

RETAIL WEIGHING SOLUTION™

ER^{JR} SERIES

Price Computing Scale



CAS

www.globalcas.com

OWNER'S MANUAL

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PRECAUTIONS

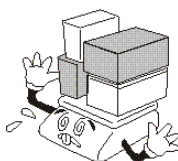
Warning

To ensure you get the most out of your scale, please adhere to these precautions during its installation and operation.

Do NOT disassemble the scale. For any defect or failure contact your CAS authorized dealer.



Do NOT exceed the maximum weight limit.



Scale must be grounded to minimize static electricity. This will also minimize the chance for electric shock and minimize defects.



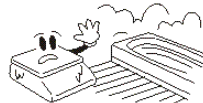
Do NOT pull the plug by its cord when unplugging. Damaged cord could cause electric shock or fire.



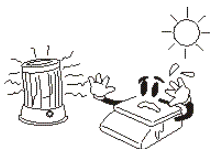
To prevent fire, do not place or use scale near flammable or corrosive gases.



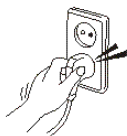
To reduce electric shock or inaccurate readings, do NOT spill water on the scale or place it in a humid location.



Avoid placing the scale near heaters or in direct sunlight.



To prevent electric shock, insert the plug firmly into the wall outlet.



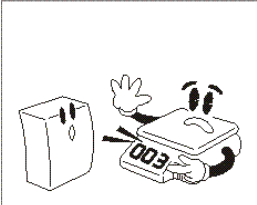
Use the proper Adapter. An Incorrect Adapter could damage the scale.



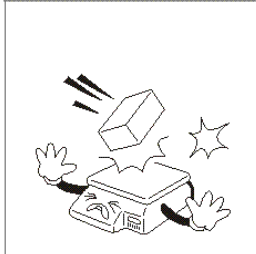
Attention

Make sure to plug your scale into the proper rated power outlet. For maximum performance, plug into a power outlet 30 minutes prior to usage to allow the scale to warm up.

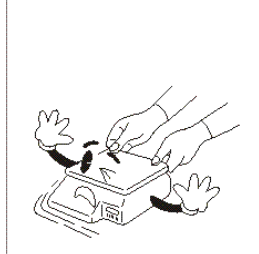
For consistent and accurate reading, have your scale checked periodically by your CAS Authorized Dealer.



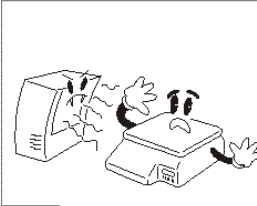
Avoid sudden shock to the scale.



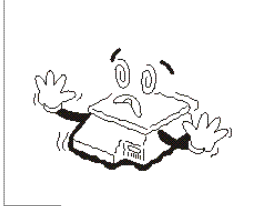
Grab on the bottom of the scale when moving.



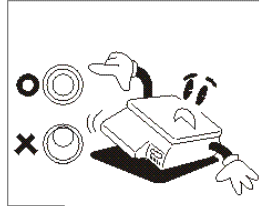
Keep the scale away from other electromagnetic generating devices. This may interfere with accurate reading.



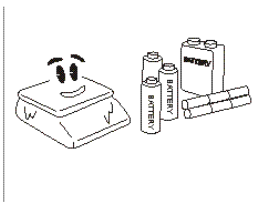
Place the scale on firm, stable platform and in a temperature consistent environment.



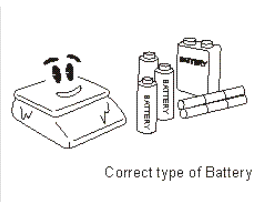
By adjusting 4 legs of the scale, make sure the scale is level. Use the built in scale leveling indicator.



Remove the batteries when the scale is not used for a long time. Leakage from the batteries may be hazardous.



There is a risk of explosion if the batteries are replaced with an incorrect type. Dispose of batteries in accordance with local regulations.



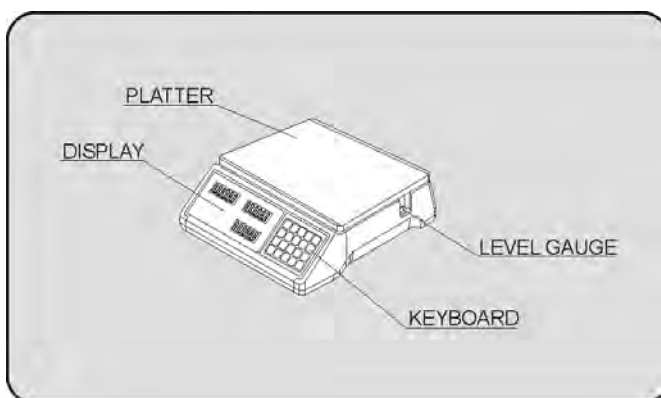
Correct type of Battery

PREFACE

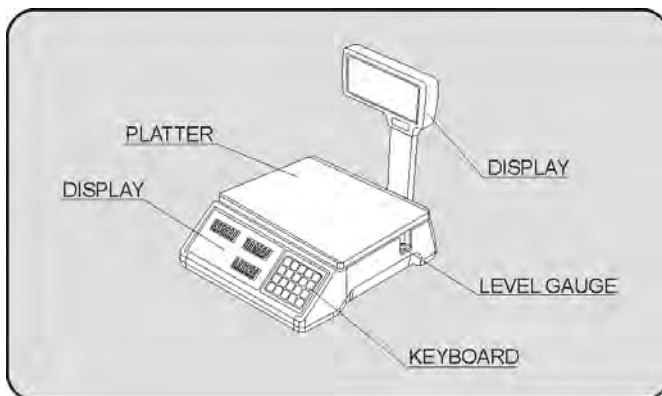
Thank you for purchasing the CAS ER^{JR} scale. CAS scales are designed and produced under rigid quality control to deliver outstanding performance, reliability and long life. This manual will help you with the proper operation and care of your new CAS ER^{JR}. Please review the ER^{JR} scale manual before you use the scale and keep it handy for future reference.

OVERALL VIEW

STANDARD TYPE

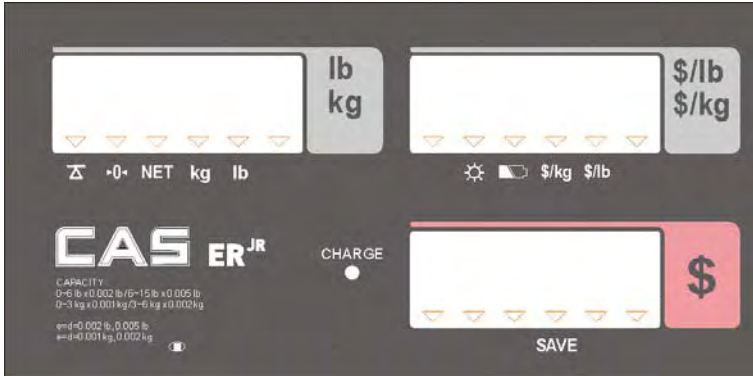


POLE TYPE

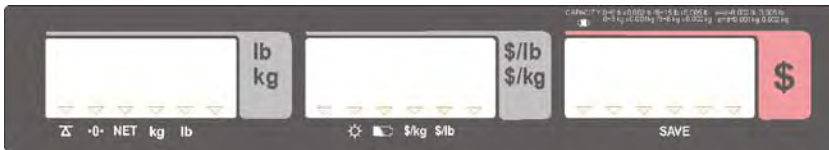


DISPLAY & KEYBOARD

Front Display



Rear Display








KEYBOARD



■ Table : Key Functions

KEYS	FUNCTIONS
0 ~ 9	Numbers import
M1 ~ M3	Direct PLU keys
*	Print key, Function key, PLU restore, Push more than 2 second when using PLU Restore mode
kg/lb	Used to switch from kg to lb
C	To clear data
ZERO	To set zero
TARE	To set up or clear tare value
SAVE	To save the unit price and/or tare
ON OFF	To turn on/off the scale or backlight

■ Table : Symbols on Display

SYMBOL	DESCRIPTION
 (▼)	Weight steady
	To adjust zero
NET (▼)	Tare on
 (▼)	Backlight on
 (▼)	Low power warning
SAVE (▼)	To indicate the SAVE feature is turned on
	Charge status

OPERATIONS

Programming Mode

Chapter 1. Basic Operation

- a. To turn on/off scale
- b. To turn on/off backlight
- c. Zero function
- d. Tare function
 - One time tare
 - Successive tare

Chapter 2. PLU Saving & Calling-up

- a. Saving unit price on PLU
- b. Saving a tare with PLU
- c. Saving PLU name (option)
- d. Calling up PLU

Chapter 3. User' s Set-up Mode

- a. Auto power - off
- b. Backlight ON/OFF function
- c. Brightness function
- d. Low battery backlight auto off function
- e. Selecting the printer
- f. Save a tare with PLU

Chapter 4. Formatting Printing Receipt

- a. Using Printer
- b. Receipt header setting
- c. Receipt currency unit setting
- d. Receipt date setting

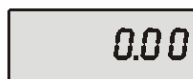
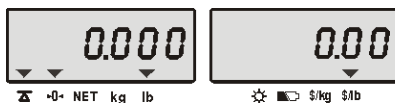
Sales mode

Chapter 5. Sales transaction

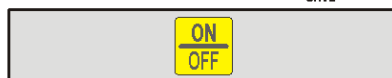
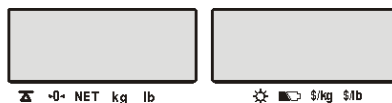
- a. Input the unit price through the number key
- b. Input the unit price through calling up the PLU
- c. Save key

Chapter 1. Basic Operation

a. To turn on/off the scale

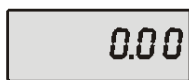
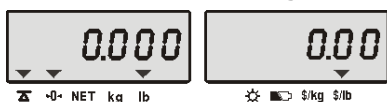


① Press the **ON/OFF** key to turn on.

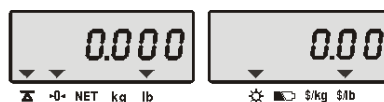


② Press the **ON/OFF** key for a few seconds to turn off.

b. To turn on/off the backlight

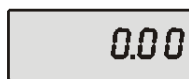
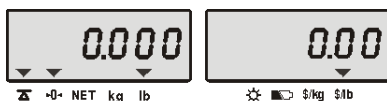


① Press **ON/OFF** key for a few seconds under the power on.



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

c. Zero function

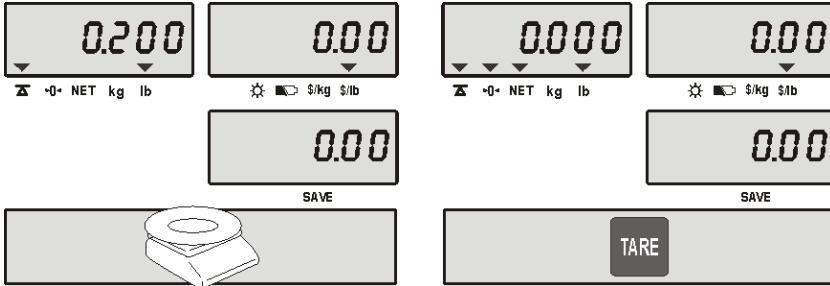


① Press **ZERO** key to set Zero

d. Tare function

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

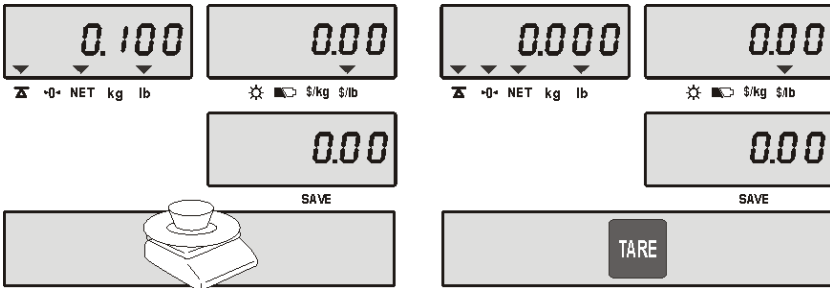
■ One time tare



- ① Place a container on the platter.
EX) .200 lbs of tare.

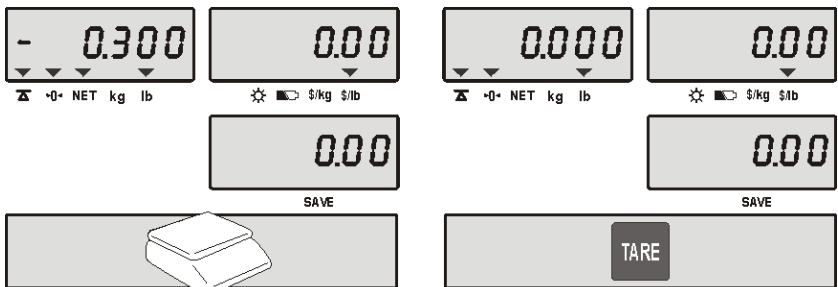
- ② Press **TARE** key to set zero point.
EX) .200 lbs of tare.

■ Successive tare



- ③ Place another container on the platter. EX) .100 lbs of tare.

- ④ Press **TARE** key to set zero point.



- ⑤ After weighing item remove all of the containers from the platter.

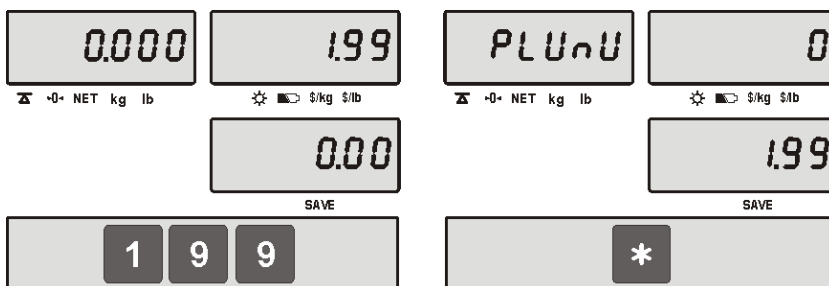
- ⑥ Press **TARE** key again to set zero.

Chapter 2. PLU Saving & Calling-up

a. Saving unit price on PLU

This section explains how to save unit price in a PLU.

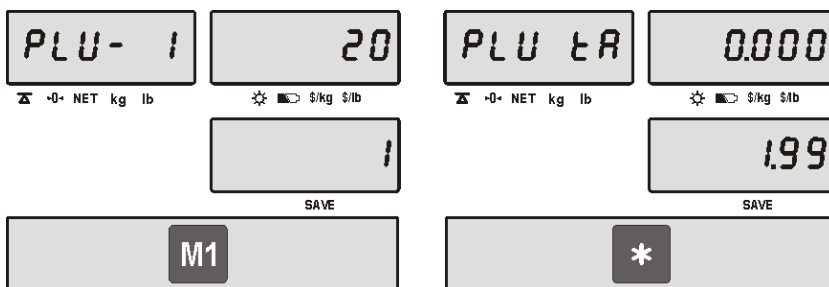
	Number of PLU	Range	Remarks
PLU name	3	1~3	



① Press number key to input unit price you wish to have. EX)1.99

② Press ***** key for a few seconds to save the PLU 's unit price

Note: The scale weight display must be at 0.00 for the *** key to work.**



③ Press the PLU key (M1-M3) to assign the PLU.

Press the ***** key for a few seconds to continue programming or press the **TARE** key to return to the weigh mode.

④ Key in TARE value. Press the ***** key for a few seconds to return to the weigh mode or continue to program the PLU name.

Note: The "Save TARE with PLU" feature must be enabled in the User Settings.

c. Saving PLU name (Option)

- **C** key is used to input, save a character, and move to next character (or byte).
- **TARE** key is used to move next programming menu.

① Input the appropriate ASCII codes to save the PLU name.

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 a maximum 8th byte to automatically exit to normal weighing mode.

d. Calling up PLU

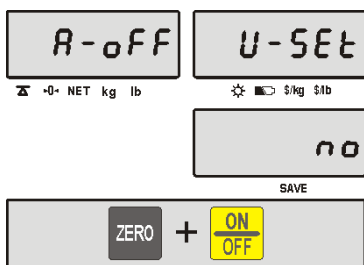
① Press **M1** ~ **M3** key to call up a PLU.
EX) Press the **M1** key.

② Press **C** key to clear the PLU and return to the normal weighing mode.

Chapter 3. User's Set-up Mode

This section explains how to set up the following functions.

Functions	Options	Remarks
a. Auto power-off	NO / 10 / 30 / 60	
b. Backlight ON/OFF	OFF / ON / 3 / 5 / 10	
c. Brightness function	1 ~ 7	Default 3
d. Low battery backlight auto off	OFF / ON	
e. Printer selection	NON/DEP-50/DLP-50	



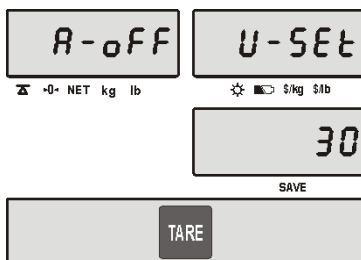
① To get into "User's Set-up Mode", with the scale power OFF, press **ON/OFF** key while pressing and holding the **ZERO** key.

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

a. Auto power-off

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

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.	

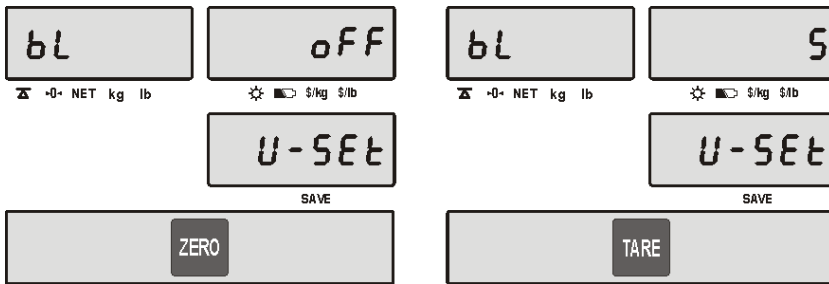


① Select an option you wish to have by using **TARE** key. Ex) 30 (minutes).

b. Backlight ON/OFF function

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

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.	

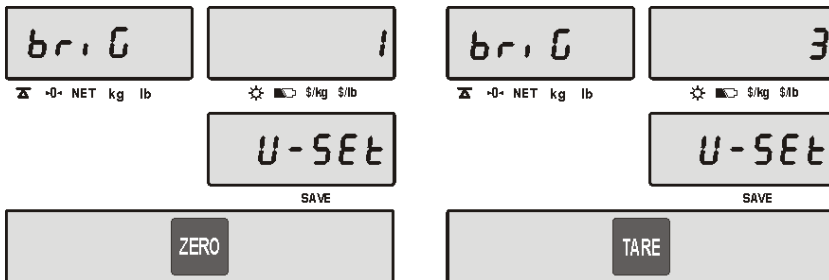


① Press **ZERO** key to move the next function setting, backlight **ON/OFF**.

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 function

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

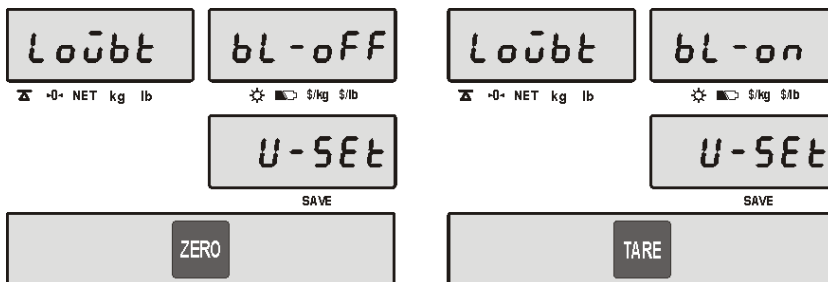


③ Press **ZERO** key to move the next function setting, backlight brightness.

④ Press **TARE** key to select brightness (1~7).

d. Low battery backlight auto off function

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



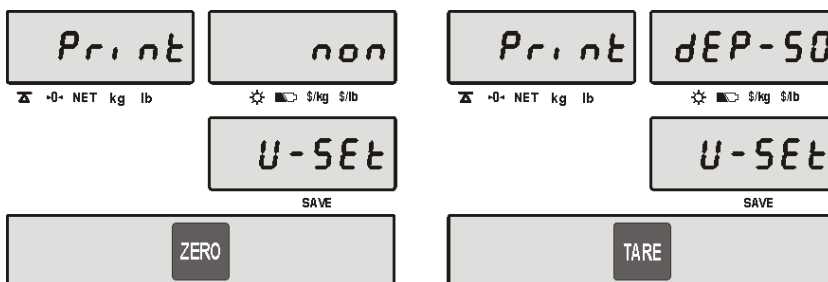
① Press **ZERO** key to move next function setting, low battery backlight auto off.

② Press **TARE** key to select backlight on/off.

e. Selecting the printer

This section explains how to select the printer option when you'd like to use a printer connected to the ER^{JR}.

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

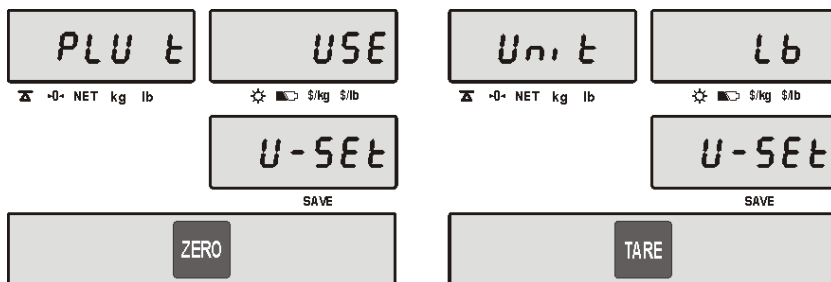


① Press **ZERO** key to move next function setting, selecting the printer.

② Select the printer you're using with ER^{JR} by pressing **TARE** key. EX) DEP-50

f. Use TARE with PLU

This section explains how to set Use TARE with PLU. If you want to assign a TARE Weight in a PLU use this setting.



① Press **ZERO** key to move next function setting, Use TARE with PLU.

② Use the **TARE** key to select Kg or Lb. Press the **ZERO** key and scale will reboot.

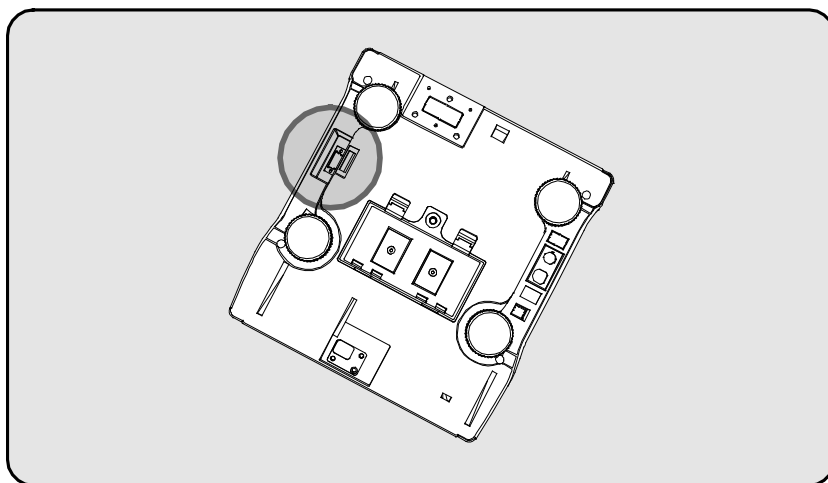
Chapter 4. Formatting Printing Receipt

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	To input currency symbol or characters you wish to have on the receipt.	Maximum 8 characters
DATE	To input date on the receipt.	

a. Using Printer

Please connect your printer to RS-232C port, which is located at the gray part on the picture, using RS-232C 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 information he/she wishes to have on the receipt.

XX 01 XX 04

☒ -0- NET kg lb ☼ \$/kg \$/lb ☒ -0- NET kg lb ☼ \$/kg \$/lb

HEAD1 HEAD1

SAVE SAVE

C + ON/OFF 43C 41C 53C

① Hold down **C** key and press **ON/OFF** key under the scale power off. "01" on the "Unit Price" display represents that you are ready to input the first character.

② Input appropriate ASCII codes (page 30) you wish to have. Ex) CAS.

XX 01 131 08

☒ -0- NET kg lb ☼ \$/kg \$/lb ☒ -0- NET kg lb ☼ \$/kg \$/lb

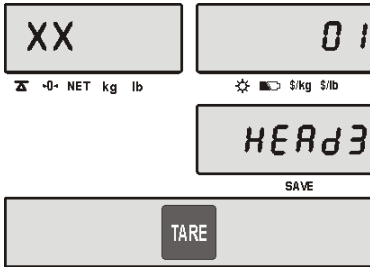
HEAD2 HEAD2

SAVE SAVE

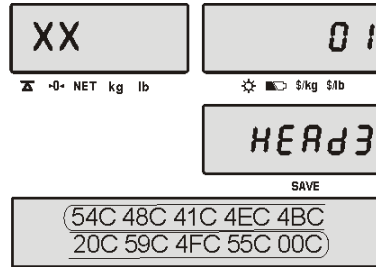
TARE 38C 32C 30C 5FC 31C 31C 31C 31

③ To save line 1 and go next header line press the **TARE** key.

④ Using ASCII code you can input appropriate data on Header line 2. Ex) 820-1111

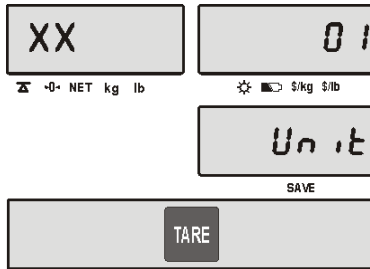


⑤ To save it and go to the next header line press **TARE** key.

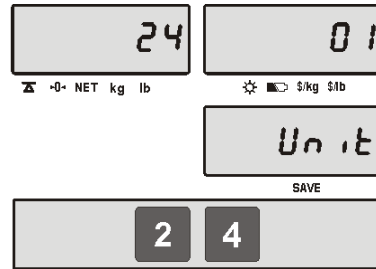


⑥ Using ASCII code you can input appropriate data on Header line 3.
Ex) THANK YOU

c. Receipt currency (unit) setting

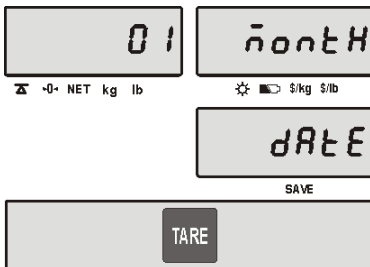


① Initial currency (unit) display status.

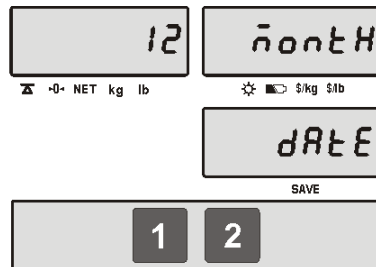


② Using ASCII code you can input appropriate character or currency symbols on UNIT. Ex) \$

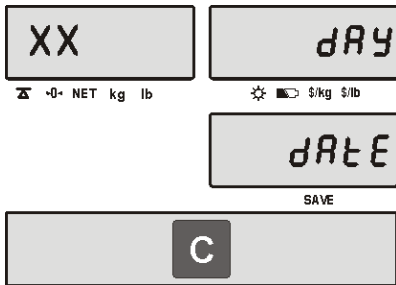
d. Receipt date setting



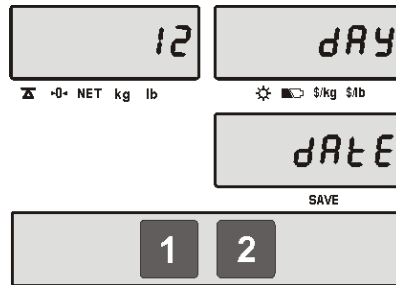
① To save it and go to "Initial DATE display" status press **TARE** key.



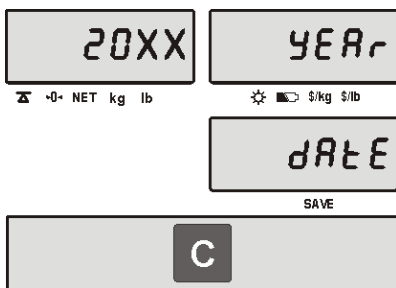
② Input appropriate month you wish to have, not using ASCII code.
Ex) 12 (December)



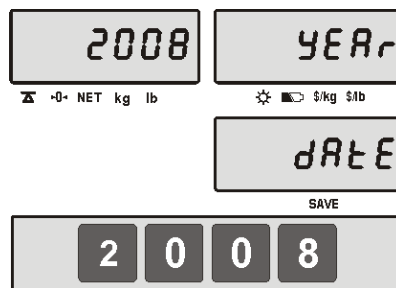
③ Press **C** key to go to next "DAY" setting.



④ Input appropriate day you wish to have, not using ASCII code.
Ex) 12th day



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



⑥ Input appropriate year you wish to have, not using ASCII code. Ex) Year 2008

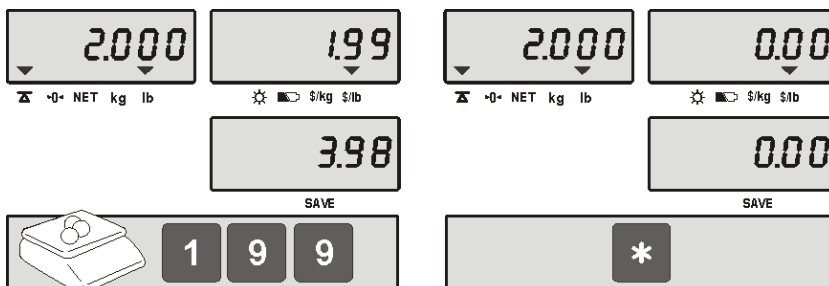
• If you press the **C** or **TARE** key you can automatically go to the normal weighing mode.

Chapter 5. Sales transaction

ER^{JR} can provide inputting the unit price through the numeric key and calling up PLU.

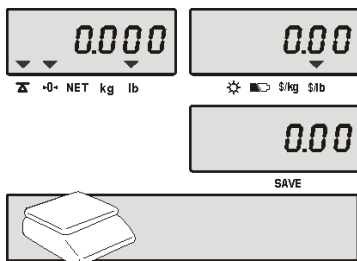
a. Input the unit price through the numeric key

This section explains how to input the unit price through the numeric key and complete the sales transaction.



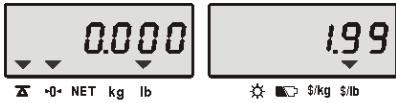
① Place an item on the platter and press appropriate numeric keys to input unit price. EX) 1.99 for unit price.

② If you press * key and the scale is connected to a printer, sale transaction data will be printed out.



③ Remove the item from the platter.

b. Input the unit price through calling up PLU



SAVE

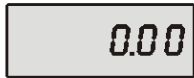
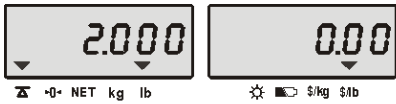


SAVE

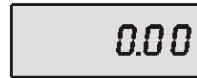


① Press **M1~M3** key can call up the PLU. EX) **M1**

② Place an item on the platter.



SAVE



SAVE



③ If you press ***** key and the scale is connected to a printer, sale transaction data will be printed out.

④ Remove the item from the platter.

& SPECIFICATION

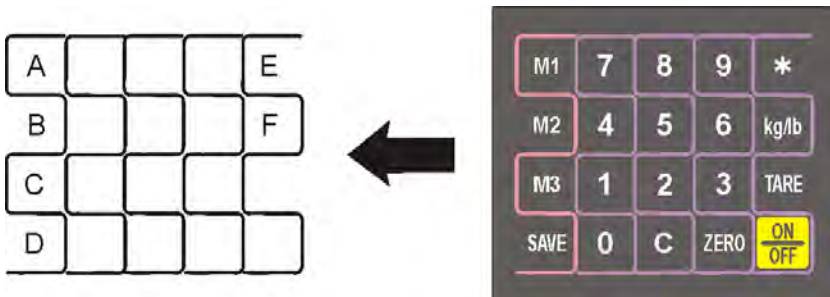
■ Table : Error Message

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.
"Err 13"	The "Err 13" 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: ASCII Code

HIGH ORDER LOW ORDEK	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 : SPECIFICATION

MODEL	ER ^{JR}		
CAPACITY	<i>Dual Interval</i>	<i>Dual Interval</i>	<i>Dual Interval</i>
	Max 6/15 lb e= .002 lb/.005 lb	Max 15/30 lb e= .005 lb/.01 lb	Max 30/60 lb e= .01 lb/.02 lb
	Max 3/6kg e = 1/2g	Max 6/15kg e = 2/5g	Max 15/30kg e = 5/10g
DISPLAY	5 / 6 / 6 (Weight/Unit Price/Total Price)		
SYMBOL ON DISPLAY	Charge, Stabilization, Zero, Tare, Low battery, Sum, Backlight		
MAXIMUM TARE	6.612 lb	13.223 lb	33.058 lb
	- 2.999 kg	- 5.998 kg	- 14.995 kg
OPERATING TEMPERATURE	-10°C ~ +40°C		
POWER SOURCE	12V DC Adaptor		
POWER CONSUMPTION	Approximately LCD Type 7W(Charging)		
PLATTER SIZE (mm)	290(W) x 209(D)		
PRODUCT SIZE (mm)	304(W) x 324(D) x 112(H)		
PRODUCT WEIGHT	3.3kg		
MINIMUM VOLTAGE LEVEL OF THE BATTERY	About 5.6V		
BATTERY LIFE	When battery is charged for 12 hours		
	Approximately 200 hours (backlight off)		
BATTERY TYPE	Pb battery, 6V 3.6Ah/20Hr		
OPTIONS	Pole, Backlight,RS-232C		

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

MEMO



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ER^{JR} SERIES

Price Computing Scale



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