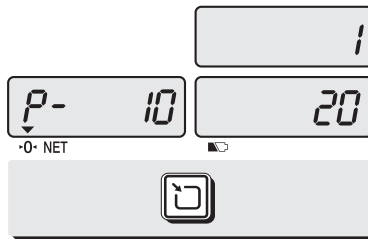
④ Press 🔲 key to save it.

b. Saving valid date set on PLU

This section explains how to save valid date in PLU.
You can input the valid date. Range is 0 ~ 999.

| Valid date	Packed on date	Sell by date	Remarks
0	07.12.11 (Today)	(No print)	
1	07.12.11 (Today)	07.12.11(Today)	
2	07.12.11(Today)	07.12.12(Tomorrow)	
999	07.12.11(Today)	10.09.03(After 998 days)	
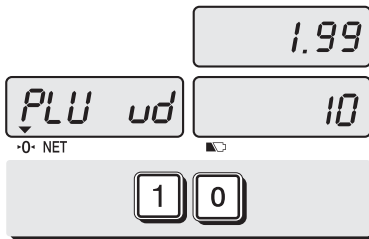
① Press numeric key to input a vaild date
Ex) Sell by 9 days after
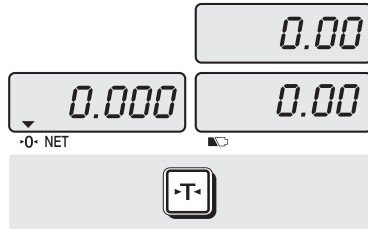
② Press "⟲" key to save it.

c. Saving PLU name

● **C** key is to input, save a character, and move to next character (or byte).
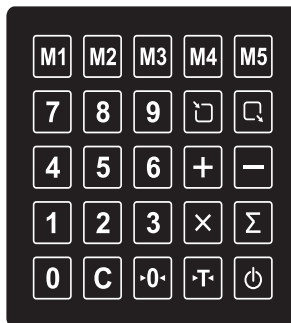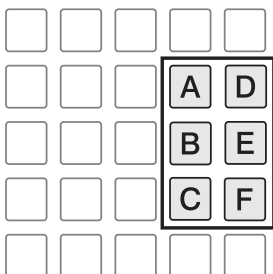● **TARE** key is to move next programming menu.
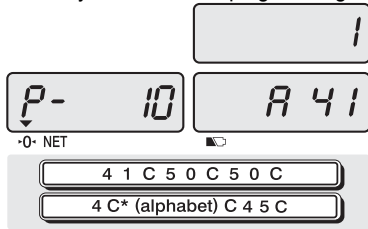
① Input appropriate ASCII codes to save the PLU name. ※ Please refer to the ASCII table on page 42.
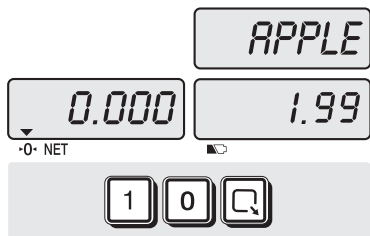Ex) "APPLE" is "4, 1, C, 5, 0, C, 5, 0, C, 4, C(alphabet), C, 4, 5, C"

② Press **TARE** key to exit to normal weighing mode or **C** key up to maximum 16th byte. Then automatically exit to normal weighing mode.

■ Please refer to "Alphabetic key location".

d. Calling up a PLU

■ Indirect PLU

```
              APPLE

   0.000         1.99
 ·0· NET         ▭

      [ 1 ][ 0 ][ Q ]
```

```
               0.00

   0.000        0.00
 ·0· NET        ▭

          [ C ]
```

① To call up indirect PLU saved press appropriate numeric keys (address) and [Q] key
Ex) PLU 10
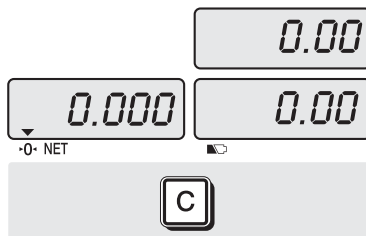
② To go back to nomal weighing mode press **C** key

■ Direct PLU

```
              bAnAnA

   0.000        0.99
 ·0· NET         ▭

         [ M2 ]
```

```
               0.00

   0.000        0.00
 ·0· NET         ▭

          [ C ]
```
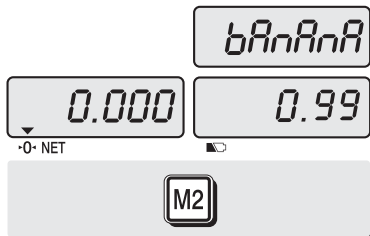
① To call up direct PLU saved just Press appropriate direct PLU key.
Ex) PLU 2
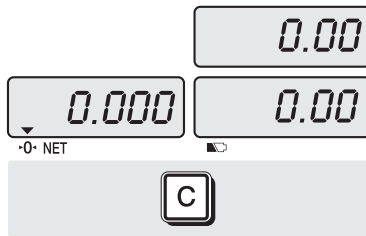
② To go back to nomal weighing mode press **C** key

Chapter 3. User's Set-up Mode

This section explains how to set up the following functions.

Functions	Options	Remarks
1. Auto power-off	NO / 10 / 30 / 60	
2. LCD Backlight On/OFF	OFF / ON / 3 / 5 / 10	When backlight option selected in LCD version only
3. Backlight brightness	1 ~ 7	Default 3
4. Low battery backlight auto off	BL-on / BL-off	
5. Suspend Mode	0 / 20 / 40 / 60	Only LED version
6. Printer selection	NON / DEP-50 /DLP-50	

U-SEt

A-oFF   *no*

·0· NET

[·0·] [⏻]
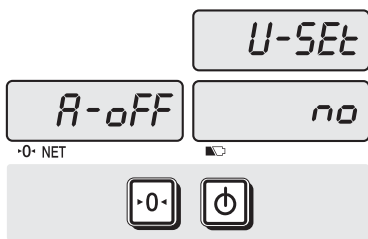
① To get into "User's Set-up Mode"press **ON/OFF** key pressing and holding **ZERO** key.

● Press **ZERO** key to save current option and move to next function setting mode.
● Press **TARE** key to move to other next option.

a. Auto power-off
This section explains how to set backlight on & off function and automatic off function.

Table :

Options	Description	Remarks
NO	No auto power-off.	
10 (minutes)	Auto power-off in 10 minutes when no use.	
30 (minutes)	Auto power-off in 30 minutes when no use.	
60 (minutes)	Auto power-off in 60 minutes when no use.	

$$U\text{-}SEt$$

$$A\text{-}oFF \qquad 30$$

·0· NET

⌊-T-⌋
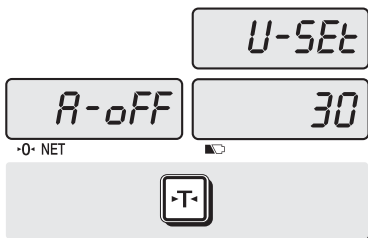
① Select an option you wish to have by using **TARE** key.
Ex) 30 (minuets)
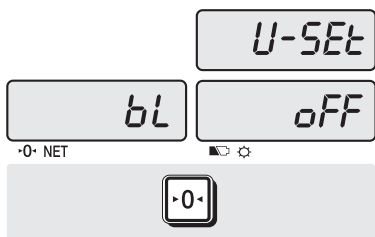
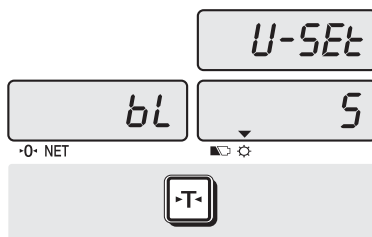## b. LCD backlight ON/OFF function
(Option in LCD version only)
This section explains how to set backlight on & off function and automatic off function.

Table :

Options	Description	Remarks
OFF	Backlight always off	
ON	Backlight always on	
3 (Seconds)	Automatic backlight-off when not in use for 3 seconds.	
5 (Seconds)	Automatic backlight-off when not in use for 5 seconds.	
10 (Seconds)	Automatic backlight-off when not in use for 10 seconds.	

$$U\text{-}SEt$$

$$bL \qquad oFF$$

·0· NET

⌊·0·⌋

① Press **ZERO** key to move next function setting, backlight on/off
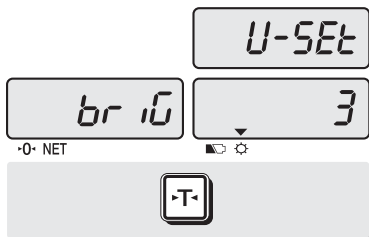
$$U\text{-}SEt$$

$$bL \qquad 5$$

·0· NET

⌊-T-⌋

② Use **TARE** key to select one of backlight auto power-off option or backlight on/off
Ex) Select 5 seconds auto power-off option.

c. Brightness control
(Option in LCD version only)
This section explains how to set brightness level (1~7)

$$U\text{-}SEt$$

$$br\ iG \qquad 3$$

·0· NET

⊡ -T-

① Press **ZERO** key to move next function setting, backlight brightness.

② Press **TARE** key to select brightness. (1~7)

d. Low battery backlight auto off function
(Option in LCD version only)
This section explains how to set backlight auto off. If the scale uses backlight auto off function, it will turn off when low battery indicator occurs.

$$U\text{-}SEt$$

$$Lo\cancel{Y}bt \qquad bL\text{-}on$$

·0· NET

⊡ -0-
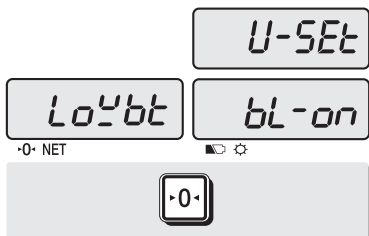
① Press **ZERO** key to move next function setting, low battery backlight auto off.

② Press **TARE** key to select backlight on/off.
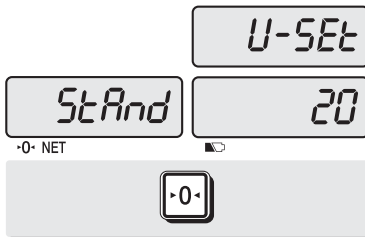
※ ◼▭ **: Low battery condition**

e. Suspend mode function
(Only LED version)
This section explains how to set a time to suspend mode.

Table :

Options	Description	Remarks
OFF	No suspend mode.	
20(seconds)	Suspend mode in 20 seconds when no use.	
40(seconds)	Suspend mode in 40 seconds when no use.	
60(seconds)	Suspend mode in 60 seconds when no use.	**Default**

U-$5Et$

$5t$$Rnd$ 20

·0· NET

$·0·$

① Press **ZERO** key to move next function
setting, suspend mode.

② Press **TARE** key to select a time to suspend
mode.

f. Selecting the printer
This section explains how to select the printer option when you'd like to use the printer connected to
ER $^{PLUS.}$

Table :

Options	Description	Remarks
NON	No printer in use	
DEP-50	DEP-50 printer interface	
DLP-50	DLP-50 printer interface	

U-$5Et$

Pr int dEP-50

·0· NET

$·T·$
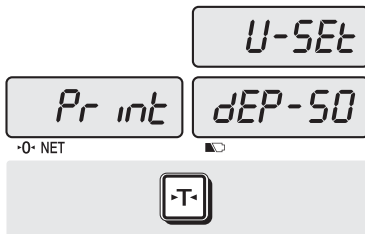
① Press **ZERO** key to move next function
setting, selecting the printer

② Select the printer you're using with ER ^{PLUS}
by Pressing **TARE** key.
Ex) DEP- 50

Chapter 4. Formatting printing receipt

This chapter explains how to set the receipt format in the following fields.

| Options	Description	Remarks
HEADER	To input characters you wish to have on the receipt header.	Maximum **1,2 line / 24 characters, 3 line / 16 characters** for each line
UNIT (Currency)	To input currency symbol or characters you wish to have on the receipt.	Maximum 8 characters
DATE	To input date on the receipt.	

a. Setting the printer

Please connect your printer to RS-232 port, which is located at the gray part on the picture, using RS-232 Cable.
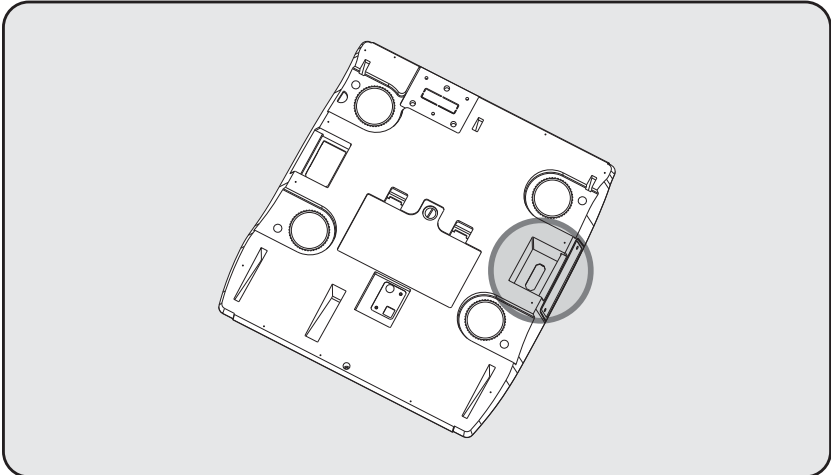
b. Receipt header setting

| Options	Description	Remarks
HEADER	To input characters you wish to have on the receipt header.	Maximum **1,2 line / 24 characters, 3 line / 16 characters** for each line

● User may input the name of store, telephone number, or other expressions he/she wishes to have on the receipt.
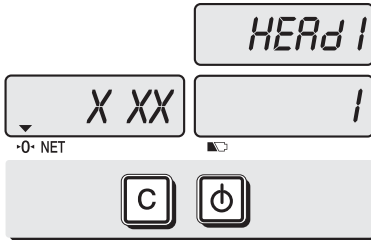
① Pressing and holding **C** key, press **ON/OFF** key under the scale power off. "1" on the "Unit Price" display represents that you are ready to input the first character.
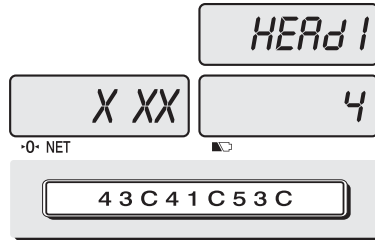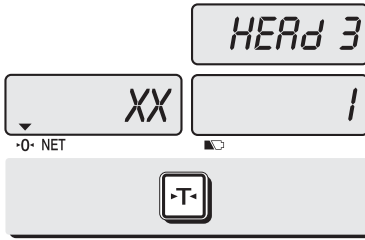
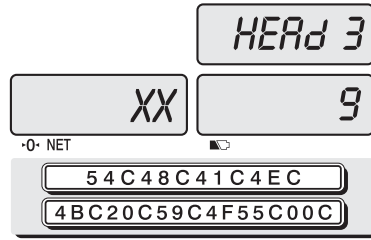② Input appropriate ASCII codes (page on 42)you wish to have. Ex) CAS.
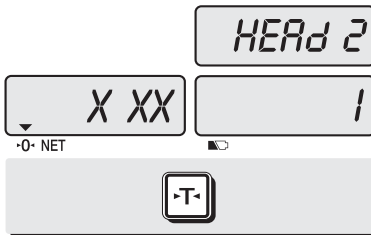
③ To save it and go next header line press **TARE** key.
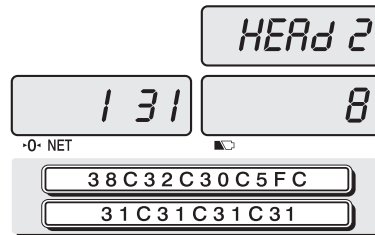
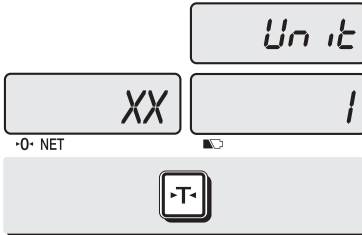④ Using ASCII code you can input appropriate data on Header 2. Ex) 820-1111, telephone #.

```
 ┌──────────────┐            ┌──────────────┐
 │   HEAd 3     │            │   HEAd 3     │
 └──────────────┘            └──────────────┘
 ┌────────┬─────────┐        ┌────────┬─────────┐
 │   XX   │    1    │        │   XX   │    9    │
 └────────┴─────────┘        └────────┴─────────┘
  ·0· NET                     ·0· NET
                             ┌────────────────────┐
        ┌─────┐              │ 5 4 C 4 8 C 4 1 C 4 E C │
        │ ►T◄ │              ├────────────────────┤
        └─────┘              │ 4 B C 2 0 C 5 9 C 4 F 5 5 C 0 0 C │
                             └────────────────────┘
```

⑤ To save it and go next header line press **TARE** key.

⑥ Using ASCII code you can input appropriate data on Header 2.
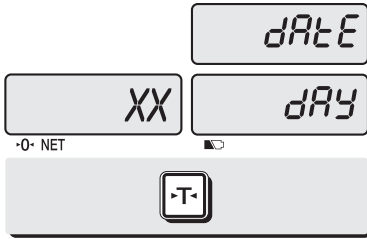Ex) THANK YOU

c. Receipt currency (unit) setting

```
 ┌──────────────┐            ┌──────────────┐
 │    Un it     │            │    Un it     │
 └──────────────┘            └──────────────┘
 ┌────────┬─────────┐        ┌────────┬─────────┐
 │   XX   │    1    │        │   24   │    1    │
 └────────┴─────────┘        └────────┴─────────┘
  ·0· NET                     ·0· NET
                             ┌───┐   ┌───┐
        ┌─────┐              │ 2 │   │ 4 │
        │ ►T◄ │              └───┘   └───┘
        └─────┘
```

① Initial currency (unit) display status.
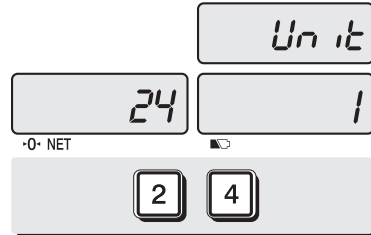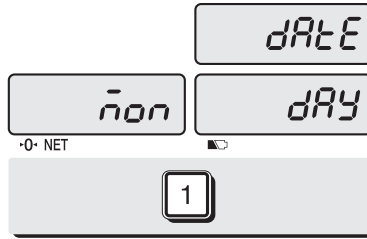
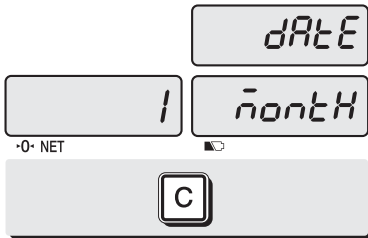② Using ASCII code you can input appropriate character or currency symbols on unit.
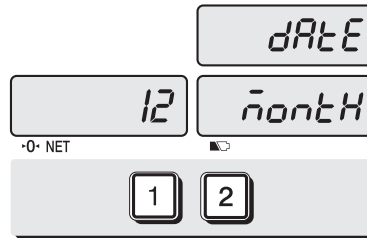Ex) $

24

d. Receipt DATE setting


```
                    dAtE
        XX          dAY
 ·0· NET         ◼▭
        ┌──────┐
        │ ·T· │
        └──────┘
```

① To save it and go to "Initial DATE display" status press **TARE** key.

```
                    dAtE
        ̄non         dAY
 ·0· NET         ◼▭
        ┌───┐
        │ 1 │
        └───┘
```

② Just input appropriate weekday you wish to have, using numeric key.
Ex) 1(Monday) ~ 7(Sunday)

```
                    dAtE
         I          ̄nontH
 ·0· NET         ◼▭
        ┌───┐
        │ C │
        └───┘
```

③ Press **C** key to go to next "Month" setting.

```
                    dAtE
        I2          ̄nontH
 ·0· NET         ◼▭
      ┌───┐ ┌───┐
      │ 1 │ │ 2 │
      └───┘ └───┘
```

④ Just input appropriate month you wish to have, not using ASCII code.
Ex) 12 (December)

```
                    dAtE
        XX          dAtE
 ·0· NET         ◼▭
        ┌───┐
        │ C │
        └───┘
```
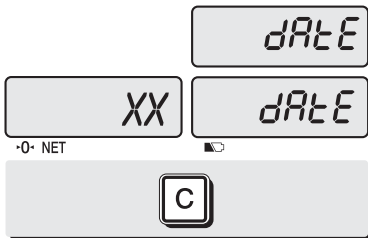
⑤ Press **C** key to go to next "Date" setting.

```
                    dAtE
        I2          dAtE
 ·0· NET         ◼▭
      ┌───┐ ┌───┐
      │ 1 │ │ 2 │
      └───┘ └───┘
```
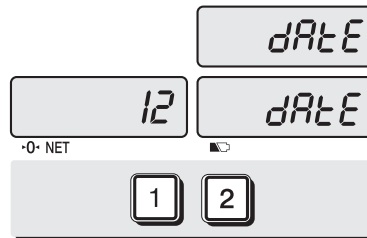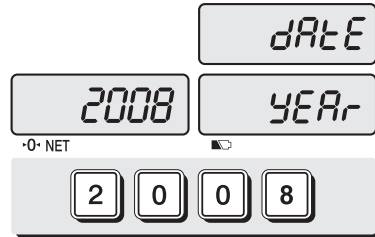
⑥ Just input appropriate date you wish to have, not using ASCII code.
Ex) 12th day

```
                                    dAtE
              XX        YEAr
        ·O· NET              ▭
                        C
```
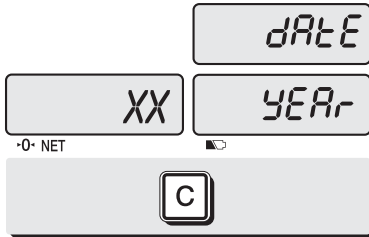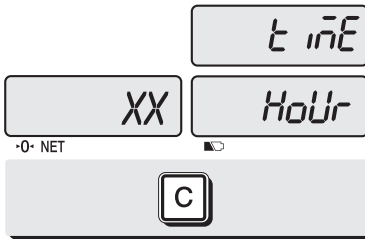
⑦ Press **C** key to go to next "Year" setting.

```
                                    dAtE
              2008      YEAr
        ·O· NET              ▭
              2    0    0    8
```
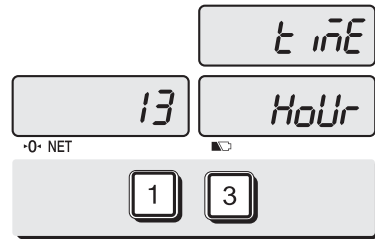
⑧ Just input appropriate year you wish to have, not using ASCII code.
Ex) Year 2008

e. Receipt TIME setting

```
                                    t ɪɴE
              XX        HoUr
        ·O· NET              ▭
                        C
```
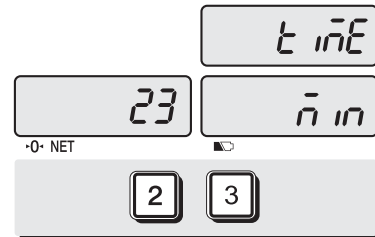
① Press **C** key to go to next "Hour" setting.

```
                                    t ɪɴE
              13        HoUr
        ·O· NET              ▭
              1         3
```
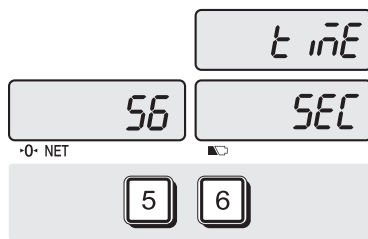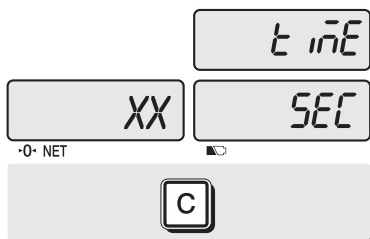
② Just input appropriate time you wish to have, not using ASCII code.
Ex) Hour 13 (PM 1:00)

```
                                    t ɪɴE
              XX        ɴ ɪn
        ·O· NET              ▭
                        C
```
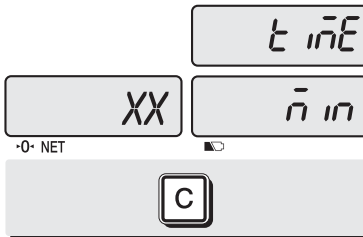
③ Press **C** key to go to next "Minute" setting.

```
                                    t ɪɴE
              23        ɴ ɪn
        ·O· NET              ▭
              2         3
```

④ Just input appropriate minute you wish to have, not using ASCII code.
Ex) Minute 23

```
t iɾE
    XX          SEC
·0· NET          ▬▭

        C
```

```
t iɾE
    56          SEC
·0· NET          ▬▭

    5     6
```

⑤ Press **C** key to go to next "Second" setting.

⑥ Just input appropriate second you wish to have, not using ASCII code.
Ex) Second 56

● If you press **C** or **T(TARE)** key you cas automatically go to nomal weighing mode.

II. Sales Mode

Chapter 5. Sales Transaction

      a.   Sales with free price (hand pricing)
      b.   Sales using PLU
            -   direct PLU
            -   indirect PLU
      c.   Adding up several sales for weighed items
      d.   Adding up several sales transactions for non-weighed items
          (Fixed Price Added)
      e.   Multiplying the same item sales
      f.   Calling up or deleting total amount
      g.   Cancel

Chapter 6. Discount & Payment

      a.   Discount on total sales amount
      b.   Payment funtion on total sales amount

Chapter 7. Daily Total Sales

      a.   Calling up daily total sales data
      b.   Deleting daily total sales data

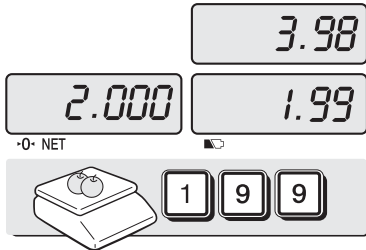## Chapter 8. EURO Setting Method (Option)

      a.   Saving Euro rate
      b.   Switching Currency

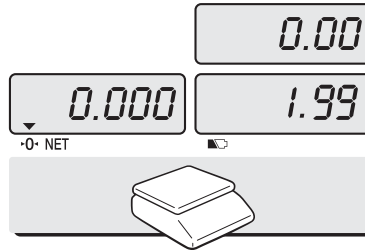# Chapter 5. Sales Transaction

ER ^{PLUS} may make sales transaction either with free price or with PLU.

a.Sales with free price (hand pricing)

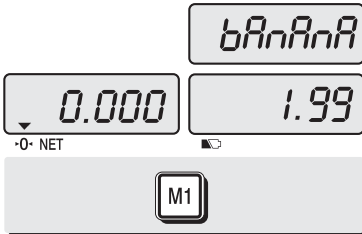This section explains how to make sales transaction with free price (hand pricing).

```
        3.98                           0.00
2.000   1.99              0.000        1.99
·0· NET                   ·0· NET
```


① Place an item on the platter and press appropriate numeric keys to input unit price.
Ex) 1.99 for unit price.

② Remove the item from the platter.
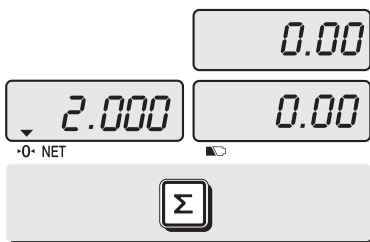
b.Sales using PLU (Price Look-Up)

■ Direct PLU

```
        bAnAnA                          3.98
0.000   1.99              2.000         1.99
·0· NET                   ·0· NET
   M1
```

① Call up a direct PLU.
Ex) "M1"
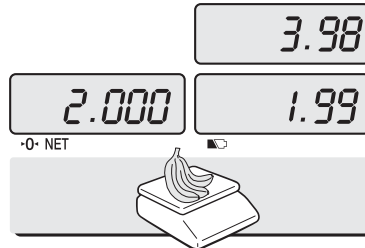
② Place an item on the platter.

```
      0.00

  2.000        0.00
 ·0· NET

        [Σ]
```
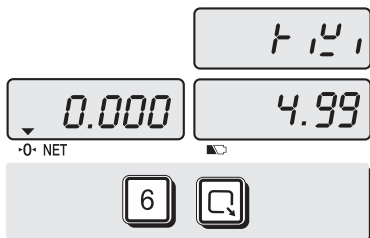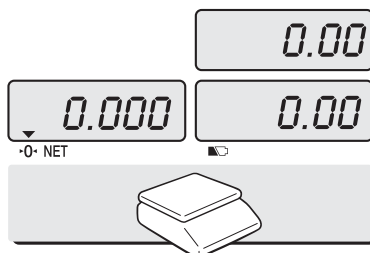
③ If you press ∑ key add this transaction to daily total amount and number of sales data, unit-price & total-price window is clear. ※ if the scale is connected printer, sale transaction data will printed out.
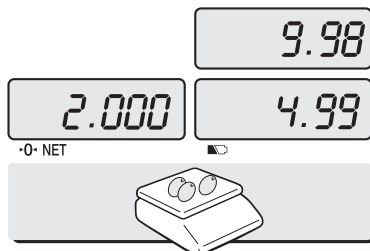
```
      0.00

  0.000        0.00
 ·0· NET
```
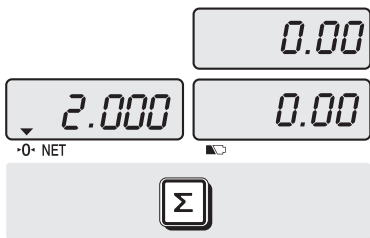
④ Remove the item from the platter.

■ Indirect PLU

```
      ⊦ ı￢ ı

  0.000        4.99
 ·0· NET

     [6]  [⟲]
```

① Call up an indirect PLU.
Ex) "PLU 6 for Kiwi"

```
      9.98

  2.000        4.99
 ·0· NET
```

② Place an item on the platter.

```
      0.00

  2.000        0.00
 ·0· NET

        [Σ]
```
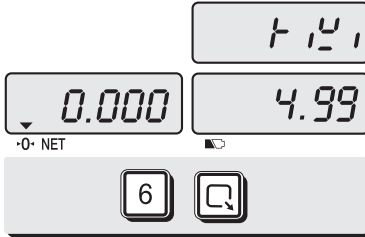
③ If you press ∑ key add this transaction to daily total amount and number of sales data, unit-price & total-price window is clear. ※ if the scale is connected printer, sale transaction data will printed out.
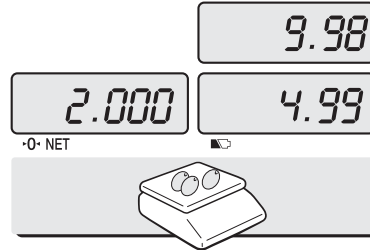
```
      0.00

  0.000        0.00
 ·0· NET
```
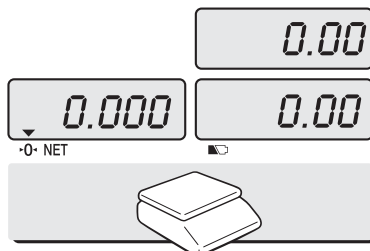
④ Remove the item from the platter.

c. Adding up several sales transactions for weighed items

● Use + key to makes the adding-up transactions.
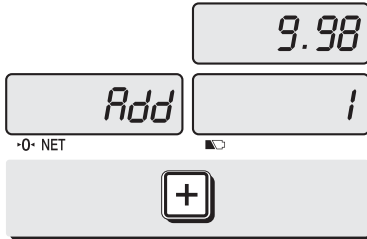● You may either call up PLU or just input the unit price.

$\vdash$ $\mid$ $\square$ $\mid$

0.000	4.99
·0· NET	

| 6 | $\boxed{\square}$ |

① Call up an indirect PLU.
Ex) "PLU 6 for Kiwi"

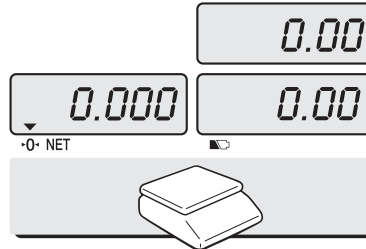| 9.98 |
| :---: |

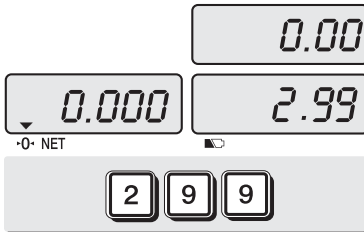| 2.000	4.99
·0· NET	

② Place an item on the platter.

● If you press "∑" key after 2nd step the scale is automatically going to normal
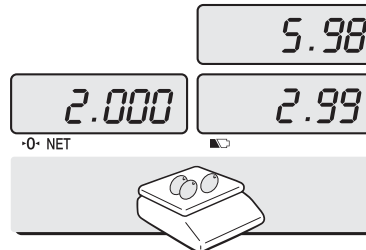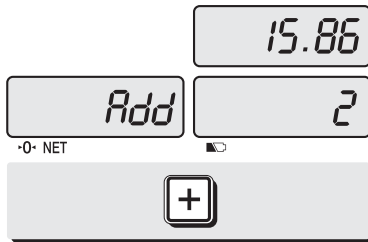weighing mode and add this transaction to daily total amount and number of sales data.

9.98

Add	1
·0· NET	

| + |

③ Press + key.

0.00

0.000	0.00
·0· NET	

④ Remove the item from the platter.

0.00

0.000	2.99
·0· NET	

| 2 | 9 | 9 |

⑤ Input a unit price
EX) 2.99 for Honey melon

5.98

2.000	2.99
·0· NET	

⑥ Place an item on the platter.

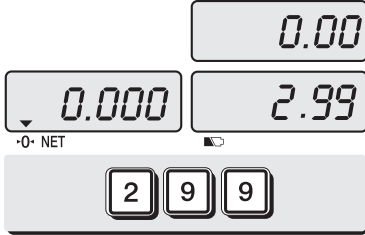|	
`15.86`	`0.00`
`Add` `2`	`0.000` `0.00`

·0· NET   ▭   ·0· NET   ▭

⑦ Press **+** key. "Total Price" display says
total price added, and "Unit Price" display says the
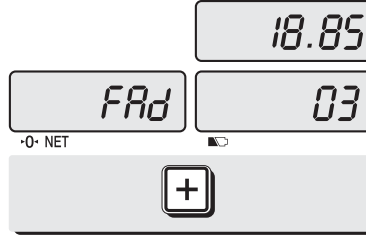number of sales transactions added.
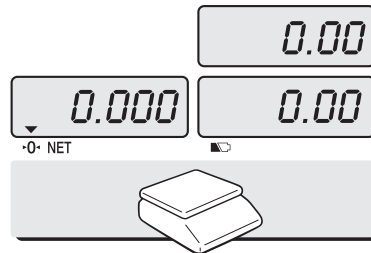
⑧ Remove the item from the platter.

● You may also place the item on the platter first and then input unit price in the scale later.
● You may add sales transactions up to 1000 time and total amount of sales up to 999,999.
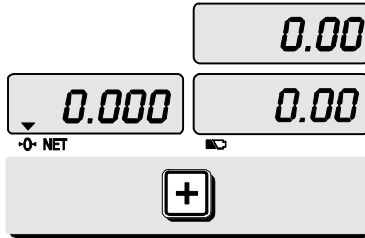
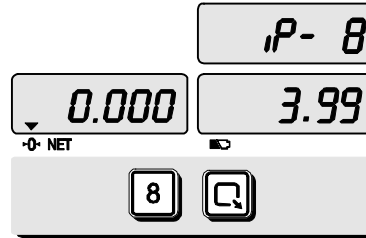## d. Adding up several sales transactions for non-weighed items (Fixed price added)

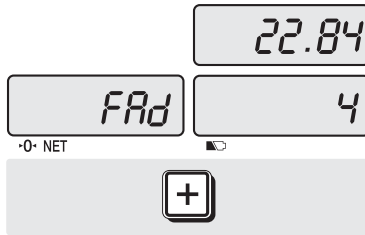|	
0.00	18.85
0.000 2.99	FAd 03
·0· NET	·0· NET
[2] [9] [9]	[+]

① Input a unit price

② Press **+** key.

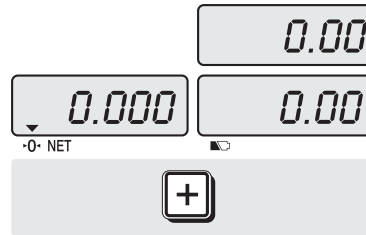|	
0.00	iP- 8
0.000 0.00	0.000 3.99
·0· NET	·0· NET
[+]	[8] [🔍]

③ Press **+** key to go to normal weighing mode.

④ Call up another PLU.
Ex)PLU#8 which unit price is 3.99 for "Garlic bread".

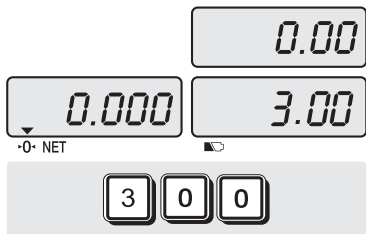|	
22.84	0.00
FAd 4	0.000 0.00
·0· NET	·0· NET
[+]	[+]

⑤ Press **+** key

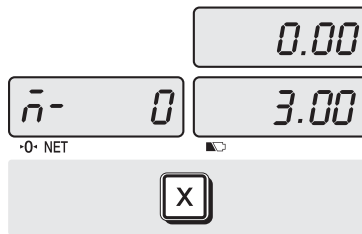⑥ Press **+** key to go to normal weighing mode.

● Please refer to "Chapter 7. Daily Total Sales Amount" for calling up or deleting the daily total.
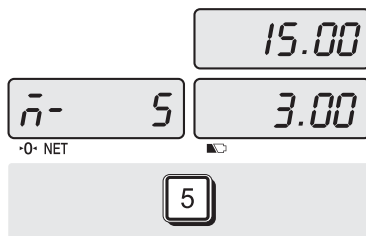
e. Multiplying the same item sales

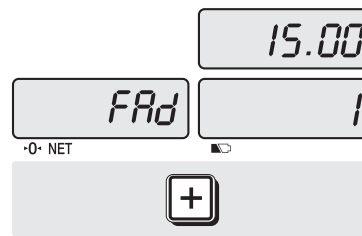● You may either call up PLU or input unit price into the scale.

```
                    0.00                                    0.00

     0.000          3.00           ñ-        0          3.00
  ·0· NET               ▣               ·0· NET              ▣

      3    0    0                                 X
```

① Input a unit price   ② Press **X** key.
Ex) 3.00 for "Canned Soup"

```
                   15.00                                  15.00

     ñ-      5      3.00              FAd                     1
  ·0· NET               ▣               ·0· NET              ▣

             5                                    +
```
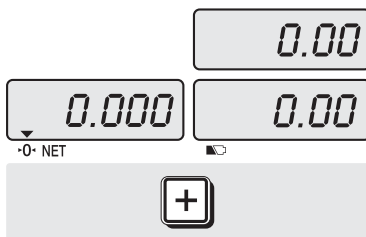
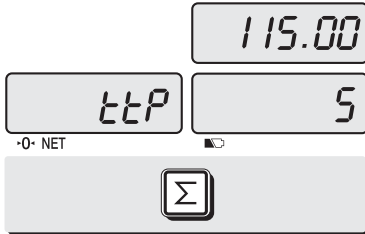③ Press appropriate numeric key to input the   ④ Press **+** key.
number of items.

● You may cancel previous number of item input by pressing **C** key and retry it.
● You may go back to normal weighing mode by pressing **C** key when "Unit Price" display shows "0".

```
                    0.00

     0.000          0.00
  ·0· NET               ▣

             +
```

⑤ Press **+** key to go to normal weighing
mode.

f. Calling up or deleting total amount

■ When you just check total amount.

```
                           115.00                              0.00
            ttP            5            0.000        0.00
•0• NET                           •0• NET
            ┌───┐                            ┌───┐
            │ Σ │                            │ + │
            └───┘                            └───┘
```
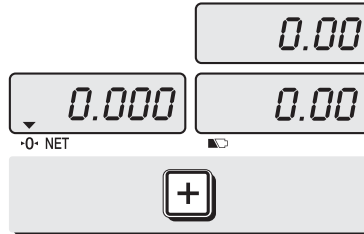
① Press ∑ key just to check total amount.
Ex) Total amount=115.00,
Total number of transaction= 5.

② Press **+** key to go to normal weighing mode.

● The scale beeps when there is no adding-up transaction.

■ When you delete total amount.

```
                           115.00                              0.00
            ttP            05            0.000        0.00
•0• NET                           •0• NET
            ┌───┐                            ┌───┐
            │ Σ │                            │ C │
            └───┘                            └───┘
```
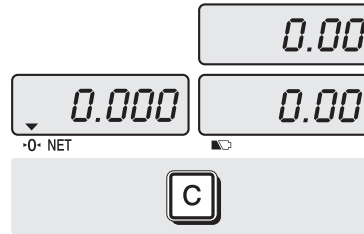
① Press "∑" key just to check total amount.
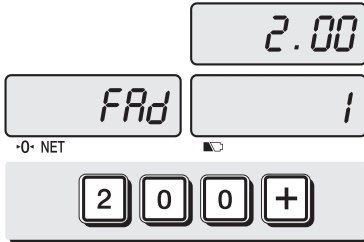Ex) Total amount=115.00,
Total number of transaction= 5.

② Press **C** key to delete total amount.
However, this total amount is still saved
on daily total sales amount.

g. Cancel

■ When user makes more than two sales transactions he/she can cancel previous mistake transaction(s) of them by doing "Cancel" function.
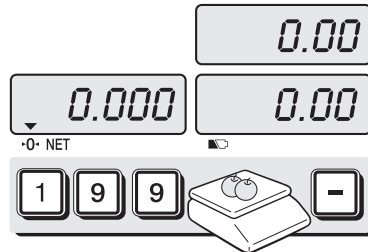


```
         2.00
   FAd        1
  ·0· NET
   [2] [0] [0] [+]
```

① Press numeric keys to input a unit price.
Ex) Item's unit price=2.00


```
         0.00
   0.000      1.99
  ·0· NET
   [+] [1] [9] [9]
```
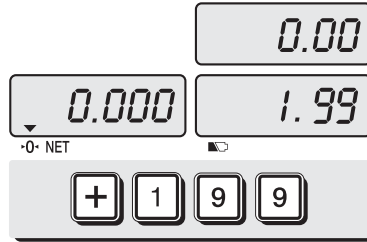
② Press + key and appropriate numeric keys to
   make next another sales transaction.
Ex) unit price = 1.99, 1kg


```
         0.00
   0.000       0.00
  ·0· NET
```
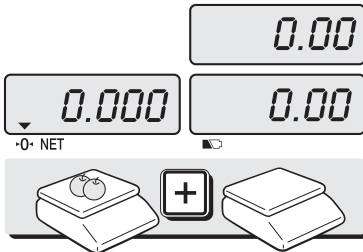
③ Place item on the platter and do + function.
Ex) unit price=1.99, 1kg
  Remove it from the platter.


```
         0.00
   0.000       0.00
  ·0· NET
   [1] [9] [9]
```
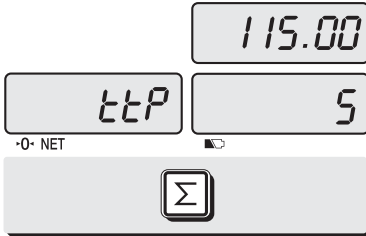
④ To cancel previous transaction input the
   same unit price and place the same item
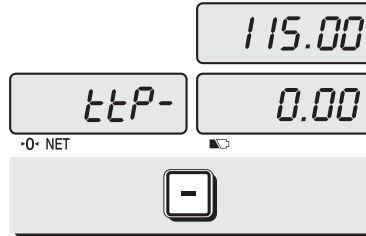
on the platter. Then, press - key.

● Remove the item from the platter. For sure user may check total number of a series of transactions after
  canceling previous one by pressing ∑ key to call up "ttP(Total Price)".
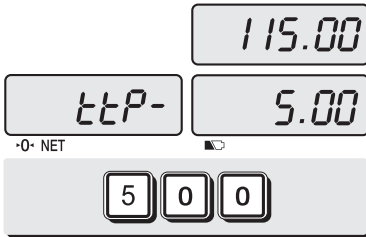
Chapter 6. Discount & Payment
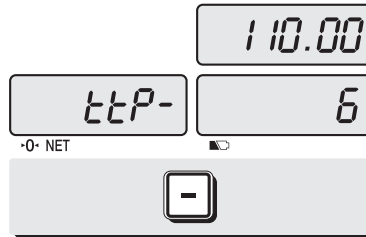
a. Discount on total sales amount

```
                                              115.00
        ttP            5

·0· NET                  🔲

             [ Σ ]
```

① Press ∑ key just to check total amount.
Ex) Total amount=115.00,
Total number of transaction= 5.

```
                                              115.00
        ttP-         0.00

·0· NET                  🔲

             [ − ]
```
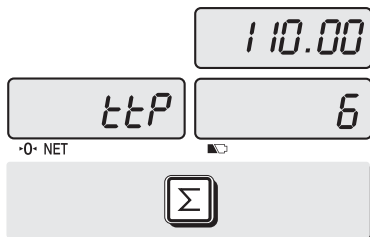
② Press ▬ key.

```
                                              115.00
        ttP-         5.00

·0· NET                  🔲

      [ 5 ] [ 0 ] [ 0 ]
```

③ Press appropriate numeric keys to input
the amount of discount.

```
                                              110.00
        ttP-            6

·0· NET                  🔲

             [ − ]
```
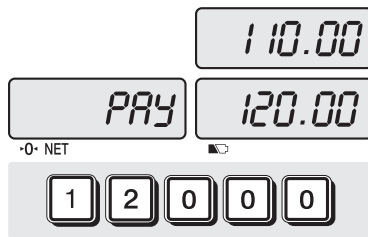
④ Press ▬ key.

● Press ∑ key to finalize these transactions. "Payment" function will be followed.

b. Payment function on total sales amount

```
                    1 10.00
      ttP              6
 ·0· NET            ▭

        ∑
```
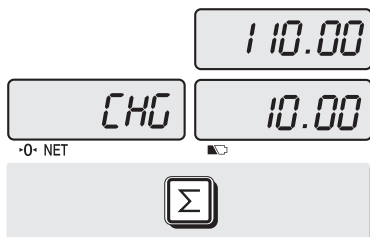
① Press ∑ key to call up total price.

```
                    1 10.00
      PAY           120.00
 ·0· NET            ▭

    1    2    0    0    0
```
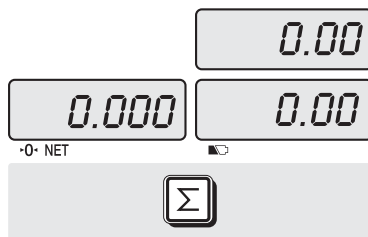
② Press appropriate numeric keys to make
payment.
Ex) 120.00 payment

● In the case of no change needed then, just press ∑ key to finalize the sales transactions. However, in
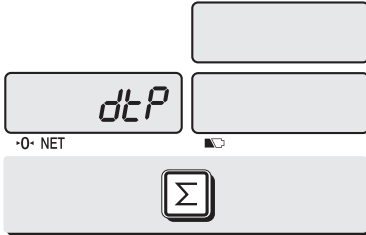the case of change needed please continue the following steps.

```
                    1 10.00
      CHG           10.00
 ·0· NET            ▭

        ∑
```

③ Press ∑ key to call up the change
amount.

```
                     0.00
     0.000           0.00
 ·0· NET            ▭

        ∑
```
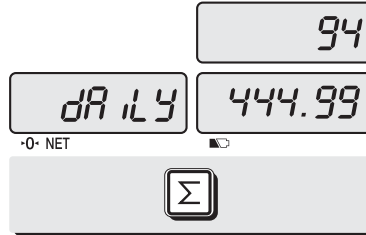
④ After checking the change amount press
∑ key to go back to normal weighing mode.

Chapter 7. Daily Total Sales

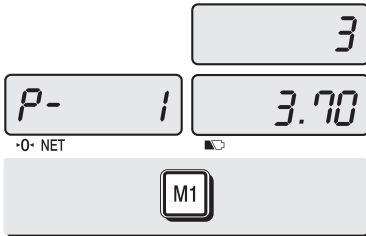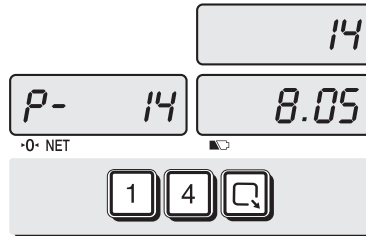## a. Calling up daily total sales data

```
                    dtP

        ·0· NET
                   [Σ]
```

① Press ∑ key for 3 seconds until "dtP" message shows up.

```
                          94
        dA iLY          444.99

        ·0· NET
                   [Σ]
```

② Press ∑ key again to call up daily total sales. Ex) daily total amount of sales=444.99,

```
                          3
        P-      1       3.70

        ·0· NET
                   [M1]
```
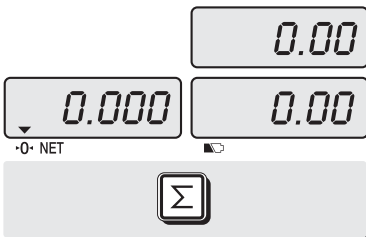
③ If you look at the amount of individual PLU sales call up appropriate PLU. Ex) PLU#1(Banana: Direct PLU) & PLU # 14.

```
                         14
        P-     14        8.05

        ·0· NET
              [1] [4] [Q]
```
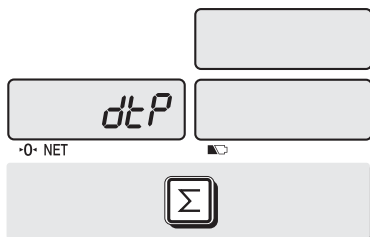
④ For PLU #14, press appropriate numeric keys and 🔲 to show daily total amount of sales and the daily total number of sale transactions.

● To go back to "Daily total sales" mode simply press ∑ key.

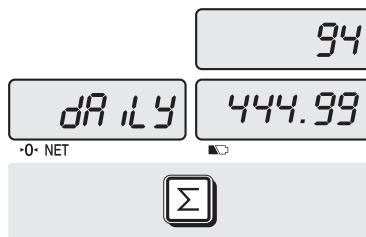```
                         0.00
        0.000   0.00

        ·0· NET
                   [Σ]
```

⑤ To go back to normal weighing mode. press ∑ key.

## b. Deleting daily total sales data

```
      dEP
·0· NET
```
```

```
⟨Σ⟩

① Press ∑ key for 3 seconds until "dtP" message shows up.

```
             94
  dA iL Y 444.99
·0· NET
```
⟨Σ⟩

② Press ∑ key again to call up daily total sales.
Ex) daily total amount of sales=444.99,

```
              0.00
   0.000   0.00
·0· NET
```
[C]
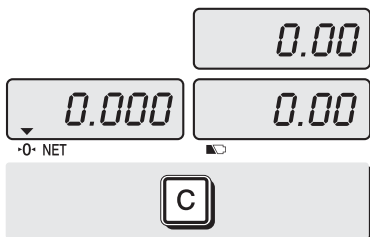
③ Press **C** key to delete "daily total sales" data. "Clear" message shows up shortly, and then it goes to normal weighing mode.

# Chapter 8. EURO Setting Method (Option)
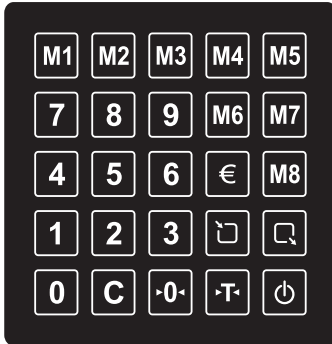
■ KEYBOARD



Table: Key Functions

| KEYS | FUNCTIONS |
|------|-----------|
| 0 ~ 9 | To input all of numerical data |
| M1 ~ M8 | Direct PLU keys |
| ☐ | To save PLU |
| ☐ | To call up PLU |
| C | To clear data |
| ›0‹ | To set zero |
| ›T‹ | To set or clear tare value |
| ⏻ | To turn on & off the scale |
| € | Used to set Euro to local currency, and vice versa |

## a. Saving Euro rate

| | |
|---|---|
| **0.00** € | **rAtE** € |
| **PLU nU** ·0· NET | **0.00** €/kg | **EUro** ·0· NET | **10** €/kg |
| [⊡] | [€] |
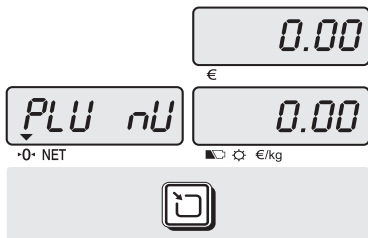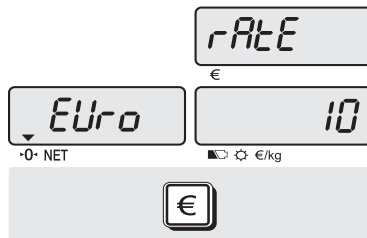
① Press the [⊡] key.

② Press the [€] key. If you have entered the euro rate before, you will see the previous euro rate '10' in the unit price display.

| | |
|---|---|
| **rAtE** € | **0.00** € |
| **EUro** ·0· NET | **6.55875** €/kg | **0.000** ·0· NET | **0.00** €/kg |
| [€] | [⊡] |
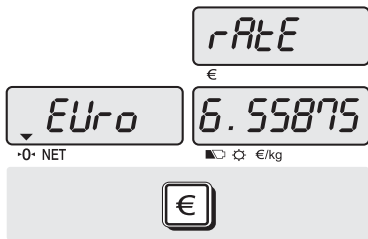
③ Enter appropriate euro rate. For example, enter €1 = 6.55878 (local currency). To move decimal point press [€] key five time in the total price display. You can't input '0' as euro rate value
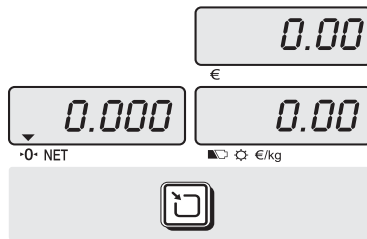
④ Press the [⊡] key to save it, then you will go to normal mode.

## b. Switching Currency

```
                43
           €
  0.500          35
·0· NET        ■▭ ☼ €/kg
```

① Place an item on the platter and press
€ key in the normal weighing mode.

```
            6.55875
           €
  EUro
·0· NET        ■▭ ☼ €/kg
```

② You will see the euro currency rate for 2
seconds and this messaege is
disappeared.

```
             6.48
           €
  0.500        12.96
·0· NET        ■▭ ☼ €/kg
```

③ Please make sure euro currency symbol
is on.

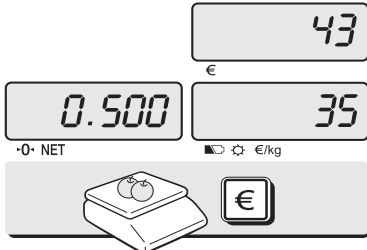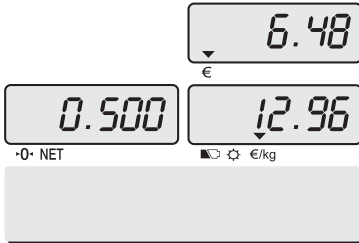※ NOTE : €6.55875 ≒ €6.56 in this example
€6.55475 ≒ €6.55 in this example

```
              0.00
           €
  0.000          35
·0· NET        ■▭ ☼ €/kg
```
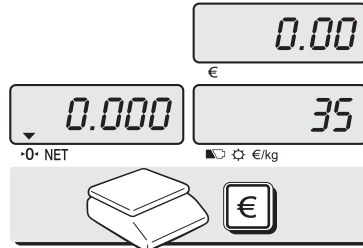
④ Remove the item from the platter.

and press € keys to go back to the normal
weighing mode.

※ Euro Conversion Option
- PLU Unit price is only available in NON EURO.
- Total Price(TTP Call, DTP Call) is automatically showed in the display that depending on the current unit
- Addmode is only available when you use EURO or NON EURO currencies separately.

Ex) You could not add 2 items of Euro Currency and add another item in NON EURO item in order to do
so, after the Total Price Transaction then you would be able to use the Non euro currency

Table: ASCII Code

LOW ORDER \ HIGH ORDER	2	3	4	5	6	7	8	9
0	SP	0	@	P	'	p		
1	!	1	A	Q	a	q		
2	″	2	B	R	b	r		
3	#	3	C	S	c	s		
4	$	4	D	T	d	t		
5	%	5	E	U	e	u		
6	&	6	F	V	f	v		
7	´	7	G	W	g	w		
8	(	8	H	X	h	x		
9	)	9	I	Y	i	y		
A	*	:	J	Z	j	z		
B	+	;	K	[	k			
C	,	<	L	¥	l			
D	-	=	M	]	m			
E	.	>	N	^	n			
F	/	?	O	_	o			

Picture1: Alphabet location on the keyboard

44
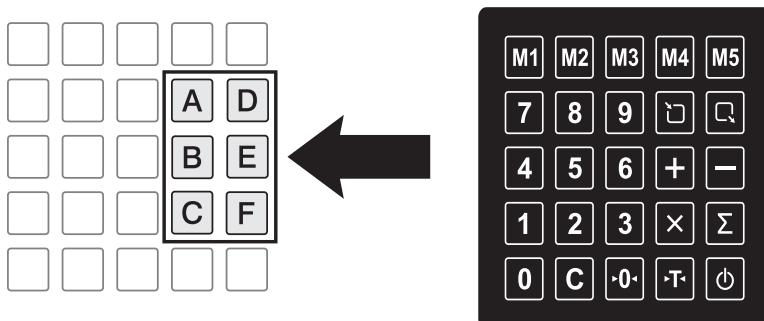
Table: Error Messages

Error Message on Display	Description	Solution
"Err 0"	The "Err 0" occurs when scale is not stable.	Remove unstable facts.
"Err 1"	The "Err 1" occurs when a current zero point has shifted from the last span calibration.	Please call your CAS dealer.
"Err 3"	The "Err 3" is an overload error.	Please remove the weight.
"Err 4"	The "Err 4" is leakage of payment.	Scale needs more payment.
"Err 5"	The "Err 5" means there is already tare.	Remove the tare.
"Err 6"	The "Err 6" means total price summation is over.	Please change unit price or remove some weight.
"Err 8"	The "Err 8" means Euro rating price is over.	Please change unit price or change euro rate.
"Err13"	The "Err13" means the soft key code is broken	Please try to find out which key lost soft key code and then input this code again.
"Err 15"	The "Err 15" means 1/2 or 1/4 unit price is over.	Please change unit price

Table: SPECIFICATION

MODEL	ER PLUS		
CAPACITY	*Dual Interval* Max 3/6kg e = 1/2g	*Dual Interval* Max 6/15kg e = 2/5g	*Dual Interval* Max 15/30kg e = 5/10g
DISPLAY	5 / 6 / 6 (Weight/Unit Price/Total Price)		
SYMBOL ON DISPLAY	Power, Zero, Tare, Low battery, Backlight (Option for only LCD version)		
MAXIMUM TARE	- 2.999 kg	- 5.998 kg	- 14.995 kg
OPERATING TEMPERATURE	-10℃ ~ +40℃		
POWER SOURCE	12V DC Adaptor		
POWER CONSUMPTION	Approximately VFD Type 10W, LCD Type 5W, LED Type 7W(Charging)		
PLATTER SIZE (mm)	304 (W) x 220 (D)		
PRODUCT SIZE (mm)	360 (W) x 350 (D) x 106 (H)		
PRODUCT WEIGHT	4.7kg		
MINIMUM VOLTAGE LEVEL OF THE BATTERY	About 5.6V		
BATTERY LIFE	When battery is charged for 12 hours		
	LCD VERSION Approximately 200 hours (backlight off)	LED VERSION Approximately 46 hours	VFD VERSION Approximately 6 hours
BATTERY TYPE	Pb battery, 6V 4Ah/20Hr		
OPTIONS	Pole, Backlight(only LCD version),Battery(only VFD version)		

※ **Notice : specifications are subject to change for improvement without notice.**

MEMO

ER PLUS SERIES

Price Computing Scale