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PRECAUTIONS

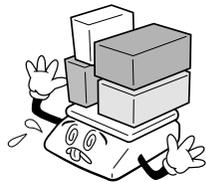
Precautions when installing the scale. To ensure that you get the most from your scale, please follow these instruction.

Warning

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.



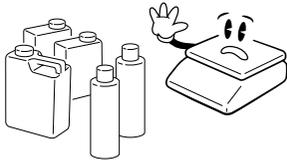
Scale must be grounded to minimize electricity static. This will minimize defect or electric shock.



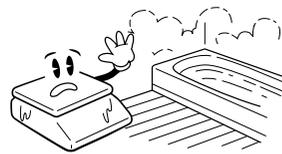
Do not pull the plug by its cord when unplugging. Damaged cord could cause electric shock or fire.



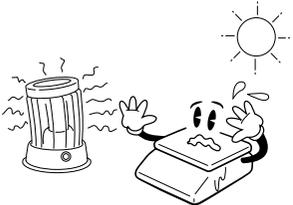
To prevent from fire occurring, Do not place or use the scale near flammable or corrosive gas.



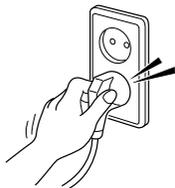
To reduce electric shock or incorrect reading, Do not spill water on the scale or place it in humid condition.



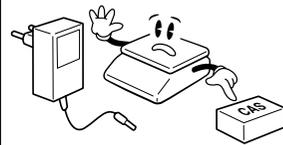
Avoid placing the scale near heater or in direct sunlight.



Insert plug firmly to wall outlet to prevent electric shock.



Use proper Adapter. Inccorred adapter could damage the scale.



WARNING

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

Attention

For consistent and accurate reading, maintain periodical check by your CAS authorized dealer.



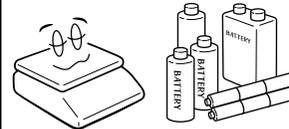
Avoid sudden shock to the scale. Internal mechanism could be damaged.



Grab on the bottom of the scale when moving. Do not hold by the platter.



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



Place the scale on firm and temperature consistent environment.



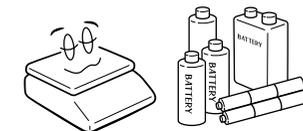
By adjusting 4 corners of the scale, set the scale even using the built in scale leveling indicator.



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



Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instruction.



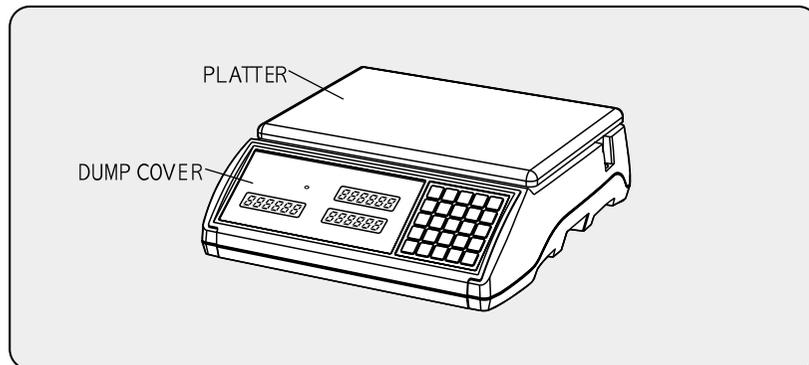
Correct type of battery

PREFACE

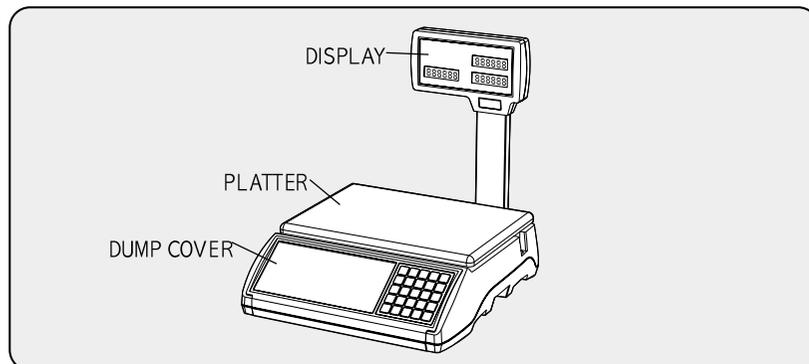
Thank you for purchasing your CAS S2000Jr. scale.
CAS scales are designed and produced under rigid quality control to deliver outstanding performance, reliability and long life.
This manual will help you with the proper operation and care of your new CAS S2000Jr.
Please review the S2000Jr. scale manual before you use the scale and keep it handy for future reference.

OVERALL VIEW

STANDARD TYPE



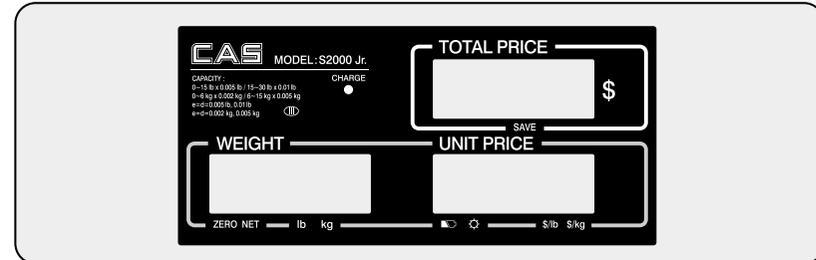
POLE TYPE



DISPLAY & KEYBOARD

LCD STANDARD TYPE : Front Display

LCD POLE TYPE : Front / Rear Display

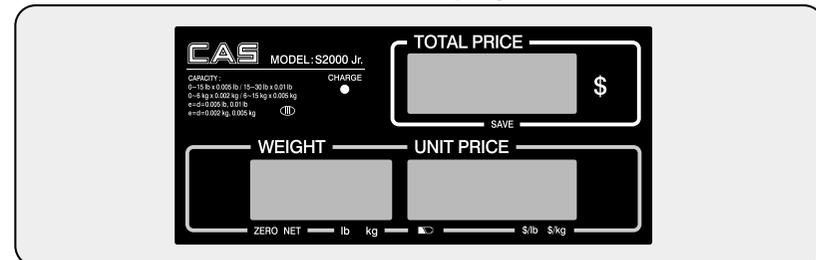


LCD STANDARD TYPE : Rear Display

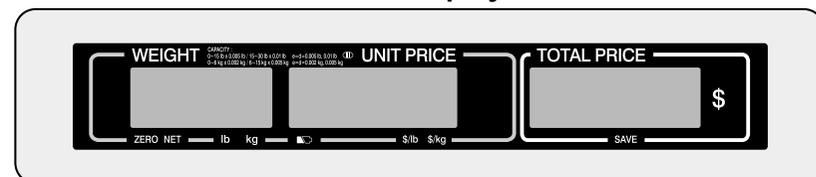


VFD STANDARD TYPE : Front Display

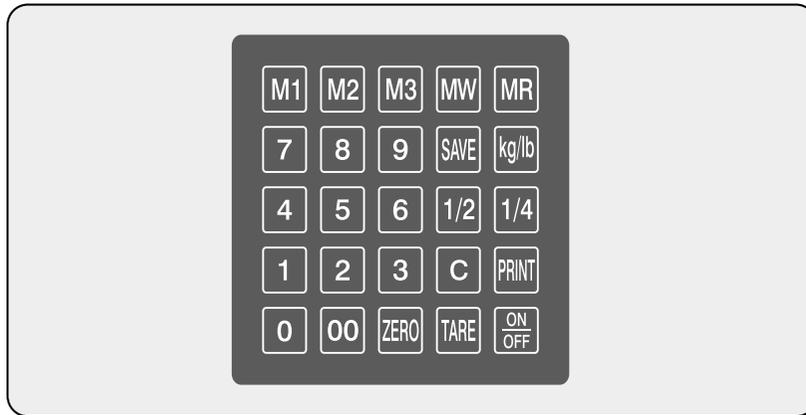
VFD POLE TYPE : Front / Rear Display



VFD STANDARD TYPE : Rear Display

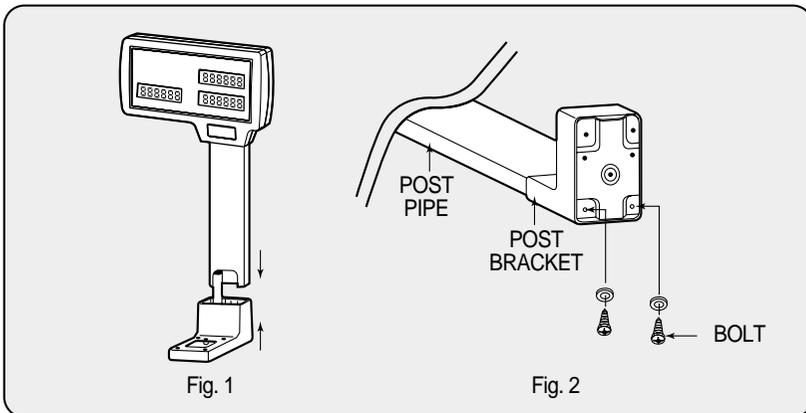


KEYBOARD



INSTALLATIONS

1. Insert the post pipe into a post bracket as Fig. 1
2. Insert and fasten two display assembly screws as Fig. 2



■ Table : Key Functions

KEYS	FUNCTIONS
0 00 ~ 9	To input all of numerical data
M1 ~ M3	Direct PLU keys
MW	To save PLU
MR	To call up PLU
C	To clear data
ZERO	To set zero
TARE	To set or clear tare value
ON/OFF	To turn on & off the scale or backlight (LCD version only)
SAVE	Used to prevent the auto clearing of unit price and weight both
kg/lb	Used to convert a kilogram and pound
1/2	Used to convert a unit price to a half pound
1/4	Used to convert a unit price to a quarter pound
PRINT	Used to print out a label

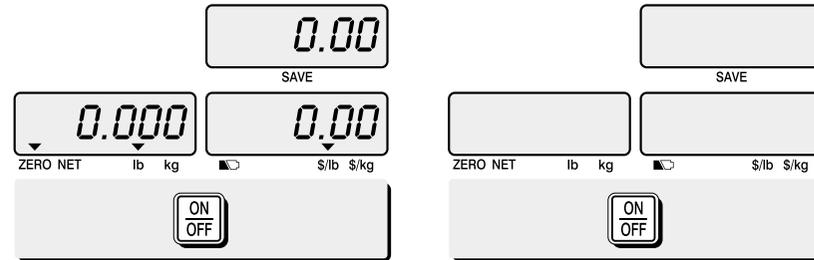
■ Table : Symbols on Display

SYMBOLS	DESCRIPTION
ZERO (▼)	Zero on
NET (▼)	Tare on
☀ (▼)	Backlight on
🔋 (▼)	Low battery warning
lb (▼)	lb mode on
kg (▼)	kg mode on
\$/lb (▼)	\$/lb mode on
\$/kg (▼)	\$/kg mode on
SAVE (▼)	Save on

OPERATIONS

Chapter 1. Basic Operation

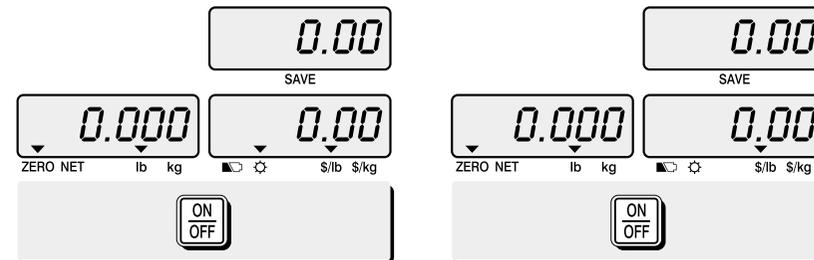
a. Turning the scale on / off



① Press ON/OFF key to turn on.

② Press ON/OFF key to turn off.

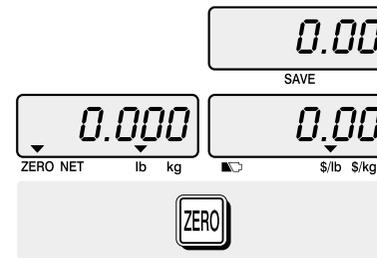
b. Turning the backlight on / off (option in LCD version only)



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

② Press ON/OFF key again under the backlight off.

c. Zero function

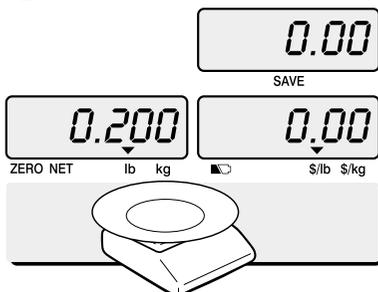


① Press ZERO key to set zero.

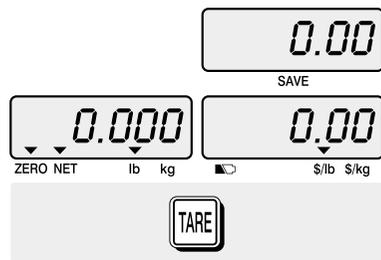
d. Tare function

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

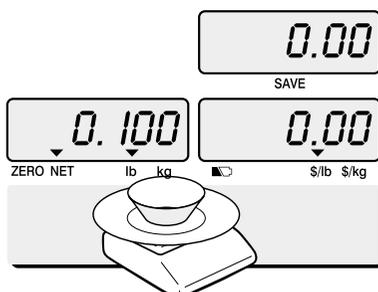


- ① Place a container on the platter.
Ex) 200 g of tare.

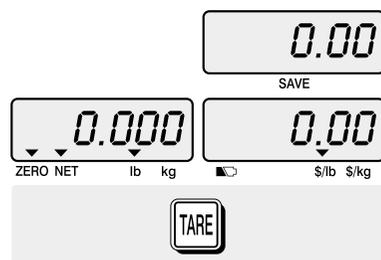


- ② Press "TARE" key to set zero point
Ex) 200 g of tare.

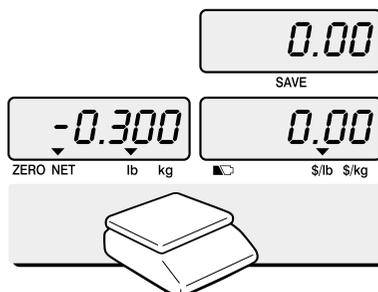
■ Successive tare



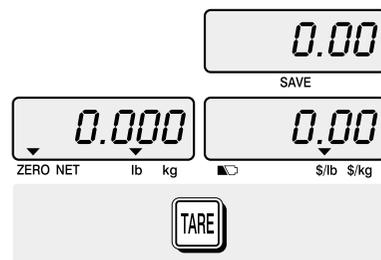
- ③ Place another container on the platter.
Ex) 100 g of tare



- ④ Press "TARE" key to set zero point

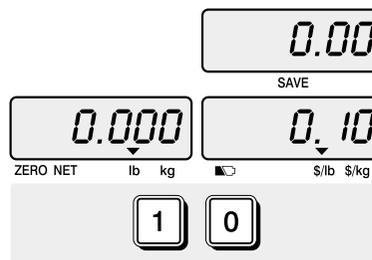


- ⑤ After weighing item remove all of the container from the platter.

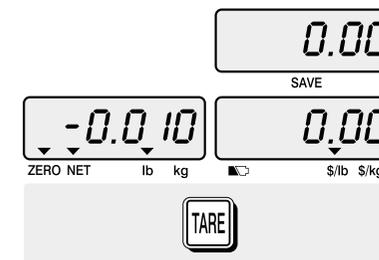


- ⑥ Press "TARE" key again to set zero.

■ Preset tare



- ① Press appropriate numeric keys. Ex) 10 g



- ② Press "TARE" key to set zero.

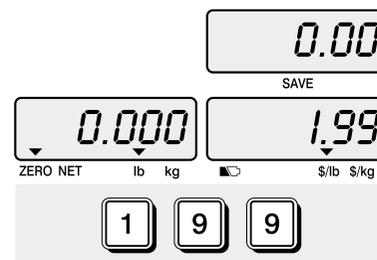
Chapter 2. PLU Saving & Calling-up

a. Saving unit price on PLU

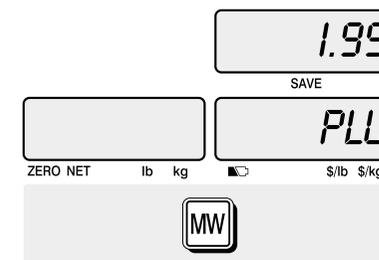
This section explains how to save unit price in PLU.

	Number of PLU	Range	Remarks
PLU	199	1-199	
PLU W/Name (Option)	28	1-28	8 Characters / PLU

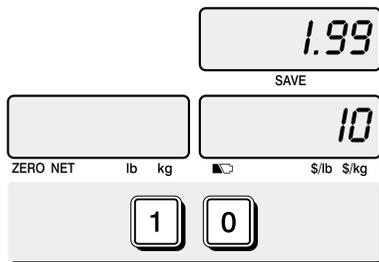
- Number of direct PLU may be different on product model.
- "C" key is to clear data input.



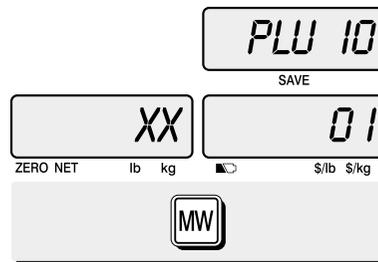
- ① Press numeric key to input unit price you wish to have. Ex) 1.99



- ② Press "MW" key.



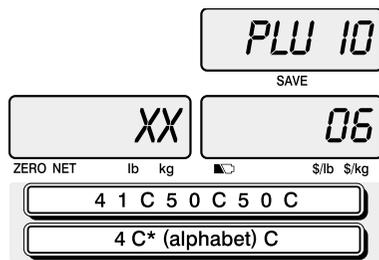
③ Press numeric key to input a PLU address.
Ex) PLU 10.



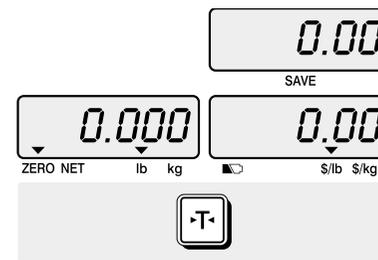
④ Press "MW" key to save it.

b. Saving PLU name (option)

- If you have "28 PLU name inputting option" you may save the name of PLU for 1~28.
- "C" key is to input, save a character, and move to next character (or byte).
- "ZERO" key is to move previous character (or byte).
- "TARE" key is to move next programming menu.

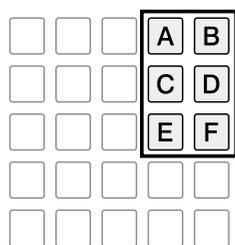


⑤ Input appropriate ASCII codes to save the PLU name. Ex) "APPLE" is "4, 1, C, 5, 0, C, 5, 0, C, 4, C, C, 4, 5, C"



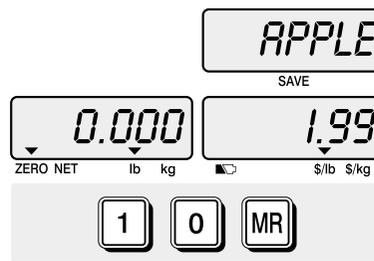
⑥ Press TARE key to exit to normal weighing mode or C key up to maximum 8th byte. Then automatically exit to normal weighing mode.

- Please refer to "Alphabetic key location".

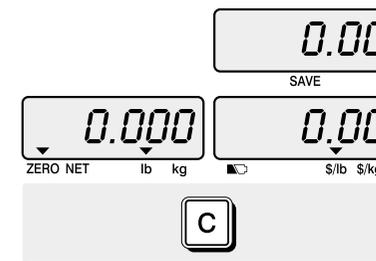


c. Calling up PLU

- Indirect PLU

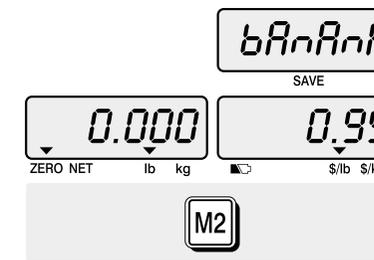


① To call up indirect PLU saved just press appropriate numeric keys (address) and "M ▶" key. Ex) PLU 10

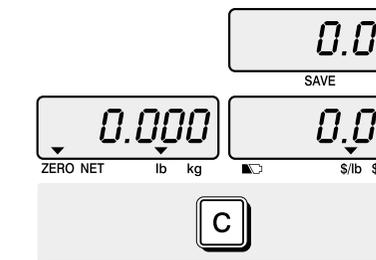


② To go back to normal weighing mode press "C" key.

- Direct PLU (M1~M3)



① To call up direct PLU saved just press appropriate direct PLU key. Ex) PLU 2

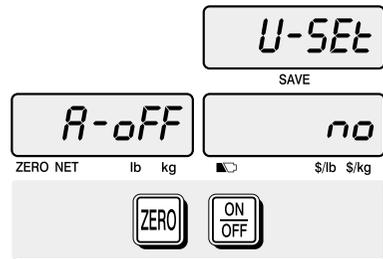


② To go back to normal weighing mode press "C" key.

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. lb/kg mode selection	lb / kg / lb kg	
3. EL Backlight ON/OFF	OFF / ON / 3 / 5 / 10	When backlight option selected in LCD version only
4. Printer selection	NON / DLP-50	



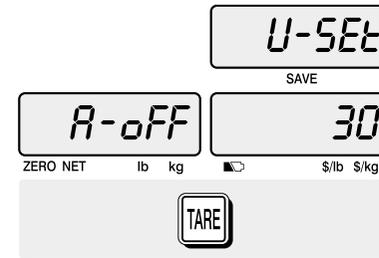
① Hold down ZERO key as press the ON/OFF key.

- 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 the auto power-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.	

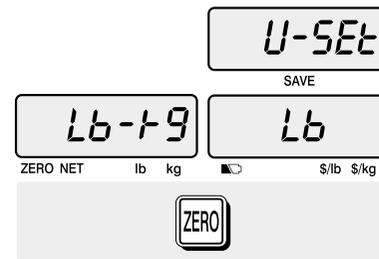


① Select a option you wish to have by using “TARE” key. Ex) 30 (minuets)

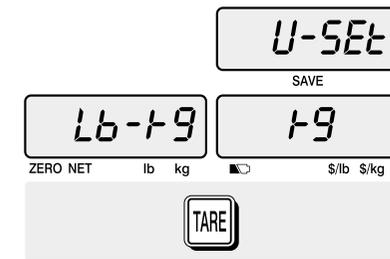
b. lb/kg mode selection

This section explains how to set lb, kg, lb/kg mode.

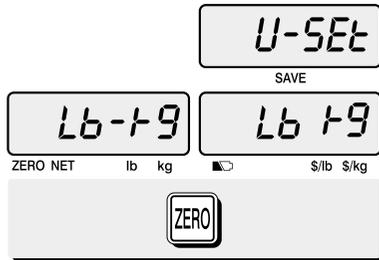
Functions	Description	Remarks
1. lb	lb mode	(kg/lb convert key Disabie)
2. kg	kg mode	(kg/lb convert key Disabie)
3. lb/kg	lb/kg mode	(kg/lb convert key Enable)



① Press “ZERO” key to move next function setting, LB/KG mode. (Default : LB mode)



② Use “TARE” key to select KG mode.



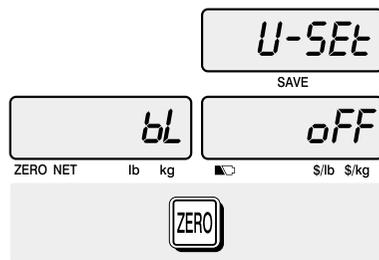
③ Use "TARE" key to select LB KG mode.

c. EL backlight ON/OFF function

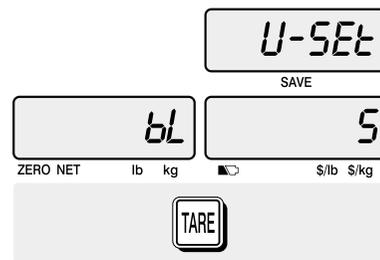
(option in LCD version only)

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

Options	Description	Remarks
OFF	Backlight OFF	
ON	Backlight 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 next function setting, EL Backlight ON/OFF.

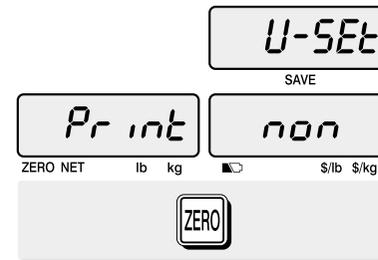


② Use "TARE" key to select one of backlight auto power-off option or EL Backlight ON/OFF. Ex) Select 5 seconds auto power-off option.

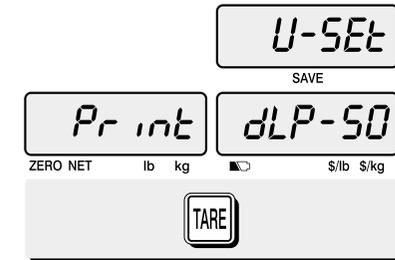
d. Selecting the printer

This section explains how to select the printer option when you'd like to use the printer connected to S2000 Jr series.

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

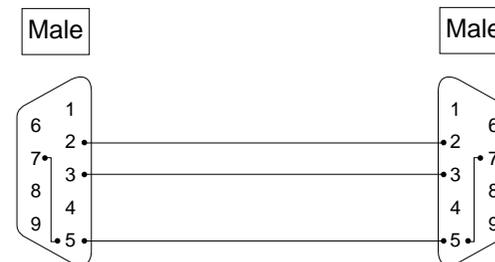


① Press "ZERO" key to move next function setting, Printer.

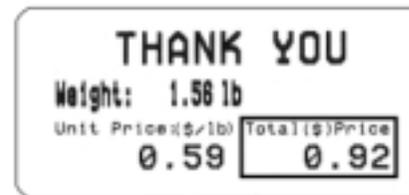


② Select the printer you're using with ER by pressing "TARE" key. EX) DLP-50

e. Cable pin layout



* Jump the pin #5 to #7 on both side



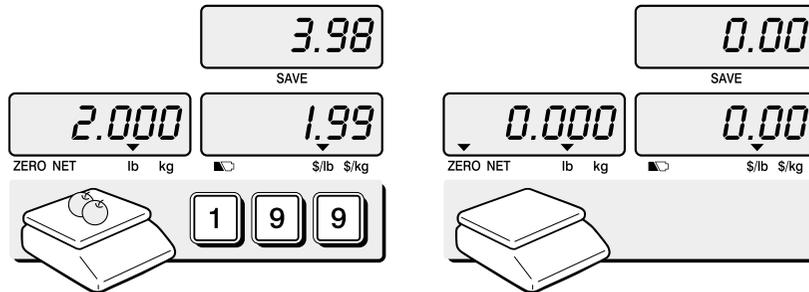
Label Sample 1

Chapter 4. Sales Transaction

S2000Jr series may make a sales transaction either with free price or with PLU.

a. Sales with free price (hand pricing)

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

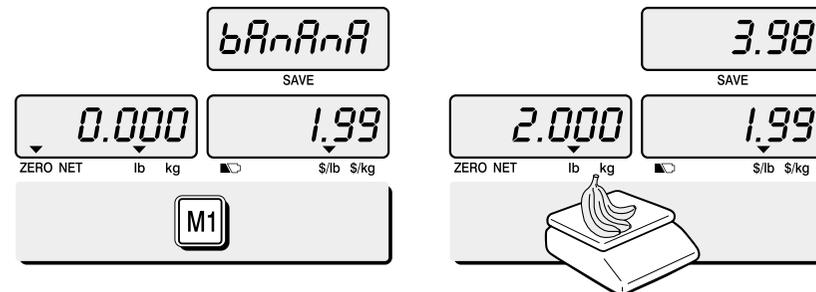


- ① Place an item on the platter and press appropriate numeric keys to input unit price.
Ex) 1.99 for unit price.

- ② Remove the item from the platter.

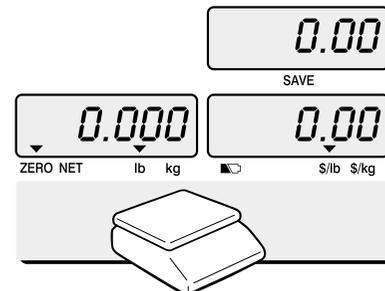
b. Sales using PLU (Price Look-Up)

Direct PLU



- ① Call up a direct PLU.
Ex) "M1"

- ② Place an item on the platter.



- ③ Remove the item from the platter.

Indirect PLU



- ① Call up an indirect PLU. Press "6" Key and "M" Key Ex) "PLU 6 for Kiwi".

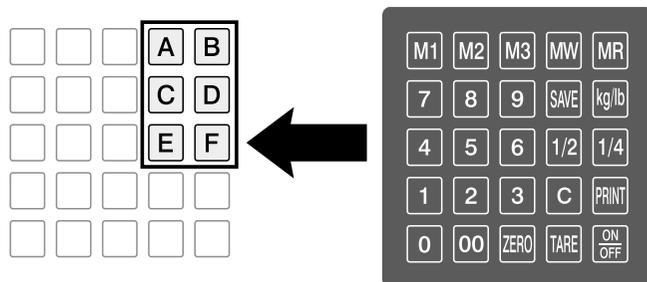
- ② Place an item on the platter.

- ③ Remove the item from the platter to go back to normal weighing mode.

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 keybarod

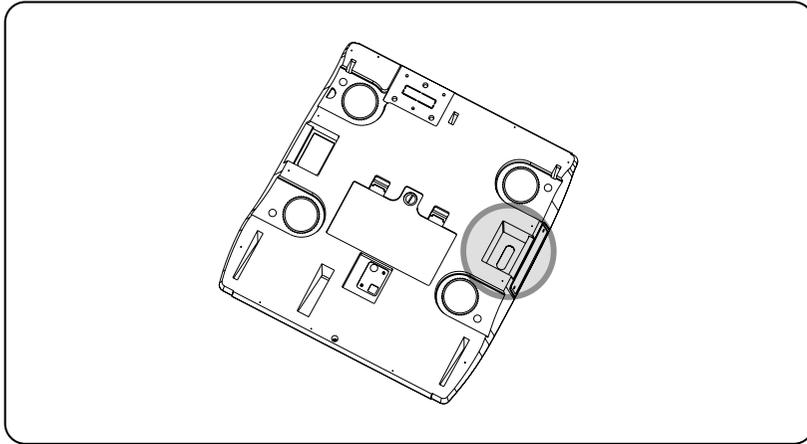


ERROR MESSAGES

Error Message on Display	Description	Solution
"Err 1"	The "Err 1" occurs when a current zero point has shifted from the last span calibration.	Please call your CAS dealer.
"Err 2"	The "Err 2" is not a real error. Only it prompts return CAL switch to the normal position.	Please call your CAS dealer.
"Err 10"	The "Err 10" means a failure of the analog module. Replace the analog module by a new one.	Please call your CAS dealer.
"Err 11"	The "Err 11" means a writing error of the internal nonvolatile memory. To recognize this error, be sure to check the voltage on the circuit and do calibration procedures.	Please call your CAS dealer.
"Err 12"	The "Err 12" warns that the scale has lost the parameters for weighing regulations or has lost the factors for a digital span calculation.	Please call your CAS dealer.
"Err 13"	The "Err 13" means the soft key code is broken.	Please call your CAS dealer.
"Help 1"	"Help 1" is marked in case of zero extent exceeded.	Please remove the item from the platter.
"Help 3"	"Help 3" is marked in case sale number of times exceeds 99.	Spend again accumulated TTP value after delete
"Help 4"	"Help 4" is marked in case Euro factor value is "0" at Euro rate application. "Help 4" is maked when input smaller Pay cost than Total sale amount of money at Pay function use.	Input again Euro factor value. Pay value than Total sale amount of money bigger value or same value input
"Help 5"	"Help 5" is marked when DTP number of times is more than 50000 times.	Spend again accumulated DTP value after delete
"o-L"	Overloaded	Please remove the item form the platter
"oUEr"	When total price exceeds 9999.99 this message is displayed with beep	Please input appropriate number within maximum capacity on the display
"LobAt"	Battery voltage is too low	Please plug in and recharge battery
"UnStb"	It occurs when user turns on the scale and it is in unstable environment.	Please move the scale to stable environment.

Picture 2 : Using Printer

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



SPECIFICATION

MODEL	S2000 Jr Series		
	S2000Jr-15	S2000Jr-30	S2000Jr-60
CAPACITY (lb)	0~6lb/0.002lb	0~15lb/0.005lb	0~30lb/0.01lb
	6~15lb/0.005lb	15~30lb/0.001lb	30~60lb/0.02lb
CAPACITY (kg)	0~3kg/0.001kg	0~6kg/0.002kg	0~15kg/0.005kg
	3~6kg/0.002kg	6~15kg/0.005kg	15~30kg/0.01kg
DISPLAY	VFD of LCD 5 / 6 / 6 (Weight/Unit Price/Total Price)		
SYMBOL ON DISPLAY	Power, Zero, Tare, Low Battery, Backlight, lb, kg, \$/lb, \$/kg, SAVE		
MAXIMUM TARE (kg)	5.998 kg	9.995 kg	29.99 kg
MAXIMUM TARE (lb)	2.999 lb	5.998 lb	9.995 lb
OPERATING TEMPERATURE	0°C ~+40°C		
POWER SOURCE	120VAC / 60 Hz		
POWER CONSUMPTION	Approximately VFD Type 10W, LCD Type 5W		
PLATTER SIZE (inch)	119.7 (W) X 86.6 (D)		
PRODUCT SIZE (inch)	141.7 (W) X 137.7 (D) X 41.7 (H)		
MINIMUM VOLTAGE LEVEL OF THE BATTERY	About 5.8V (LCD only)		
Battery Life (LCD type only)	Battery is charged for 12 hours, more than 120 hours (backLight off) Even if the battery is fully charged the CHARGE lamp is still "RED"		

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

MEMO