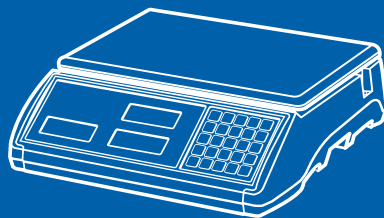


RETAIL WEIGHING SOLUTION™

ER^{PLUS} SERIES

Price Computing Scale



CAS

www.globalcas.com

OWNER'S MANUAL

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PRECAUTIONS

Warning

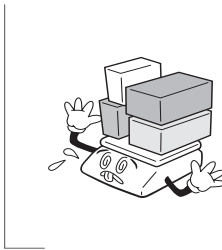
Precautions when installing the scale. To ensure that you get the most from your scale, please follow these instruction.

Do not disassemble the scale.

When any damage or defect occurs, contact your CAS authorized dealer immediately for proper repair.



Do not overload beyond the maximum weight limit.



Scale must be grounded to minimize electricity static.

This will minimize defect or electric shock.



Do not pull the plug by its cord when unplugging.

Damaged cord could cause electric shock or fire.



To prevent from fire occurring, Do not place or use the scale near flammable or corrosive gas.



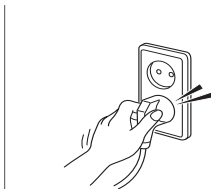
To reduce electric shock or incorrect reading, Do not spill water on the scale or place it in humid condition.



Avoid placing the scale near heater or in direct sunlight.

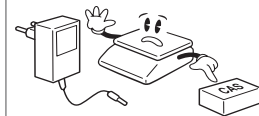


Insert plug firmly to wall outlet to prevent electric shock.



Use proper Adapter.

Incorrect adapter could damage the scale.



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 generating devices.

This may interfere with accurate reading.



Place the scale on firm and temperature consistent environment.



By adjusting 4 corners of the scale, set the scale even using the built in scale leveling indicator.



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



PREFACE

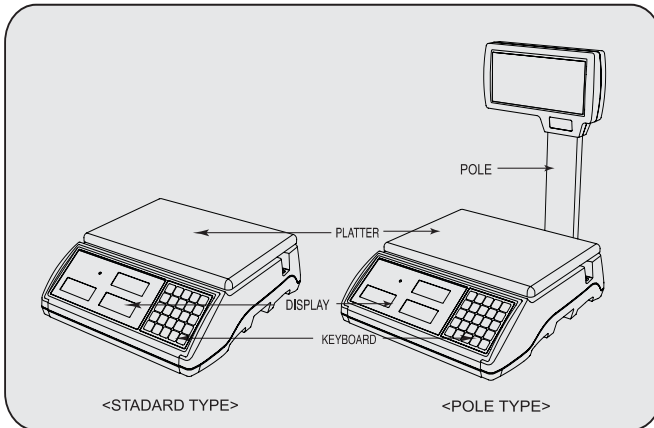
Thank you for the purchasing CAS ER^{PLUS}.

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.

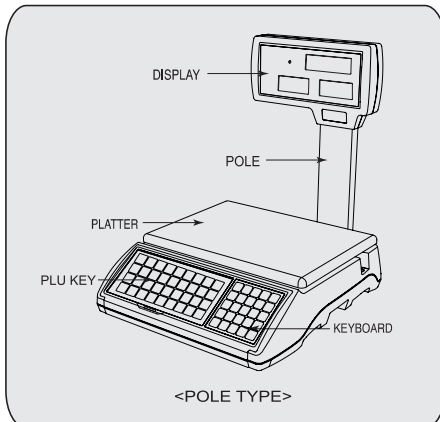
The user manual is designed to guide you to understand product operation and proper care of product.

OVERALL VIEW

■ ER^{PLUS}

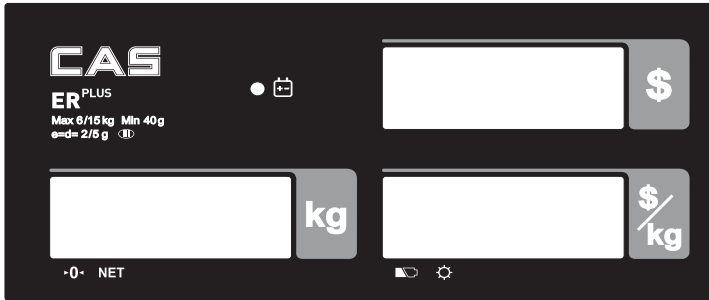


■ ER^{PLUS - M}



DISPLAY & KEYBOARD

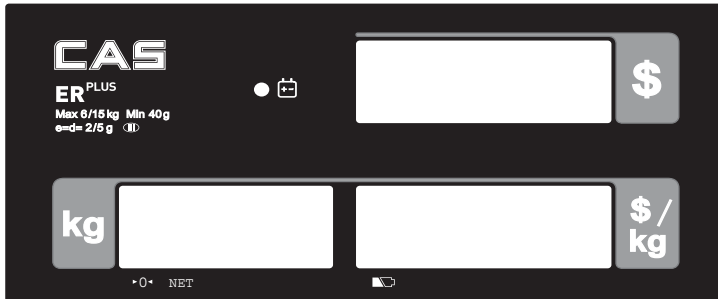
- ER PLUS LCD TYPE : Front Display



- ER PLUS LCD TYPE : Rear Display



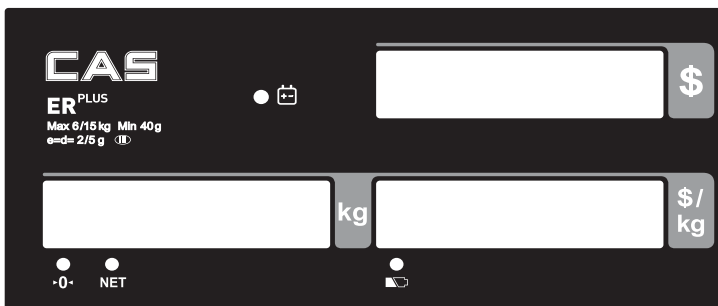
- ER PLUS VFD TYPE : Front Display



- ER PLUS VFD TYPE : Rear Display



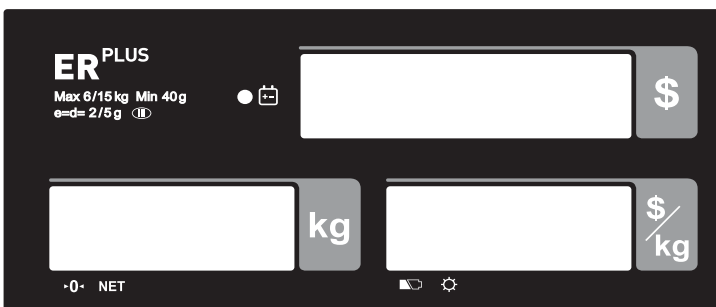
■ ER PLUS LED TYPE : Front Display



■ ER PLUS LED TYPE : Rear Display



■ ER PLUS-M LCD TYPE : Front Display



■ ER PLUS-M LED TYPE : Front Display

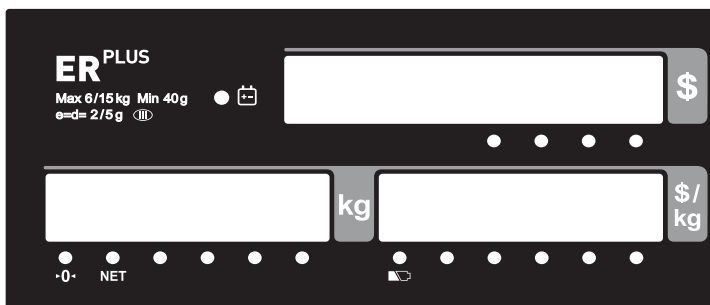
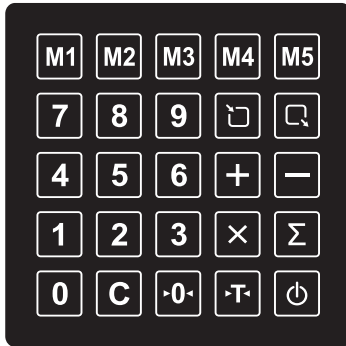


Table : Symbols on Display

SYMBOLS	DESCRIPTION
0 (▼)	To adjust zero
NET (▼)	Tare on
⚙ (▼)	Back light on
🔋 (▼)	Low battery warning
🔋 (+-)	Charge status

■ KEYBOARD



■ ER^{PLUS-M} Direct PLU Key pad

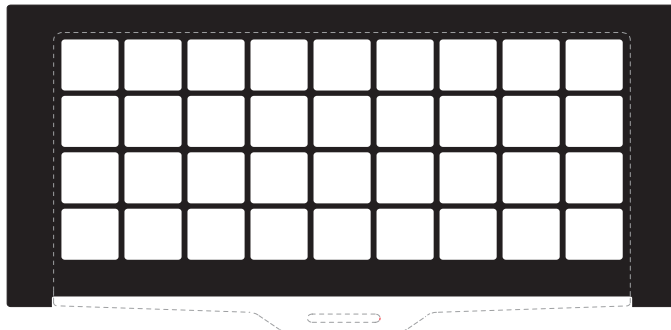

















Table: Key Functions

KEYS	FUNCTIONS
 ~ 	To input all of numerical data
 ~ 	Direct PLU keys
	To save PLU
	To call up PLU
	To clear data
	To set zero
	To set or clear tare value
	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
	To check total sales amount or finalize sales transaction
	Direct PLU key (ER ^{PLUS-M})

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

Chapter 2. PLU Saving & Calling-up

- a. Saving unit price on PLU
- b. Saving valid date set on PLU (Option)
- c. Saving PLU item code
- d. Saving PLU name
- e. Calling up PLU
 - Indirect PLU
 - Direct PLU

Chapter 3. User's Set-up Mode

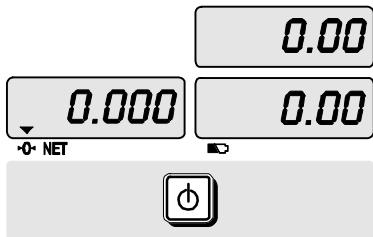
- a. Auto power-off
- b. LCD backlight ON/OFF function (Option in LCD version only)
- c. Brightness control (Option in LCD version only)
- d. Low battery backlight auto off function (Option in LCD version only)
- e. Suspend Mode Function (Only LED version)
- f. Selecting the printer

Chapter 4. Formatting Printing Receipt

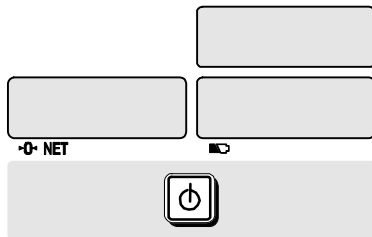
- a. Setting the Printer
- b. Receipt header setting
- c. Receipt currency (unit) setting
- d. Receipt DATE setting
- e. Receipt TIME setting
- f. Receipt Date format setting
- g. Samples of Print format

Chapter 1. Basic Operation

a. Turning the scale on / off

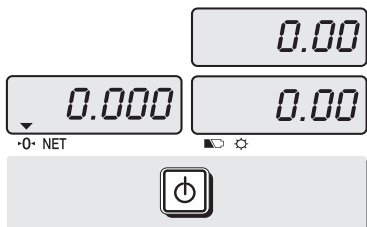


Press **ON/OFF** key to turn on.

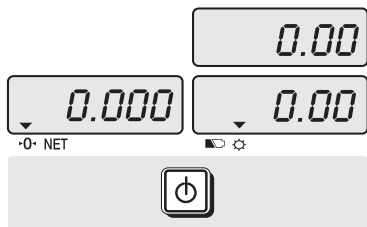


Press **ON/OFF** key to turn off(LED, VFD Version).
Press **ON/OFF** key for a few seconds to turn OFF(LCD Version)

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

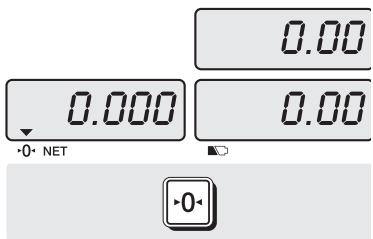


Press **ON/OFF** key to turn on.



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

c. Zero function

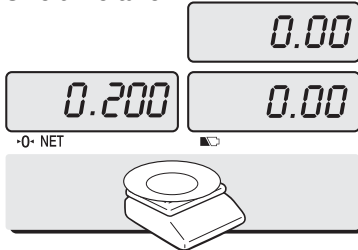


Press **ZERO** key to set zero point.

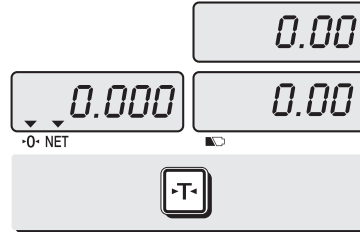
d. Tare function

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

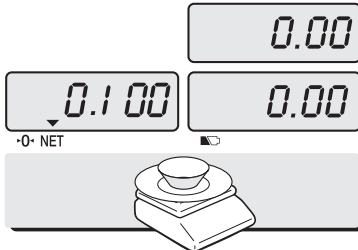


Place a container on the platter.
Ex) 200g of tare.

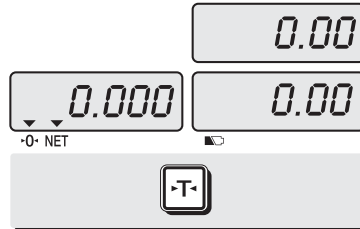


Press **TARE** key to set zero point.
EX) 200g of tare.

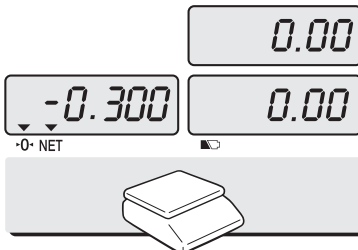
■ Successive tare



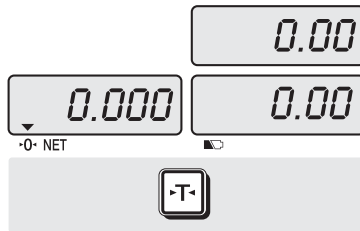
Place another container on the platter.
Ex) 100g of tare



Press **TARE** key to set zero point

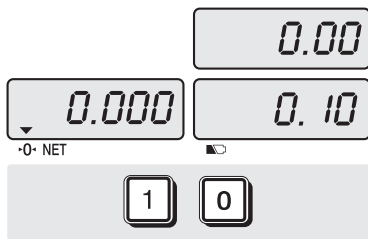


After weighing item remove all of the container from the platter.

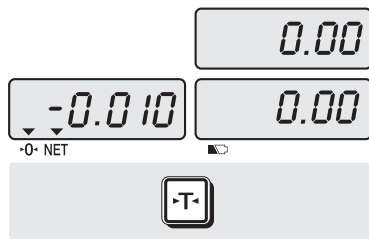


Press **TARE** key again to set zero.

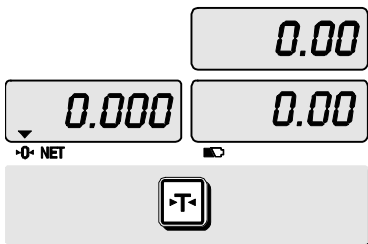
■ Preset tare



Press appropriate numeric keys.
Ex) 10g



Press **TARE** key to set tare.



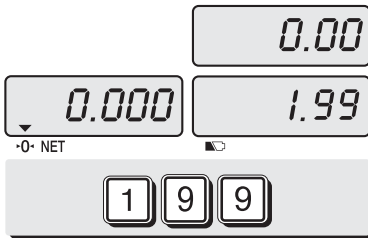
Press **TARE** key again to set zero.

Chapter 2. PLU Saving & PLU Calling-up

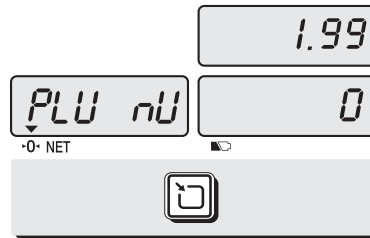
a. Saving unit price on PLU

This section explains how to save unit price in PLU.

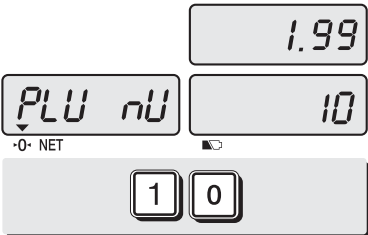
	Number of PLU	Range	Remarks
PLU Name	200	1~200	



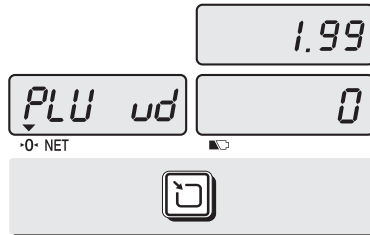
Press numeric key to input unit price you wish to have. Ex) 1.99



Press  key.



Press numeric key to input a PLU address. Ex) PLU 10.

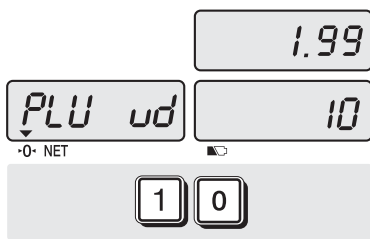


Press  key to save it.

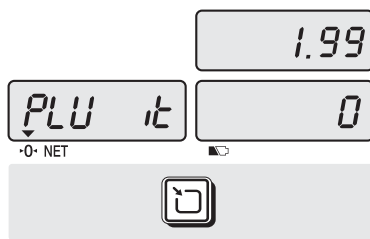
b. Saving valid date set on PLU

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)	



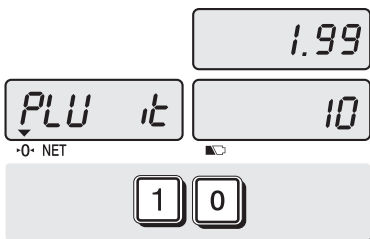
Press numeric key to input a valid date
Ex) Sell by 9 days after



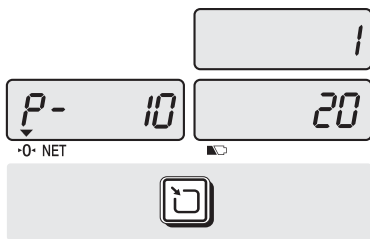
Press "☐" key to save it.

c. Saving PLU item code

This section explains how to save valid date in PLU.



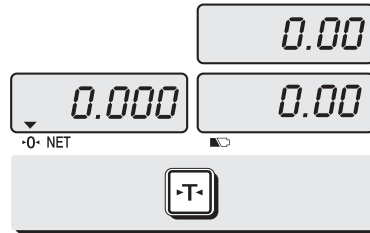
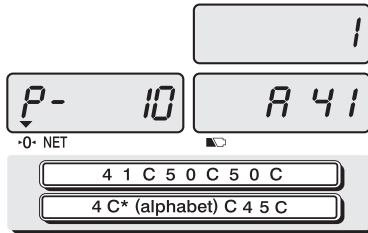
Press numeric key to input a item code
Ex) Item code number "10"



Press "☐" key to save it.

d. 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.

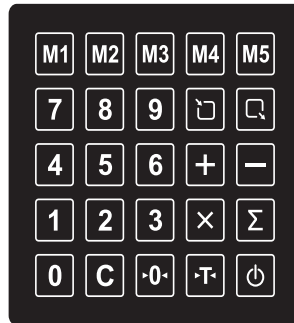
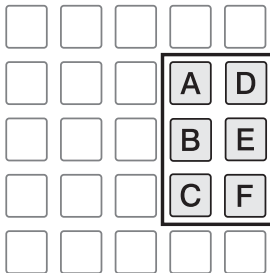


Input appropriate ASCII codes to save the PLU name. Please refer to the ASCII table on page 45.

Ex) "APPLE" is "4, 1, C, 5, 0, C, 5, 0, C, 4, C(alphabet), C, 4, 5, C"

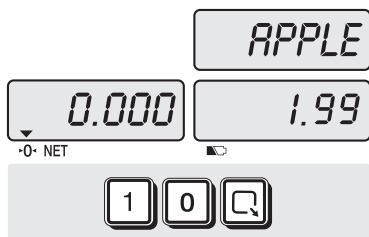
Press **TARE** key to exit to normal weighing mode or **C** key up to maximum 16th byte. Then automatically exit to normal weighing mode.


■ Please refer to "Alphabetic key location".

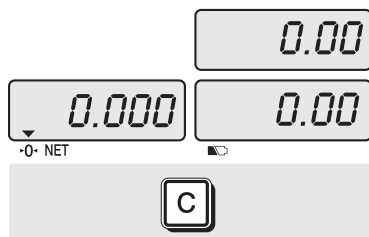


e. Calling up a PLU

■ Indirect PLU



To call up indirect PLU saved press appropriate numeric keys (address) and “” key
Ex) PLU 10

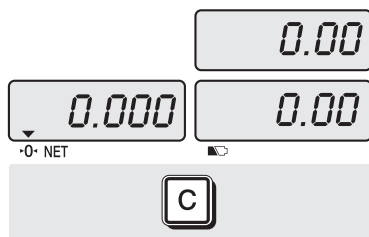


To go back to normal weighing mode
press **C** key

■ Direct PLU



To call up direct PLU saved just
Press appropriate direct PLU key.
Ex) PLU 2

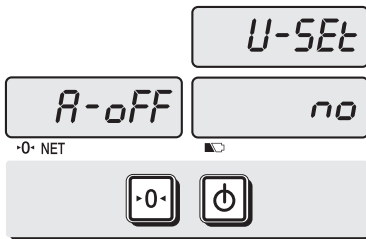


To go back to normal weighing mode
press **C** key

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	



To get into "User's Set-up Mode" press **ON/OFF** key pressing and holding **ZERO** key.

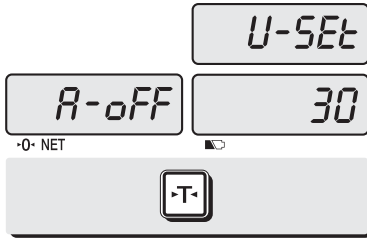
- Press **ZERO** key to save current option and move to next function setting mode.
- Press **TARE** key to move to other next option.

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.	



Select an option you wish to have by using **TARE** key.
Ex) 30 (minutes)

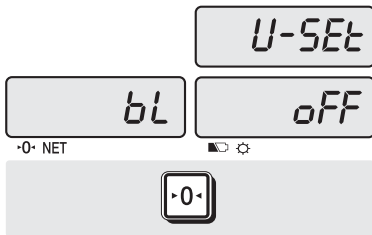
b. LCD backlight ON/OFF function

(Option in LCD version only)

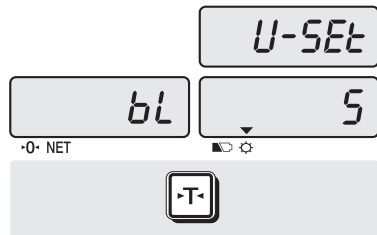
This section explains how to set backlight on & off function and automatic off function.

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.	



Press **ZERO** key to move next function setting, backlight on/off

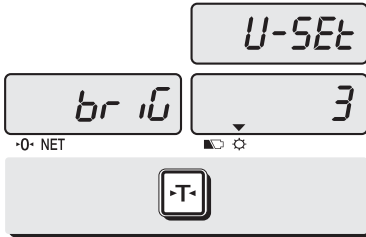


Use **TARE** key to select one of backlight auto power-off option or backlight on/off
Ex) Select 5 seconds auto power-off option.

c. Brightness control

(Option in LCD version only)

This section explains how to set brightness level (1~7)



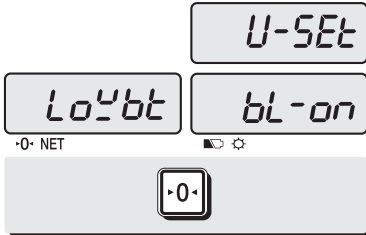
Press **ZERO** key to move next function setting, backlight brightness.

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.



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

Press **TARE** key to select backlight on/off.

 : Low battery condition

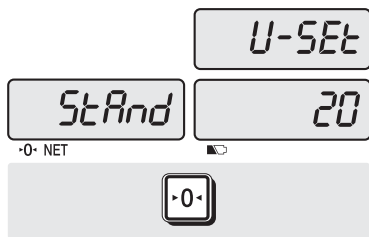
e. Suspend mode function

(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



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

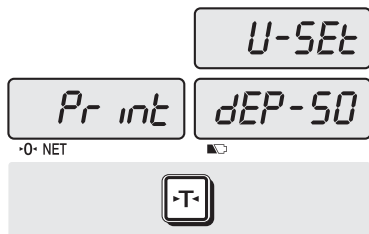
Press **TARE** key to select a time to suspend mode.

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	



Press **ZERO** key to move next function setting, selecting the printer

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

Chapter 4. Formatting printing receipt

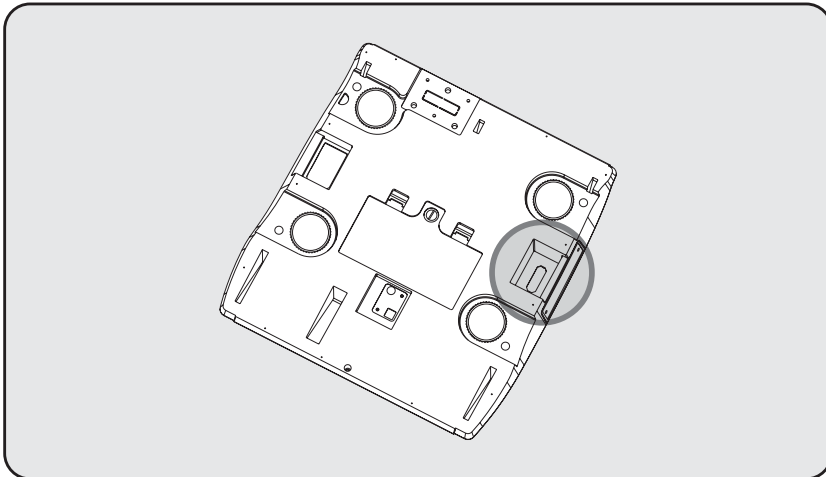
This chapter explains how to set the receipt format in the following fields.

To set into "Printing format Setup mode" Press ON/OFF key pressing and holding C key.

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

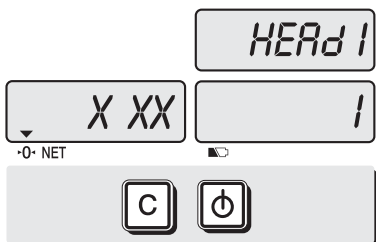
Please connect your printer to RS-232 port, which is located at the gray part on the picture, using RS-232 cable.



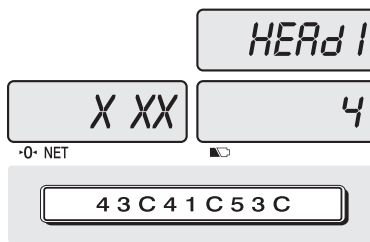
b. Receipt header setting

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

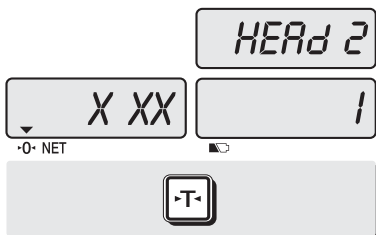
- User may input the name of store, telephone number, or other expressions he/she wishes to have on the receipt.



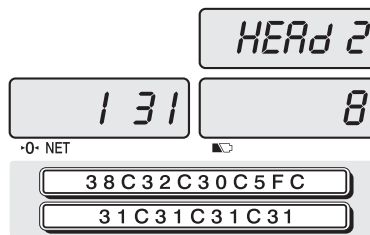
Pressing and holding **C** key, press **ON/OFF** key under the scale power off. "1" on the "Unit Price" display represents that you are ready to input the first character.



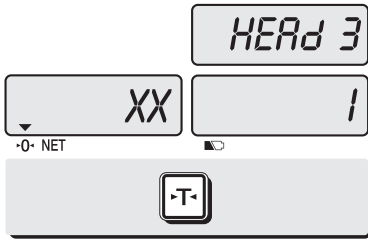
Input appropriate ASCII codes (page on 45) you wish to have.
Ex) CAS.



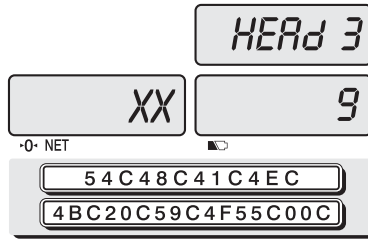
To save it and go next header line press **TARE** key.



Using ASCII code you can input appropriate data on Header 2.
Ex) 820-1111, telephone #.

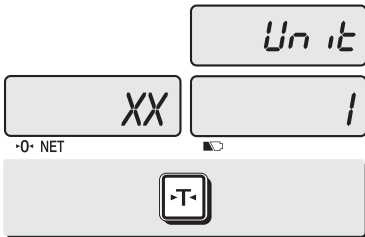


To save it and go next header line press **TARE** key.

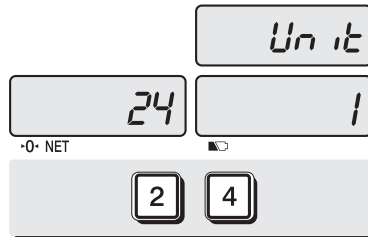


Using ASCII code you can input appropriate data on Header 2.
Ex) THANK YOU

c. Receipt currency (unit) setting

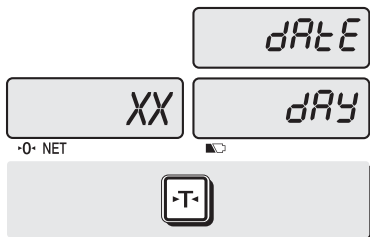


Initial currency (unit) display status.

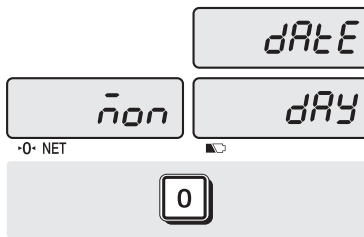


Using ASCII code you can input appropriate character or currency symbols on unit.
Ex) \$

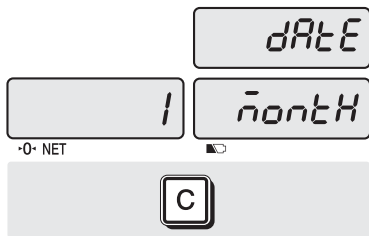
d. Receipt DATE setting



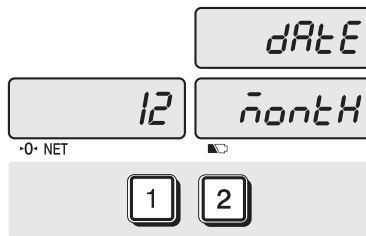
To save it and go to "Initial DATE display" status press **TARE** key.



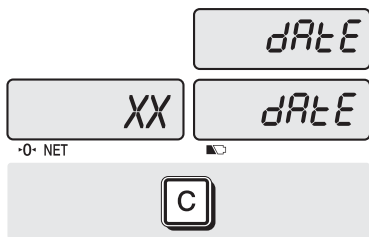
Just input appropriate weekday you wish to have, using numeric key.
Ex) 0(Monday) ~ 6(Sunday)



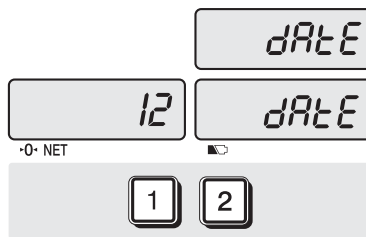
Press **C** key to go to next "Month" setting.



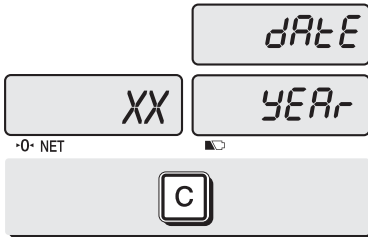
Just input appropriate month you wish to have, not using ASCII code.
Ex) 12 (December)



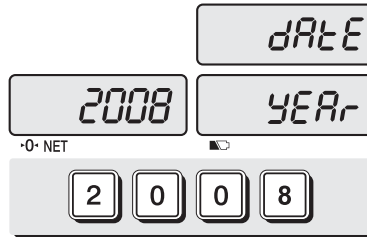
Press **C** key to go to next "Date" setting.



Just input appropriate date you wish to have, not using ASCII code.
Ex) 12th day

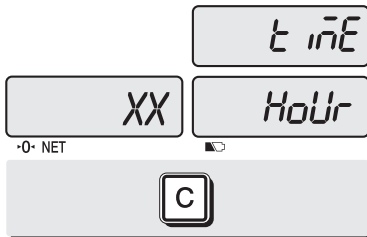


Press **C** key to go to next "Year" setting.

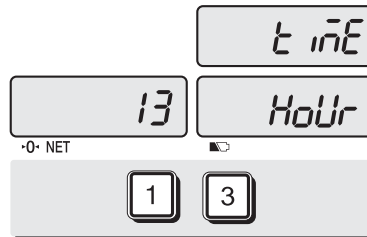


Just input appropriate year you wish to have, not using ASCII code.
Ex) Year 2008

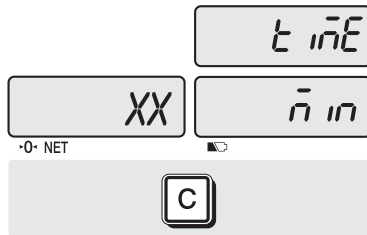
e. Receipt TIME setting



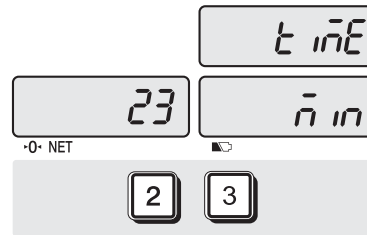
Press **C** key to go to next "Hour" setting.



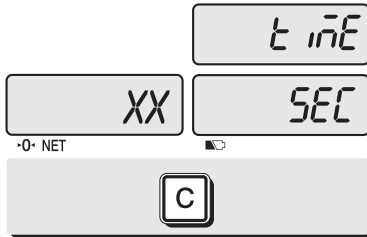
Just input appropriate time you wish to have, not using ASCII code.
Ex) Hour 13 (PM 1:00)



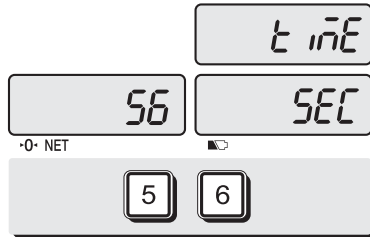
Press **C** key to go to next "Minute" setting.



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

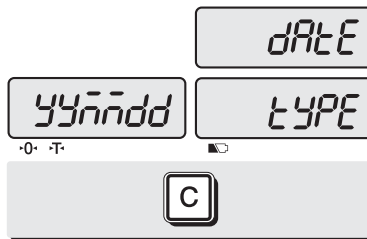


Press **C** key to go to next "Second" setting.

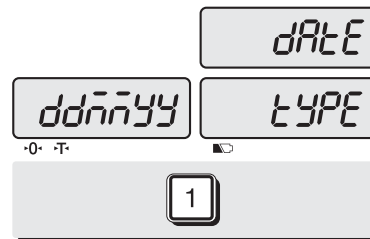


Just input appropriate second you wish to have, not using ASCII code.
Ex) Second 56

f. Receipt Date format setting



Press **C** key to go to next "Date format" setting.



Just input a number according to below table.

Number	Date format
0	Year / Month / Date
1	Date / Month / Year







Ex) Press "1" to use DD/MM/YY print format

- If you press **C** or **T(TARE)** key you can automatically go to normal weighing mode.

g. Samples of Print format

■ DLP Printer







When using weigh item or fixed item sale mode.

<table border="1"> <tr> <td colspan="2">PLU NAME 12345678</td> </tr> <tr> <td>Weight(kg)</td> <td>Unit Price(\$/kg)</td> </tr> <tr> <td>99.999</td> <td>9999.99</td> </tr> <tr> <td colspan="2">PACKED ON : 07.12.03 SELL BY : 07.12.04 001</td> </tr> <tr> <td rowspan="2">  1 112345 999990 </td> <td>Total Price(\$)</td> </tr> <tr> <td>9999.99</td> </tr> <tr> <td colspan="2">Welcome to CAS Market !</td> </tr> </table>	PLU NAME 12345678		Weight(kg)	Unit Price(\$/kg)	99.999	9999.99	PACKED ON : 07.12.03 SELL BY : 07.12.04 001		 1 112345 999990	Total Price(\$)	9999.99	Welcome to CAS Market !		<table border="1"> <tr> <td colspan="2">PLU NAME 12345678</td> </tr> <tr> <td>Weight(kg)</td> <td>Unit Price(\$/kg)</td> </tr> <tr> <td>99.999</td> <td>9999.99</td> </tr> <tr> <td colspan="2">PACKED ON : 07.12.03 SELL BY : 07.12.04 001</td> </tr> <tr> <td rowspan="2">  1 112345 999990 </td> <td>Total Price(\$)</td> </tr> <tr> <td>9999.99</td> </tr> <tr> <td colspan="2">Welcome to CAS Market !</td> </tr> </table>	PLU NAME 12345678		Weight(kg)	Unit Price(\$/kg)	99.999	9999.99	PACKED ON : 07.12.03 SELL BY : 07.12.04 001		 1 112345 999990	Total Price(\$)	9999.99	Welcome to CAS Market !	
PLU NAME 12345678																											
Weight(kg)	Unit Price(\$/kg)																										
99.999	9999.99																										
PACKED ON : 07.12.03 SELL BY : 07.12.04 001																											
 1 112345 999990	Total Price(\$)																										
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Welcome to CAS Market !																											
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Weight(kg)	Unit Price(\$/kg)																										
99.999	9999.99																										
PACKED ON : 07.12.03 SELL BY : 07.12.04 001																											
 1 112345 999990	Total Price(\$)																										
	9999.99																										
Welcome to CAS Market !																											

ERP type – Barcode indicates "Total price"

ERW type – Barcode indicates "Weight"

When using multi item sale mode.

<table border="1"> <tr> <td colspan="2">PLU NAME 12345678</td> </tr> <tr> <td>PCS</td> <td>Unit Price(\$/pcs)</td> </tr> <tr> <td>999999</td> <td>9999.99</td> </tr> <tr> <td colspan="2">PACKED ON : 07.12.03 SELL BY : 07.12.04 001</td> </tr> <tr> <td rowspan="2">  1 112345 999990 </td> <td>Total Price(\$)</td> </tr> <tr> <td>9999.99</td> </tr> <tr> <td colspan="2">Welcome to CAS Market !</td> </tr> </table>	PLU NAME 12345678		PCS	Unit Price(\$/pcs)	999999	9999.99	PACKED ON : 07.12.03 SELL BY : 07.12.04 001		 1 112345 999990	Total Price(\$)	9999.99	Welcome to CAS Market !		<table border="1"> <tr> <td colspan="2">PLU NAME 12345678</td> </tr> <tr> <td>PCS</td> <td>Unit Price(\$/pcs)</td> </tr> <tr> <td>999999</td> <td>9999.99</td> </tr> <tr> <td colspan="2">PACKED ON : 07.12.03 SELL BY : 07.12.04 001</td> </tr> <tr> <td rowspan="2">  1 112345 999990 </td> <td>Total Price(\$)</td> </tr> <tr> <td>9999.99</td> </tr> <tr> <td colspan="2">Welcome to CAS Market !</td> </tr> </table>	PLU NAME 12345678		PCS	Unit Price(\$/pcs)	999999	9999.99	PACKED ON : 07.12.03 SELL BY : 07.12.04 001		 1 112345 999990	Total Price(\$)	9999.99	Welcome to CAS Market !	
PLU NAME 12345678																											
PCS	Unit Price(\$/pcs)																										
999999	9999.99																										
PACKED ON : 07.12.03 SELL BY : 07.12.04 001																											
 1 112345 999990	Total Price(\$)																										
	9999.99																										
Welcome to CAS Market !																											
PLU NAME 12345678																											
PCS	Unit Price(\$/pcs)																										
999999	9999.99																										
PACKED ON : 07.12.03 SELL BY : 07.12.04 001																											
 1 112345 999990	Total Price(\$)																										
	9999.99																										
Welcome to CAS Market !																											

ERCP type – Barcode indicates "Total price"

ERCW type – Barcode indicates "PCS"

■ DEP Printer

```

DATE. 2009/01/08/WED.
TIME. 15:27:59
=====
weight    unit price  total
(kg)      |    ($/kg)  ($)
=====
NO_PLU
  0.104    1234.56    128.39
=====
Sum($)                                128.39
    
```

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)

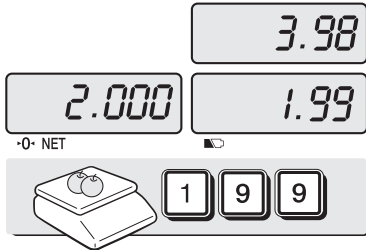
- a. Saving Euro rate
- b. Switching Currency

Chapter 5. Sales Transaction

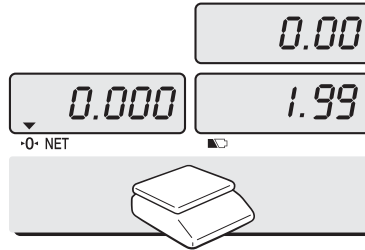
ER^{PLUS} may make sales transaction either with free price or with PLU.

a. Sales with free price (hand pricing)

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



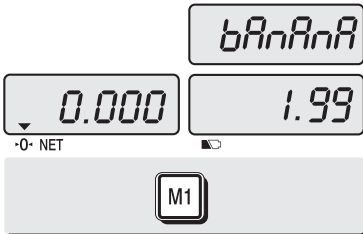
Place an item on the platter and press appropriate numeric keys to input unit price.
Ex) 1.99 for unit price.



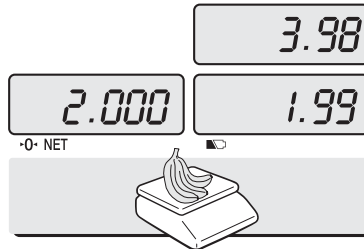
Remove the item from the platter.

b. Sales using PLU (Price Look-Up)

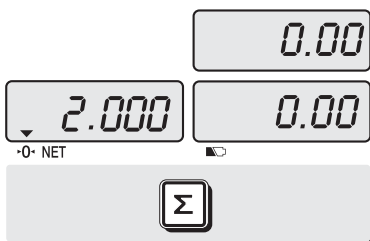
■ Direct PLU



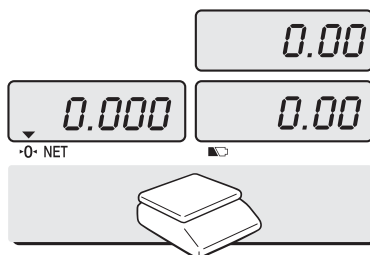
Call up a direct PLU.
Ex) "M1"



Place an item on the platter.

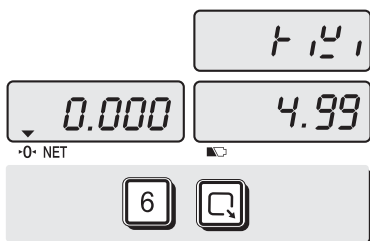


If you press Σ key add this transaction to daily total amount and number of sales data, unit-price & total-price window is clear. if the scale is connected printer, sale transaction data will printed out.

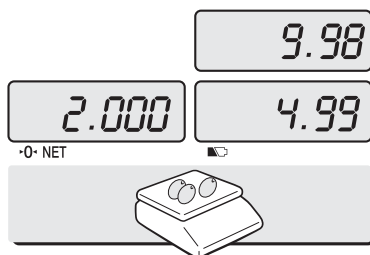


Remove the item from the platter.

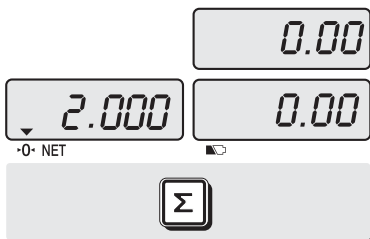
■ Indirect PLU



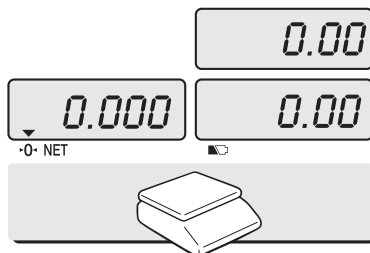
Call up an indirect PLU.
Ex) "PLU 6 for Kiwi"



Place an item on the platter.



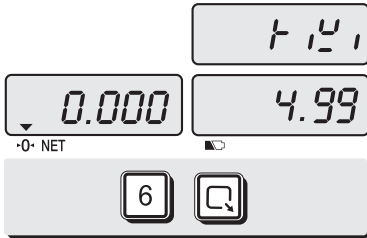
If you press Σ key add this transaction to daily total amount and number of sales data, unit-price & total-price window is clear. if the scale is connected printer, sale transaction data will printed out.



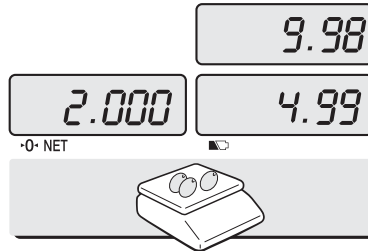
Remove the item from the platter.

c. Adding up several sales transactions for weighed items

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

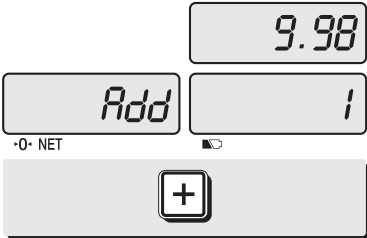


Call up an indirect PLU.
Ex) "PLU 6 for Kiwi"

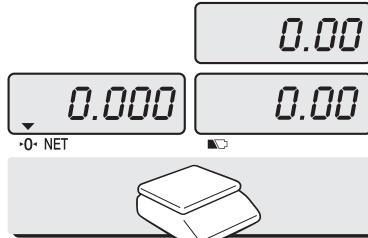


Place an item on the platter.

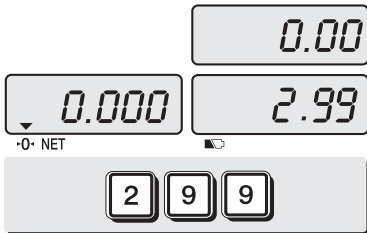
- If you press "Σ" key after 2nd step the scale is automatically going to normal weighing mode and add this transaction to daily total amount and number of sales data.



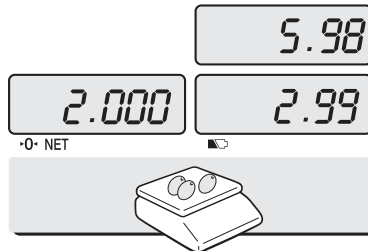
Press + key.



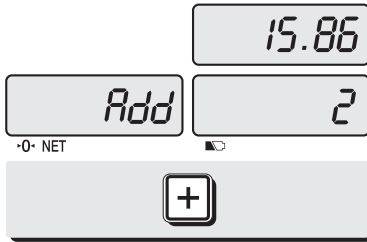
Remove the item from the platter.



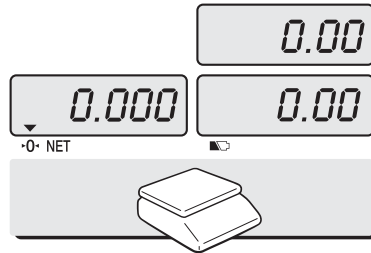
Input a unit price
EX) 2.99 for Honey melon



Place an item on the platter.



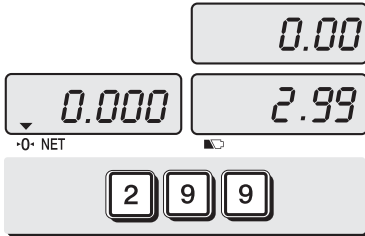
Press **+** key. "Total Price" display says total price added, and "Unit Price" display says the number of sales transactions added.



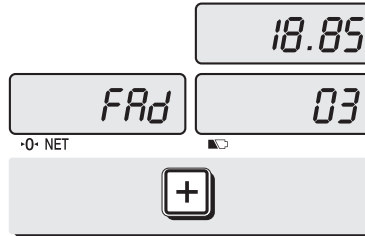
Remove the item from the platter.

- 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.

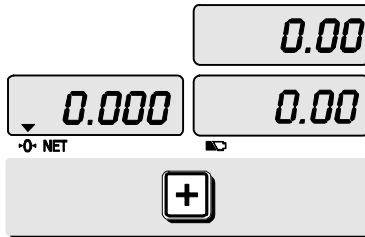
**d. Adding up several sales transactions for non-weighted items
(Fixed price added)**



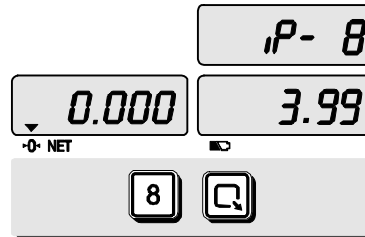
Input a unit price



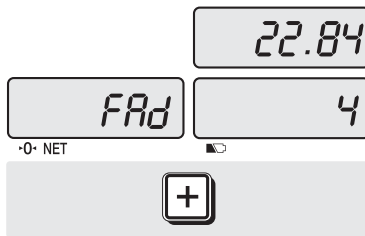
Press + key.



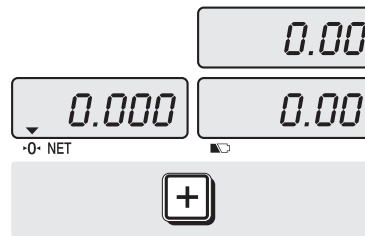
Press + key to go to normal weighing mode.



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



Press + key

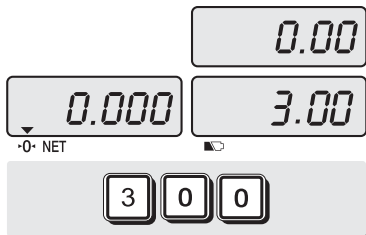


Press + key to go to normal weighing mode.

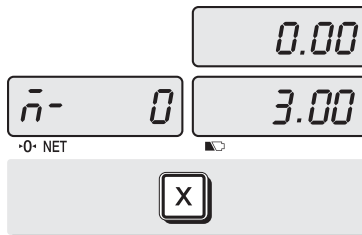
- Please refer to "Chapter 7. Daily Total Sales Amount" for calling up or deleting the daily total.

e. Multiplying the same item sales

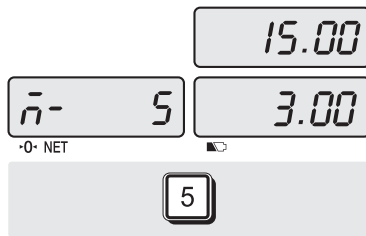
- You may either call up PLU or input unit price into the scale.



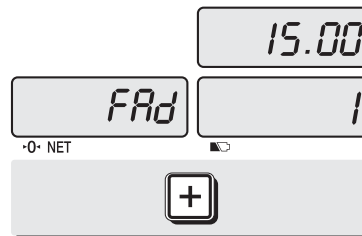
Input a unit price
Ex) 3.00 for "Canned Soup"



Press **X** key.

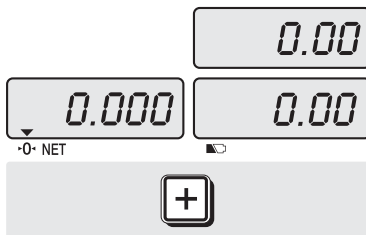


Press appropriate numeric key to input the number of items.



Press **+** key.

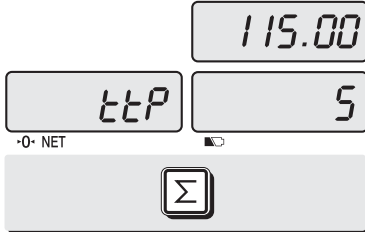
- You may cancel previous number of item input by pressing **C** key and retry it.
- You may go back to normal weighing mode by pressing **C** key when "Unit Price" display shows "0".



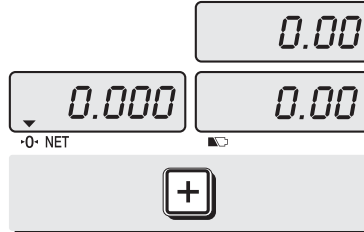
Press **+** key to go to normal weighing mode.

f. Calling up or deleting total amount

- When you just check total amount.

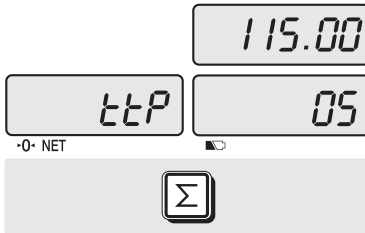


Press Σ key just to check total amount.
Ex) Total amount=115.00,
Total number of transaction= 5.

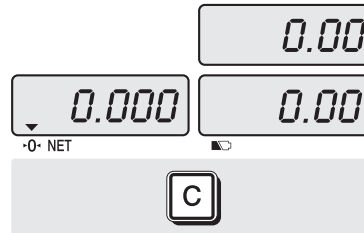


Press $+$ key to go to normal weighing mode.

- The scale beeps when there is no adding-up transaction.
- When you delete total amount.



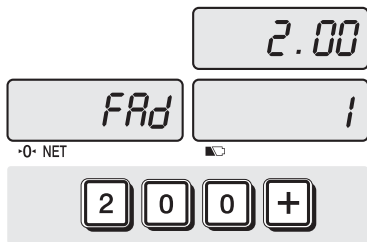
Press " Σ " key just to check total amount.
Ex) Total amount=115.00,
Total number of transaction= 5.



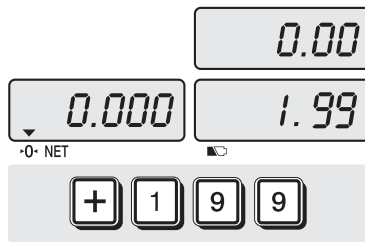
Press **C** key to delete total amount.
However, this total amount is still saved
on daily total sales amount.

g. Cancel

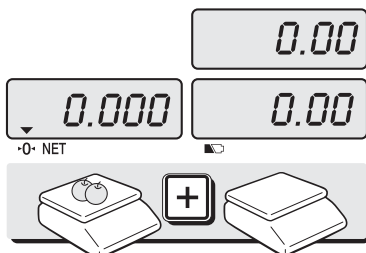
- When user makes more than two sales transactions he/she can cancel previous mistake transaction(s) of them by doing "Cancel" function.



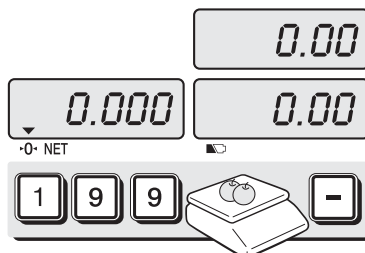
Press numeric keys to input a unit price.
Ex) Item's unit price=2.00



Press **+** key and appropriate numeric keys to make next another sales transaction.
Ex) unit price = 1.99, 1kg



Place item on the platter and do **+** function.
Ex) unit price=1.99, 1kg
Remove it from the platter.

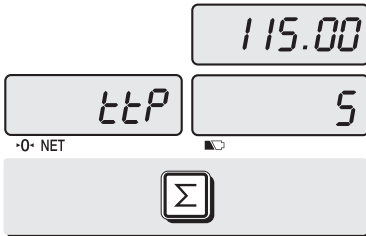


To cancel previous transaction input the same unit price and place the same item on the platter. Then, press **-** key.

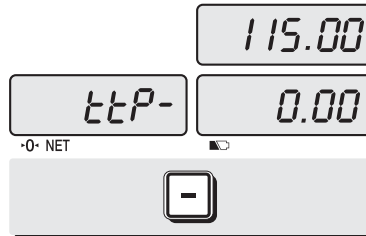
- Remove the item from the platter. For sure user may check total number of a series of transactions after canceling previous one by pressing Σ key to call up "tTP(Total Price)".

Chapter 6. Discount & Payment

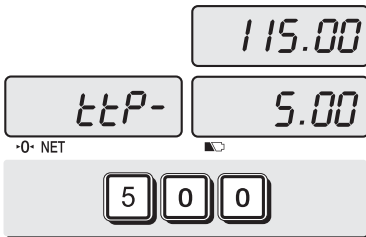
a. Discount on total sales amount



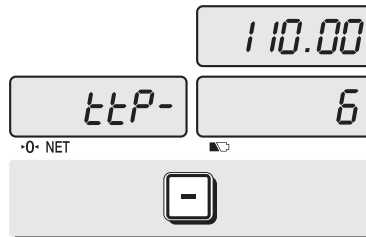
Press Σ key just to check total amount.
 Ex) Total amount=115.00,
 Total number of transaction=5.



Press = key.



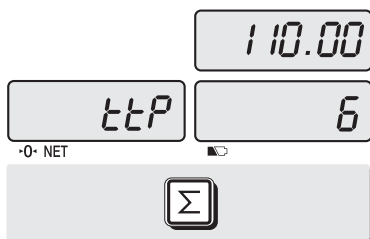
Press appropriate numeric keys to input the amount of discount.



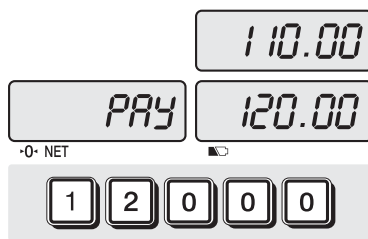
Press = key.

- Press Σ key to finalize these transactions. "Payment" function will be followed.

b. Payment function on total sales amount

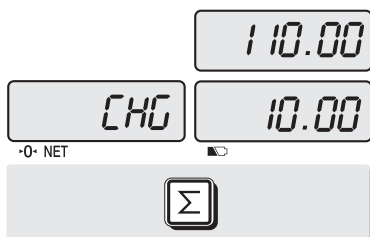


Press Σ key to call up total price.

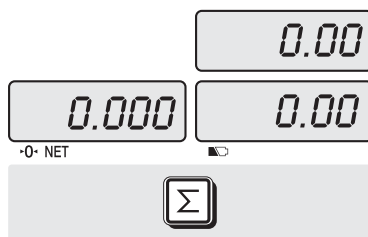


Press appropriate numeric keys to make payment.
Ex) 120.00 payment

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



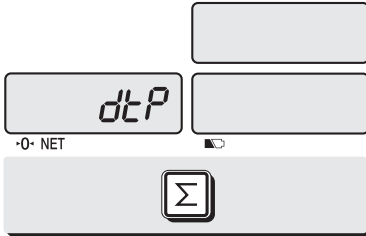
Press Σ key to call up the change amount.



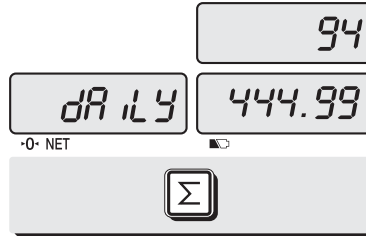
After checking the change amount press Σ key to go back to normal weighing mode.

Chapter 7. Daily Total Sales

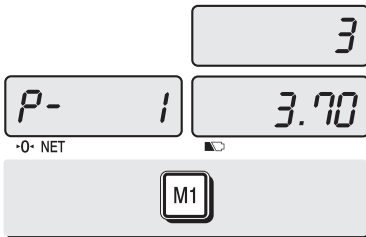
a. Calling up daily total sales data



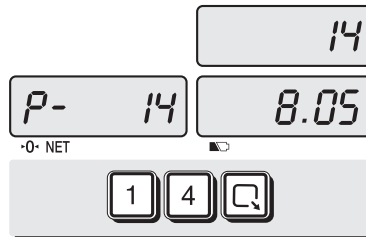
Press Σ key for 3 seconds until "dtP" message shows up.



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

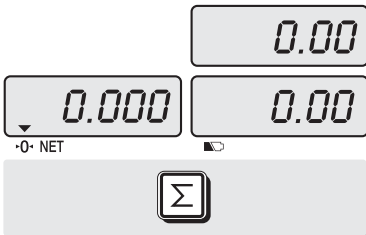


If you look at the amount of individual PLU sales call up appropriate PLU.
Ex) PLU#1(Banana: Direct PLU) & PLU # 14.



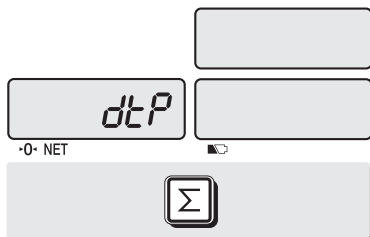
For PLU #14, press appropriate numeric keys and \square to show daily total amount of sales and the daily total number of sale transactions.

- To go back to "Daily total sales" mode simply press Σ key.

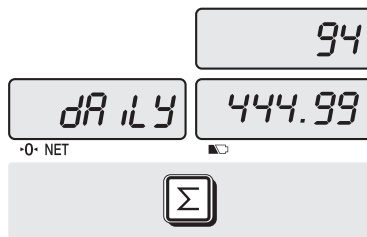


To go back to normal weighing mode, press Σ key.

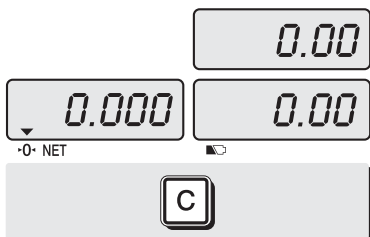
b. Deleting daily total sales data



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



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



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

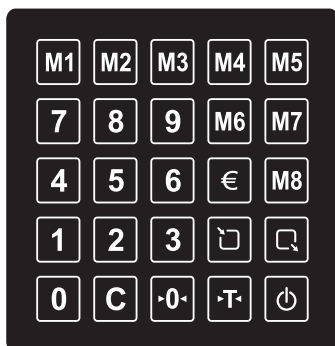
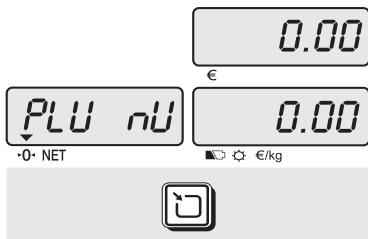


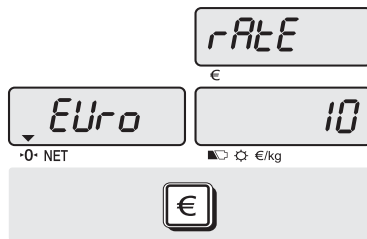
Table: Key Functions


KEYS	FUNCTIONS
~	To input all of numerical data
~	Direct PLU keys
	To save PLU
	To call up PLU
	To clear data
	To set zero
	To set or clear tare value
	To turn on & off the scale
	Used to set Euro to local currency, and vice versa

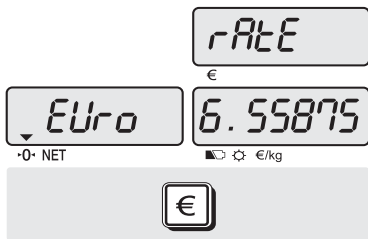
a. Saving Euro rate




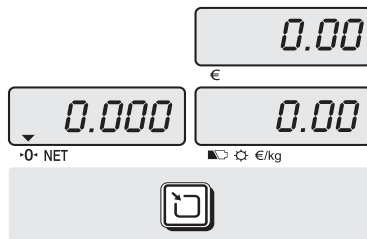
Press the  key.




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

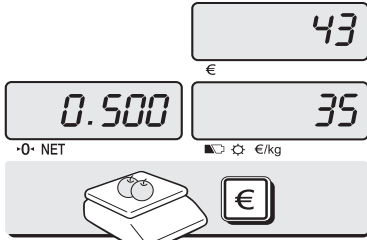



Enter appropriate euro rate. For example, enter €1 = 6.55878 (local currency). To move decimal point press  key five time in the total price display. You can't input '0' as euro rate value

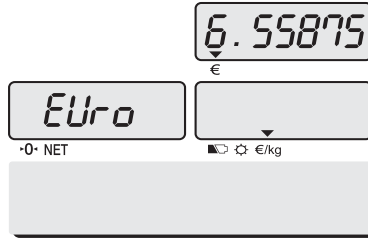


Press the  key to save it, then you will go to normal mode.

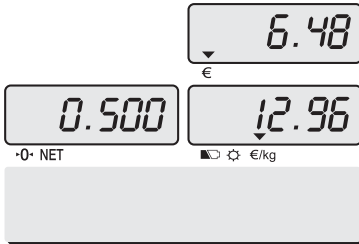
b. Switching Currency



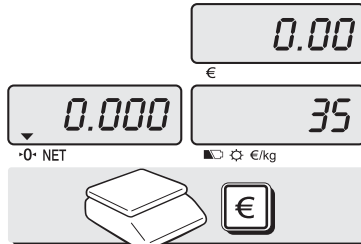
Place an item on the platter and press  key in the normal weighing mode.




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



Please make sure euro currency symbol is on.



Remove the item from the platter. and press  keys to go back to the normal weighing mode.

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

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

HIGH ORDER LOW 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

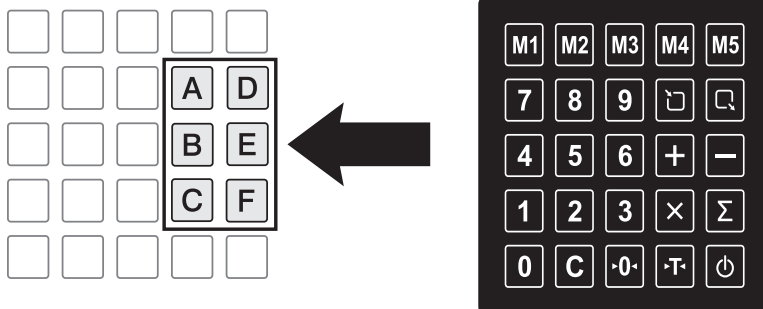


Table: Error Messages

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 short 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

Diagram : Serial Interface

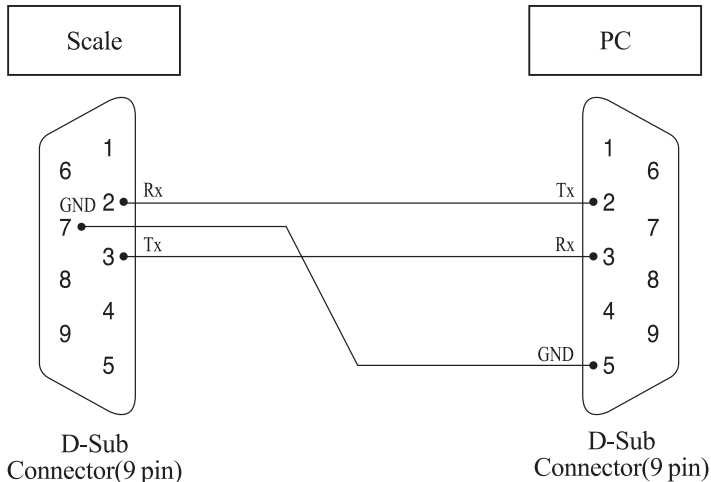


Table: SPECIFICATION

MODEL	ER ^{PLUS}		
CAPACITY	<u>Dual Interval</u> Max 3/6kg e = 1/2g	<u>Dual Interval</u> Max 6/15kg e = 2/5g	<u>Dual Interval</u> Max 15/30kg e = 5/10g
DISPLAY	ER ^{PLUS} : 5 / 6 / 6 (Weight/Unit Price/Total Price) ER ^{PLUS-M} : 6 / 6 / 8 (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)	Pole Type : 360 (W) x 350 (D) x 410 (H) Standard Type : 360 (W) x 350 (D) x 106 (H)		
PRODUCT WEIGHT	Pole Type : 5.5kg Standard Type : 4.7kg		
MINIMUM VOLTAGE LEVEL OF THE BATTERY	About 5.6V		
RECHARGEABLE 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
DRY BATTERY LIFE (ER^{PLUS-M})	LCD VERSION Approximately 150 hours (backlight off)	LED VERSION Approximately 30 hours	
BATTERY TYPE	ER ^{PLUS} : Pb battery, 6V 4Ah/20Hr ER ^{PLUS-M} : Pb battery, 6V 4Ah/20Hr / 1.5V C type dry battery * 6EA		
OPTIONS	Pole, Backlight(only LCD version),Battery(only VFD version)		

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

MEMO



MEMO

MEMO



ER^{PLUS} SERIES

Price Computing Scale



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