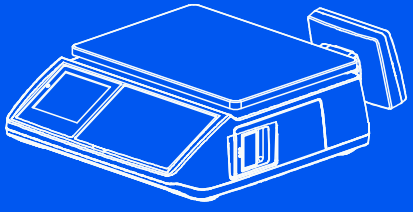
RETAIL WEIGHING SOLUTION™

CT100

Ticket Printing Scale



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OWNER'S MANUAL

CAS

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PRECAUTIONS

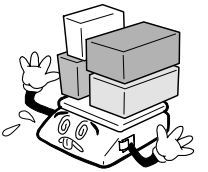
Warning

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.



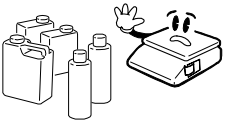
Scale must be grounded to minimize electricity static.

This will minimize defect or electric shock.

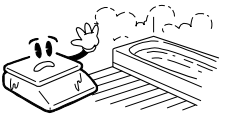
Do not pull the plug by its cord when unplugging.

Damaged cord could cause electric shock or fire.

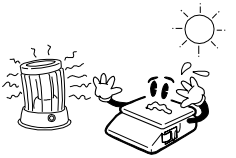
To prevent from fire occurring, Do not place or use the scale near flammable or corrosive gas.



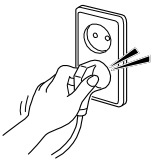
To reduce electric shock or incorrect reading, Do not spill water on the scale or place it in humid condition.



Avoid placing the scale near heater or in direct sunlight.



Insert plug firmly to wall outlet to prevent electric shock.



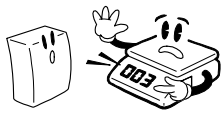
Use proper Adapter.

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.

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 comers of the scale, set the scale even using the built in scale leveling indicator.

Keep the scale away from other electromagnetic enerating devices.

This may interfere with accurate reading.

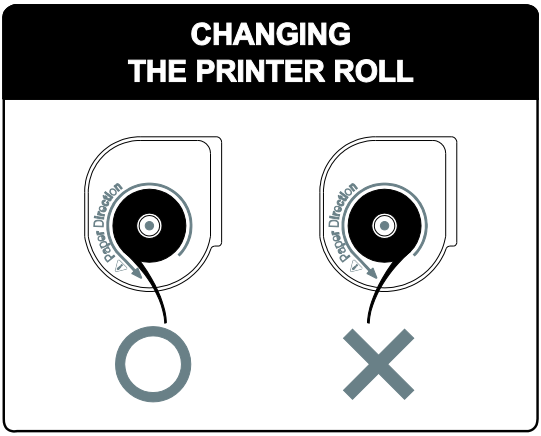
PREFACE

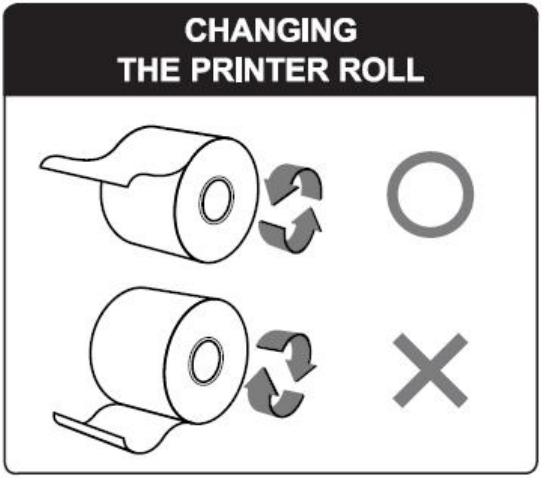
Thank you for purchasing your CT100.
CAS scales are designed and produced under rigid quality control to deliver outstanding performance, reliability and long life.
This manual will help you with the proper operation and care of your new CT100.
Please review the CT100 manual before you use the scale and keep it handy for future reference.

■ The Pb battery of product may not be fully charged. It is recommended to charge Pb battery using AC power before initial usage.

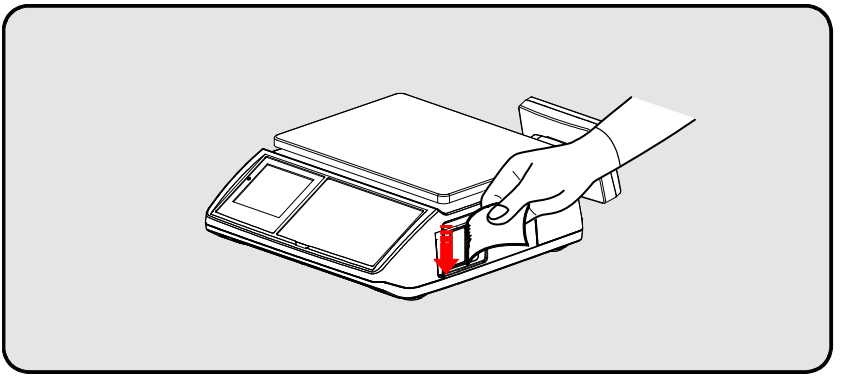
CHANGING THE PRINTER ROLL

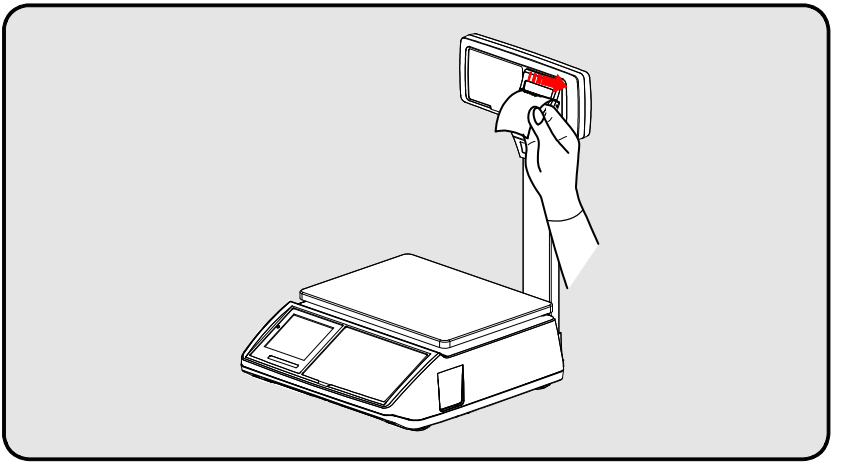
■ Recommended size for thermal paper;
58mm (Width) / 65 m(Thickness) / 60mm (Maximum Diameter)





■ It is recommended to tear off the ticket left to right.

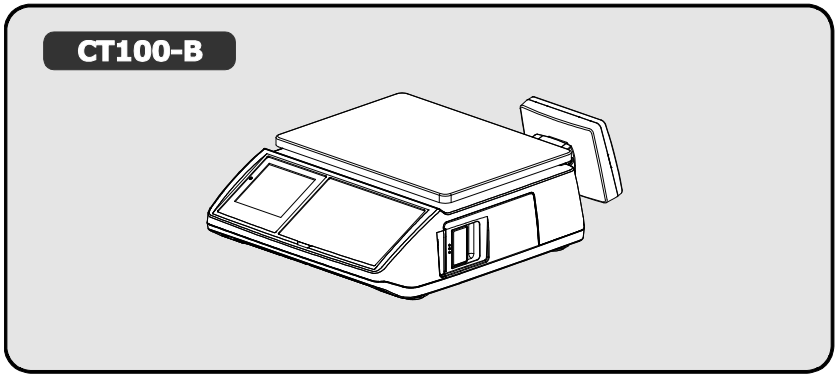




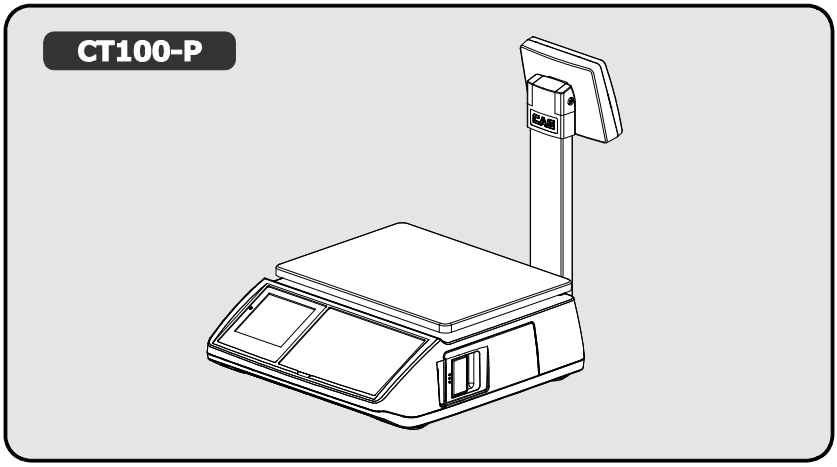
NAME AND FUNCTIONS

OVERALL VIEW

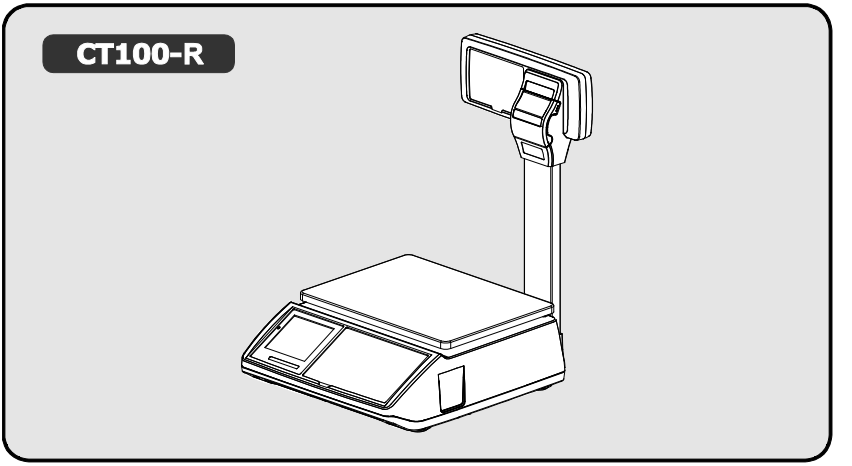
■ B TYPE



■ P TYPE

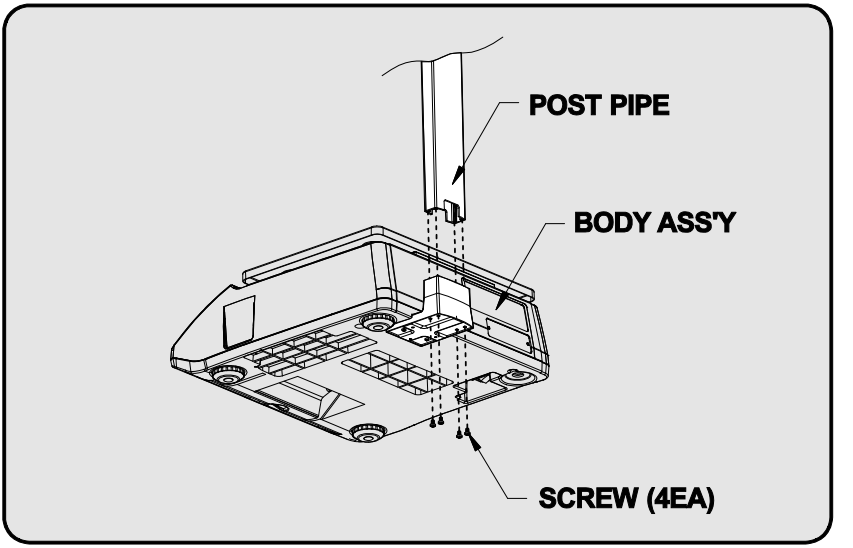


■ R TYPE



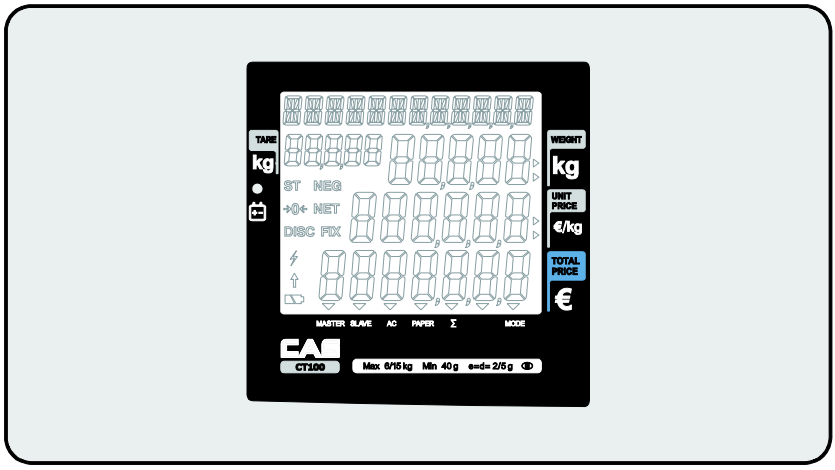
■ POLE TYPE INSTALLATIONS

- Insert the post pipe into a post bracket.
- Insert and fasten the display assembly screws.

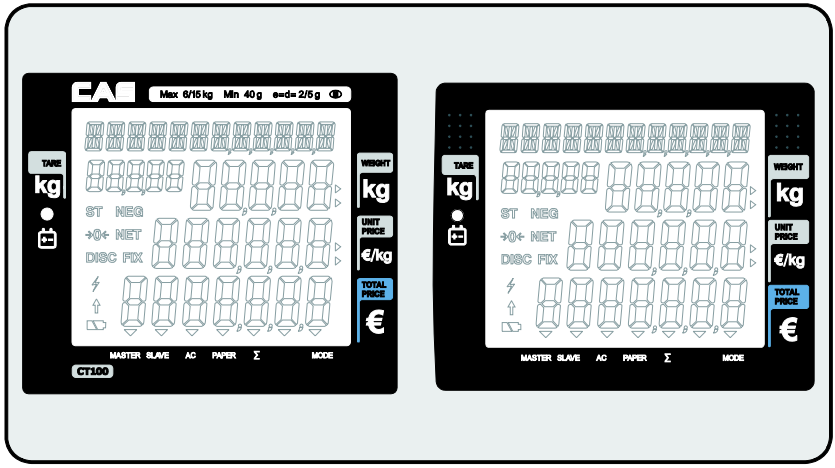


DISPLAY

■ Front(Clerk-side display) ex) 15kg Version



■ Pole Display ex) 15kg Version



KEYBOARD

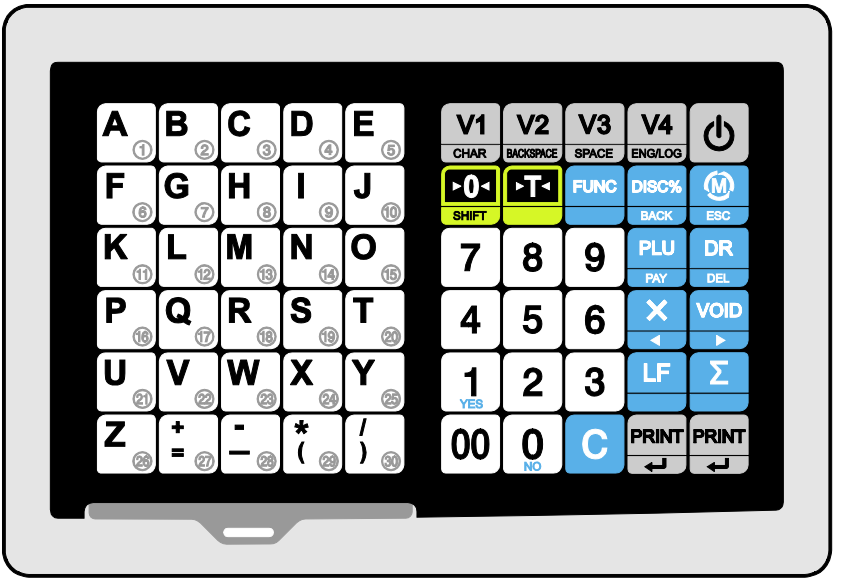

A 1
B 2
C 3
D 4
E 5
F 6
G 7
H 8
I 9
J 10
K 11
L 12
M 13
N 14
O 15
P 16
Q 17
R 18
S 19
T 20
U 21
V 22
W 23
X 24
Y 25
Z 26
+ = 27
- — 28
* (29
/) 30
V1 CHAR
V2 BACKSPACE
V3 SPACE
V4 ENG/LOG
▸0◂ SHIFT
▸T◂
FUNC
DISC% BACK
Ⓜ ESC
7
8
9
PLU PAY
DR DEL
4
5
6
× ◂
VOID ▸
1 YES
2
3
LF
Σ
00
0 NO
C
PRINT ↵
PRINT ↵

Table 1 : Symbols on Display

SYMBOLS	DESCRIPTION
MASTER (▼)	Master mode
SLAVE (▼)	Slave mode
AC (▼)	AC power mode
PAPER (▼)	When blinks there is some problem with paper roll in the printer.
∑ (▼)	In the subtotal mode
MODE (▼)	Program mode
↑	SHIFT key pressed
→0←	To adjust the weight to zero.
ST	Stable
NET	Tare on
	Low battery warning when it is below residual 20 %
DISC	Discount price
NEG	Negative transaction
FIX	Fixed price
	Communication working

Table 2 : Key Functions

KEYS	FUNCTIONS	
	SALES MODE	PROGRAM MODE
0 NO ~ 9	To input all numerical data	
00	To input double zero	
C	To clear all of numbers input on the display	
V1 CHAR ~ V4 ENG/LOG	To select clerk 1~4	
V5 ~ V8	To select clerk 5~8 (option)	
▸0◂ SHIFT	To set zero	
▸T◂	To set or clear tare value	
Ⓜ ESC	To go to program mode	
PLU PAY	To call up a PLU with numeric key	
✕ ◂	To input non-weighed item	
▸0◂ SHIFT	SHIFT : To select alternate key functions	
⏻	To turn on or off the power / backlight	
Σ	To show subtotal / total / payment sum	
① ~ ㉚	Direct PLU keys * PLUs # 1~30 may be used for both the direct and indirect PLUs. Most commonly used 30 items are recommended to be used for direct PLUs for users' convenience.	
FUNC	To change key map	

KEYS	FUNCTIONS	
	SALES MODE	PROGRAM MODE
DR DEL	To open cash drawer *The cash drawer is opened no matter how the "opening time"is set.	
LF	To feed the paper	
DISC% BACK	To make discount	
	After pressing Σ	After pressing M ESC
Σ	* To finalize the payment in cash * To print receipt	To print current data
PLU PAY	PAY : To pay in cash	
0 SHIFT + PLU PAY	SHIFT + PAY : To pay in credit	
DISC% BACK	To make discount for subtotal	
X ◀	◀ : Sales list -	To go to the previous menu
VOID ▶	▶: Sales list +	To go to the next menu
DR DEL	DEL : To delete a specific sale in sales list	
DISC% BACK		BACK : To go back to the higher level of menu
PRINT ↵		ENTER : To go into the lower level of menu
LF		Fast selection of PLU (-) in the PLU mode
Σ		Fast selection of PLU (+) in the PLU mode

I. Sales Mode

Chapter 1. Basic Operation

a. Turning the scale or backlight on / off
b. Feeding the paper
c. Opening cash drawer
d. Self-test on printing
e. Zero function
f. Tare function

Chapter 2. Sales for weighed item

a. Sales with free price (hand pricing)
b. PLU sales

Chapter 3. Sales for non-weighed item

a. Sales with free price (hand pricing)
b. PLU sales

Chapter 4. Clerk Operation

a. CLERK MODE 0 (All clerk operation)
b. CLERK MODE 1 (Only one clerk operation)
c. CLERK MODE 2 (Supermarket mode)
d. CLERK MODE 3 (Label-1 mode)
e. CLERK MODE 4 (Label-2 mode)

Chapter 5. Discount & Payment

a. Discount for a single transaction
b. Discount for subtotal
c. Payment
d. Duplicate receipt

Chapter 6. Sales Transaction Simulation

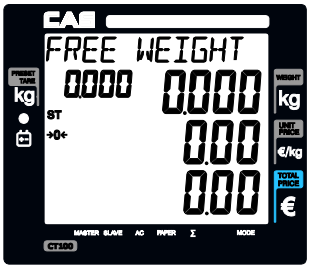
* Sales with free price
* Void
* Programmed discount
* PLU sales
* Non-weighed sales
* Subtotal
* Discount for subtotal
* Sales list viewing
* Deleting a specific sale transaction
* Payment in credit
* Payment in cash

Chapter 1. Basic Operation

This chapter explains how to turn the scale or backlight on/off, feed the paper, open cash drawer, and do self-test on printer.

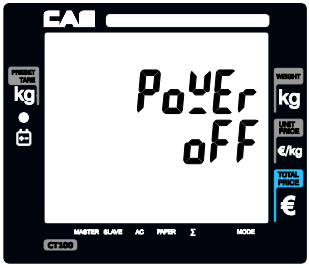
a. Turning the scale or backlight on/off

① Press ⏻ when the scale is turned off, then it starts counting 0~9. And press ⏻ again for a second to turn on backlight of scale.



■ Only when user is in battery use the backlight lasts 1 minute and automatically is turned off. Then, if the scale senses more than minimum weight the backlight is automatically turned on.
Minimum weight : refer to **SPECIFICATION** Table on page 120.

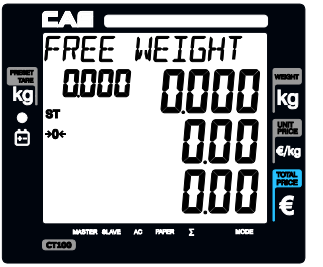
② Press ⏻ for a second to turn backlight off. And press ⏻ and hold it for more than a second to turn the scale off.



b. Feeding the paper

■ Feeding the paper is to make sure that printer paper is properly set and operated.

① Press LF when user needs to feed the paper.



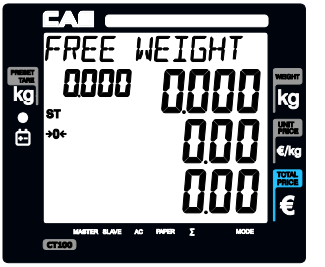
c. Opening cash drawer

■ This operation is to use the scale with cash drawer. The cash drawer is opened when the scale is connected to both AC power and 12 V battery

■ Cash drawer will be opened whenever printing a receipt.

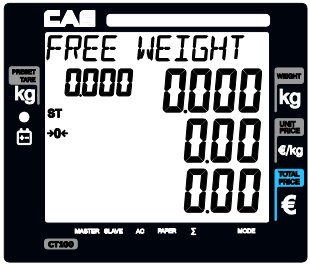
■ Please set "Cash Drawer Open Time" to "1" if user doesn't wants printing each time and use DR key. Refer to page 74 "f. Setting Pulse length to open cash drawer".

① Press DR to open cash drawer in time set.



d. Self-test on printing

① Press [→T←] while counting 0~9 after turning on the scale by pressing [⏻] . Then, it automatically prints out the test report.

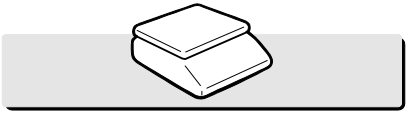


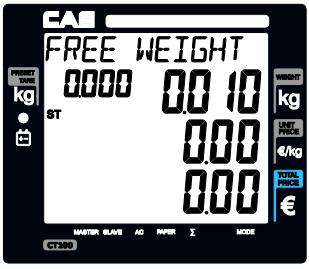
■ The printing self-test function may be also executed on **test mode** in **"II. Programming mode".**

e. Zero function

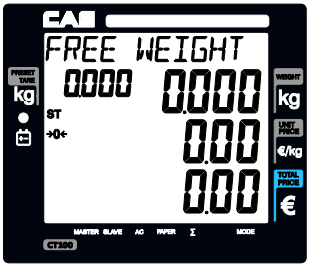
■ The scale is not in initial zero point when there is(are) any item(s) on the platter user may need to set zero using "zero" key.

① The scale is not in initial zero point.





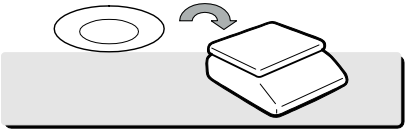
② Set zero point. User can set zero only within ±2% of capacity. For example, the 6kg CT100 model is ±120g.

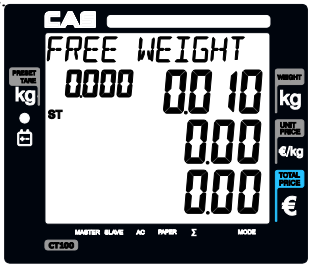


f. Tare function

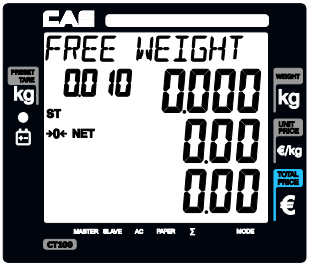
■ One Time Tare
This function is to subtract the weight of actual tare.

① Place a tare on the platter. For example, 10g.

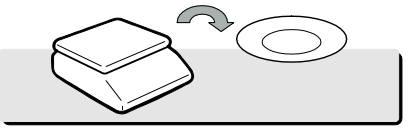


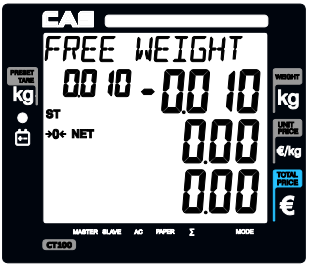


② Subtract the tare weight. After setting the tare user may place item on the platter, and the scale reads only the weight of item.

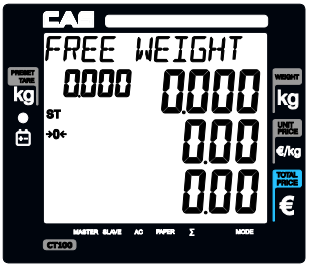


③ Remove tare from the platter if user does not need tare function. At this time the weight shows negative value of tare.





④ To clear up the tare value, and go back to set zero point, press the T key again.

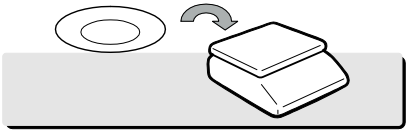


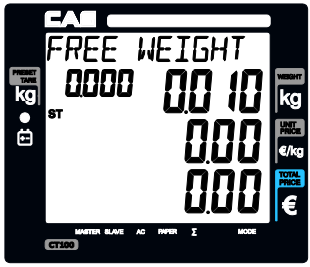
■ Successive Tare

This function is to subtract two successive tares.

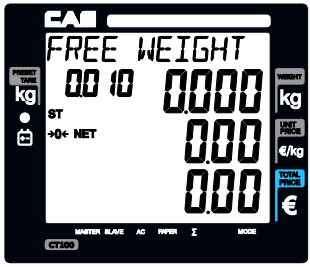
The successive tare can be set in the calibration mode. Please contact your dealer if you want to use "Successive Tare".

① Place a tare on the platter. For example, 10g.
Press the →T← key.

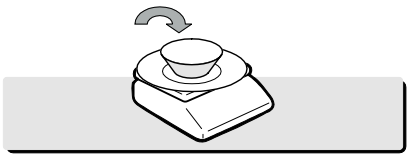




② The scale will subtract the tare weight.

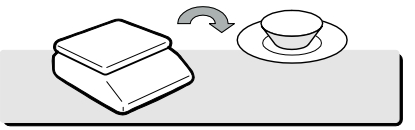


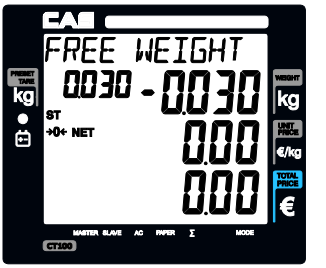
③ Place another tare on the platter.
For example, 20g.



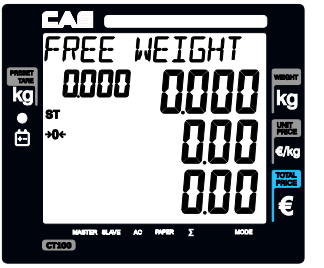
④ The scale will add up the weight of tares. After setting the successive tares user may place item on the platter, and the scale reads only the weight of item.

⑤ Remove all weights from platter if user does not need tare function. At this time the weight shows negative value of tare.





⑥ To clear up the tare value, and go back to set zero point, press the →T← key again.



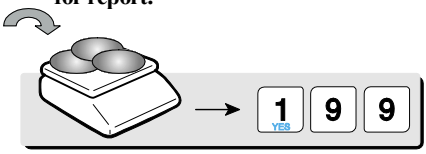
Next two chapters, **chapter 2 & 3,** explain how to make sales transactions for weighed item and for non-weighed item respectively. User may use or not use PLU (Price Look-Up), which can be pre-programmed into the scales. Let's look at how to operate the sales function of CAS CT100.

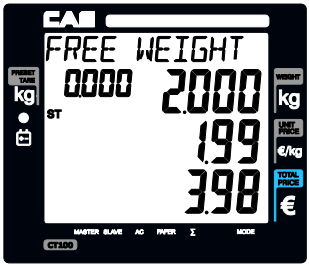
Chapter 2. Sales for weighed item

a. Sales with free price (hand pricing)

① Put appropriate item of, for example, 2kg on the platter and press numeric keys for its unit price in weighing mode.

*** All of sales transactions with free price are stored and accumulated on "PLU 0" for report.**



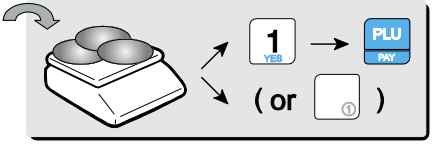


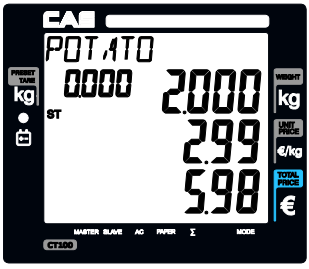
b. PLU Sales

PLU means Price Look-Up, which is pre-programmed into the scale for commonly used unit price and item. It may store such information as unit price, item code, department, item name, tax rate group, weighed or non-weighed, fixed or non-fixed item, and printing or non-printing barcode for a PLU.

CAS CT100 can store up to ***1,000 PLUs*** in its memory. Let's look at how to make a sales transaction using a PLU.

① Put appropriate item on the platter. And press either PLU number and PLU (or direct PLU key between 1~30 which are preset in the programming mode). For example, lets put in "PLU 1(non-fixed PLU)", which unit price is 2.99.



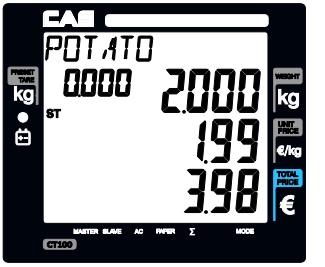


* Direct PLU s: user may save one touch direct PLUs for most commonly-used 30 items.

* If user saves indirect PLUs of #1~30 he/she does not need to save direct PLUs of # 1~30 because the indirect PLUs of #1~30 are automatically saved in the direct PLU keys of #1~30. Most commonly used 30 items are recommended to be saved in the direct PLU keys for users' convenience.

* If current PLU1 has **fixed price** attribute, which is set in the program mode user cannot change the unit price for PLU called up. However, if current PLU has non-fixed price attribute user may change (override) the unit price as his/her sales transaction requires.

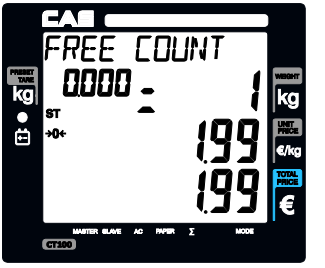
① In case of non-fixed priced PLU user may put in (override) new price for current PLU at sales condition, for example, "last minute sales" or "10 minutes sales" etc. Lets try last minute sales of PLU 1; 1 kg for 1.99.



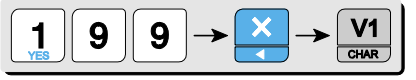
Chapter 3. Sales for non-weighed item

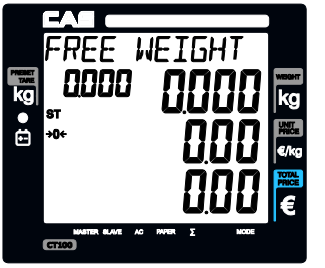
a. Sales with free price(hand pricing)

① Simply input item's unit price and press [×] key. Pressing [×] displays initial "1".



② For sales of only 1 item just press [×] because zero the quantity is already set to initial "1". Then, press [V1 CHAR] to select the clerk 1.

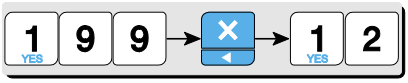


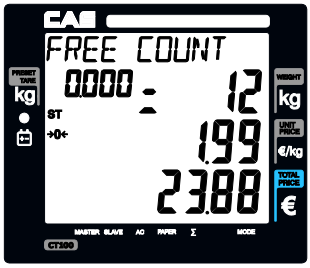


③ For more than single item sales,

Simply input item's unit price and press [×] and quantity. Then display will show total price.

* User may make sales up to 1,999 items per transaction.





④ Press [C] to clear previous transaction and go back to initial weighing mode.

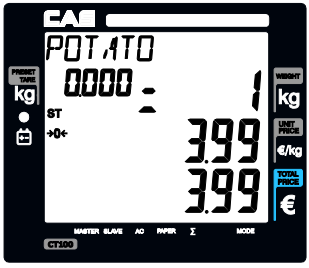
b. PLU Sales

■ Please make sure current PLU is set with ***non-fixed price*** in the PLU program mode. Otherwise, user cannot change unit price for the PLU called up.

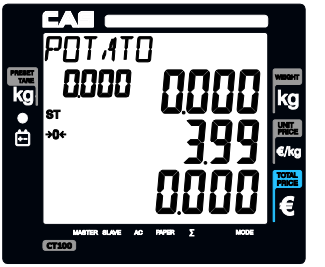
■ User cannot change the unit price of "Fixed Price Item" after calling up the PLU.

① Press either PLU number and [PLU] (or appropriate direct PLU key between 1~30). For example, direct *"PLU 8"*, which unit price is 3.99.

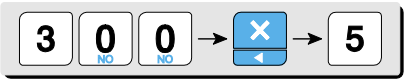
First press [8].

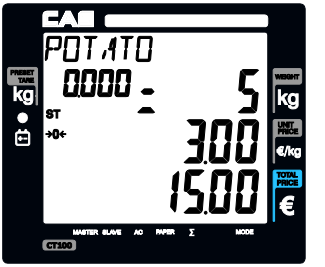


② Press [×] key to change unit price.

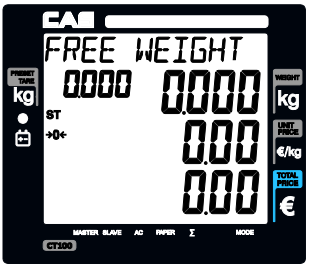


③ Input new price, 3.00. Then, press [×] and the number of non-weighed item unit, for example, 5 units.





④ Press [C] to clear previous transaction and go back to initial weighing mode.



Chapter 4. Clerk Operation

There are three different type of clerk modes.
max number of sales per CLERK : 99

Table 3: Clerk Mode (refer to clerk mode setting on page 88)

Modes	DESCRIPTION	Receipt Printing
0	**All clerks** can use the scale for a seriesof sales activity.	It prints ticket (receipt) including each item and total information.
1	**Only one clerk** can use the scale for a series of sales activity. However, other clerk can use the scale for other series of sales activities in this mode.	It prints only part of ticket (receipt), which a transaction is made, and prints total amount after a series of transactions are completed.
2 (Supermarket mode)	**Only one transaction per clerk** at a moment.	It prints ticket (receipt) only for one transaction per clerk.
3(Label-1 Mode)	**Only one transaction per clerk** at a moment	It prints Label (receipt) only for one transaction per clerk.
4(Label-2 Mode)	**Only one transaction per clerk** at a moment	It prints Label (receipt) only for one transaction per clerk.

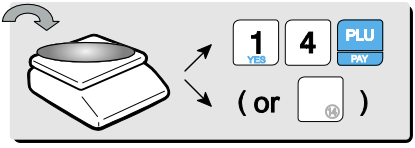
a. CLERK MODE 0 (All clerk operation)

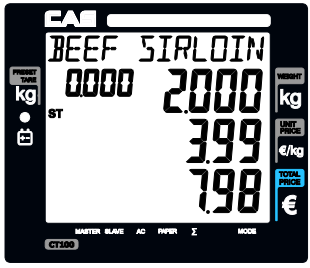
- *All clerks* can use the scale for a series of sales activity.
- It prints ticket (receipt) including each item total information.

Assumption : (These are consecutive, separate, transactions.)

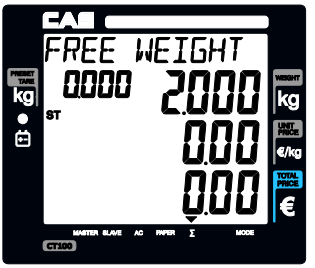
a) 2kg of **Beef Sirloin** (PLU setting # 14, €3.99/kg, No weight; No) for clerk V1.
b) 3kg of **Turkey** (PLU setting # 15, €4.99/kg, No weight; No) for clerk V2.
c) 3kg of **Rib Eye** (PLU setting # 17, €5.99/kg, No weight; No) for clerk V3.
d) 3 packs of **Potato** (PLU setting # 1, €1.99/pack, No weight; Yes) for clerk V1.
e) All of above-mentioned PLUs should have other code number than "code 0".

① Call up PLU of Beef Sirloin, #14 for clerk V1.

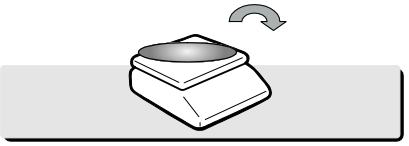


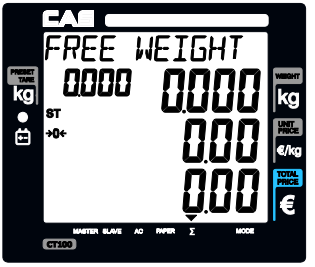


② Call up PLU of Beef Sirloin, #14 for clerk V1



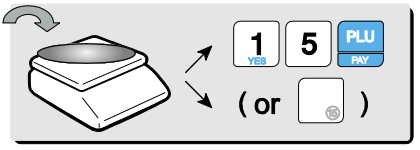
③ Select the clerk 1.

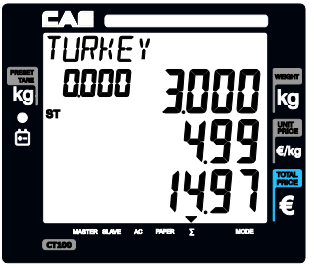




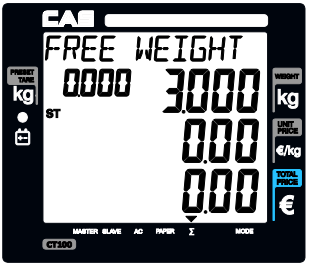
④ Remove Beef Sirloin from the platter.

⑤ Call up PLU of Turkey, #15 for clerk V2.

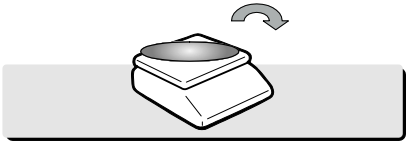


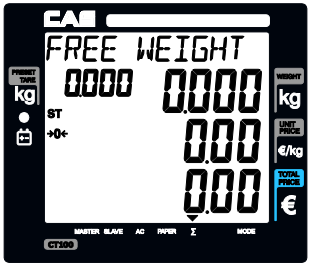


⑥ Select the clerk V2.

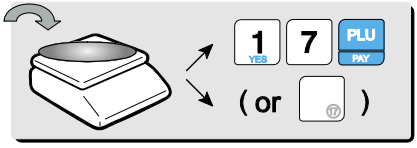


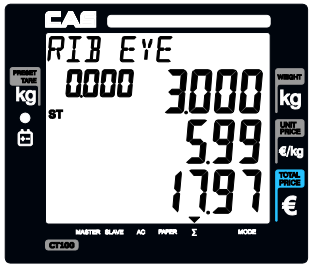
⑦ Remove Turkey from the platter.



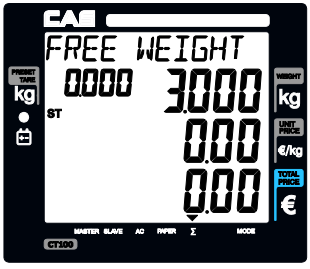


⑧ Call up PLU of Rib Eye, #17 for clerk V3.

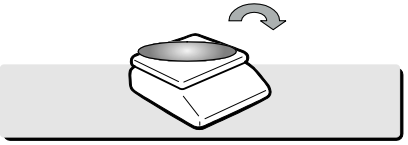




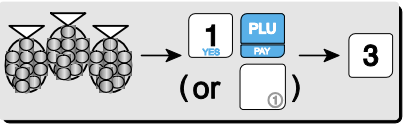
⑨ Select the clerk V3.

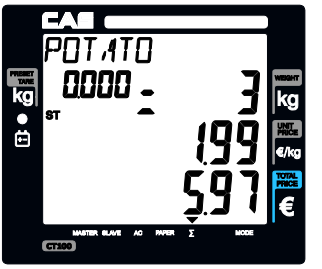


⑩ Remove Rib Eye from the platter.

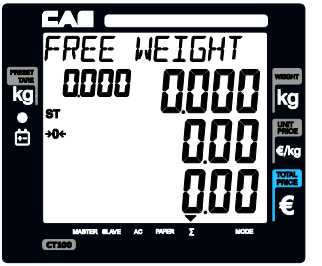


⑪ Call up PLU of Potato(No weight Item), #1 for clerk V1. Customer purchase 3 packs of Potato.

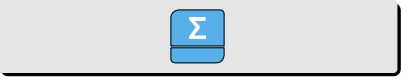




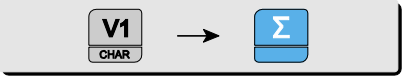
⑫ Select the clerk V1.

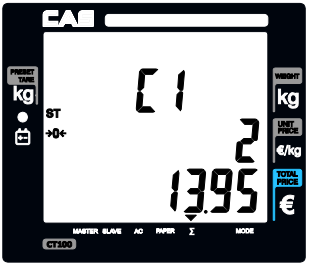


⑬ Subtotal Mode.
Get subtotal amount.



⑭ Select appropriate clerk (V1, V2, V3, V4) Selecting V1 in the SUBTOTAL mode and pressing Σ key prints out a ticket (receipt) for Clerk1 transaction(s).





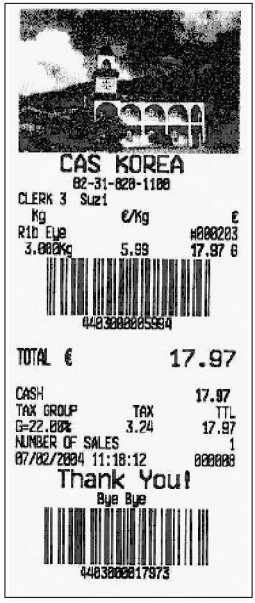
※User may print out individual clerk's receipt by pressing individual clerk key (using V1 CHAR , V2 BACKSPACE , V3 SPACE) then Σ key.

- Receipt Samples (Euro Version)

Clerk 1' Receipt

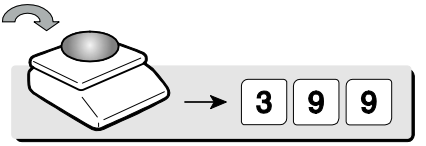
Clerk 2' Receipt

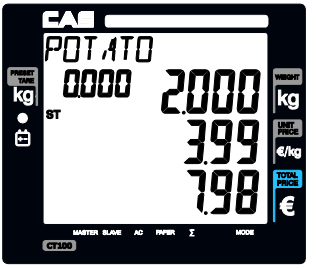
Clerk 3' Receipt



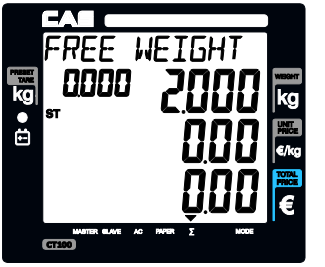
b. CLERK MODE 1 (Only one clerk operation)

① For example, put 2kg of item whose unit price is 3.99 and clerk V1 is making current transaction.



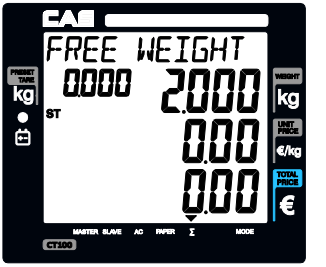


② Press to select the clerk 1. It automatically prints out ticket (receipt) for current transaction.



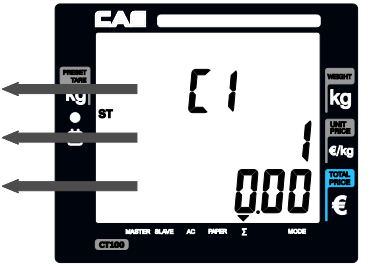
③ **VOID**

Press VOID to void (delete) latest transaction.
Clerk 1 to make sure the lastest transaction is voided (deleted).
For Clerk Mode "0" user should press appropriate clerk deleted after pressing "VOID"key.



④ Press Σ to have subtotal amount and transaction after previous void transaction.

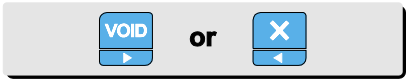
- Current clerk number in current transactions.
- The number of transactions.
- Total price through previous transactions.

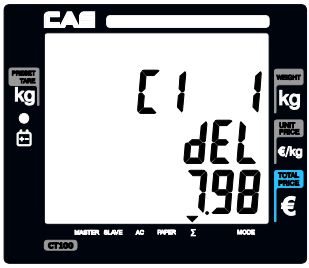


⑤ **Sales List**

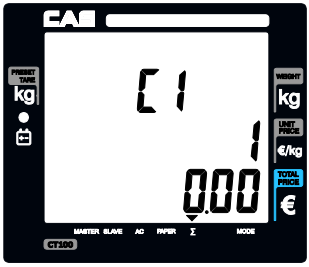
User may check through previous ① ~ ④ transactions (lists) before printing receipt, using [X] or [VOID].

• Pressing [X] will delete current transaction made in the sales list mode.

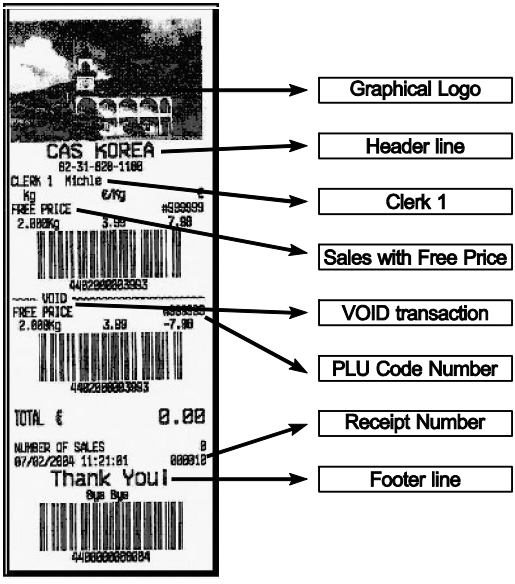




⑥ User may exit from current by using [C] once for current clerk's sales and twice for another transaction.



⑦ Press [Σ] to print the receipt for ① ~ ⑥ steps, and the receipt looks like the following one.



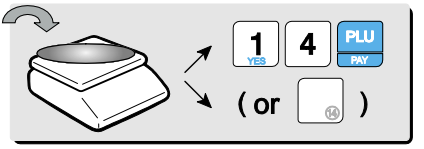
c. CLERK MODE 2 (Supermarket mode)

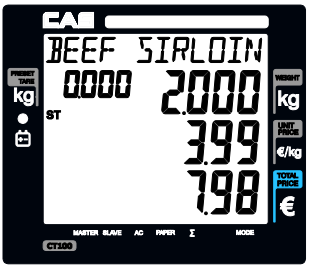
• ***Only one transaction per clerk*** at a moment.
• It prints ticket (receipt) only for one transaction per clerk.

Assumption :

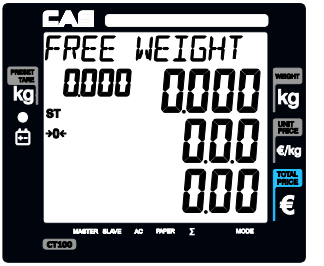
a) Please go to clerk mode and set clerk mode as "2 (supermarket mode)".
b) 2kg of **Beef Sirloin** (PLU setting # 14, €3.99/kg, No weight; No) for clerk V1.
c) All of above-mentioned PLUs should have other code number than "code 0".

① Call up PLU of Beef Sirloin, #14 for clerk V1.





② Then, ***it automatically prints out ticket*** (receipt) for "a)" transaction when user selects the clerk.



※ The scale prints out ticket (receipt) for each transaction in ***the supermarket mode (set"2")*** whenever each transaction is made by a clerk.

※ For further information please refer to ***"chapter 11. Barcode Printing"*** on page 80.

※ For further information please refer to ***"chapter 11. Barcode Printing"*** on page 80.

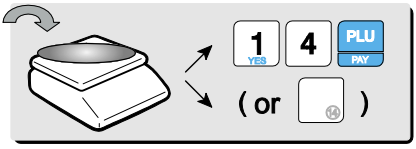
d. CLERK MODE 3 (Label-1 mode)

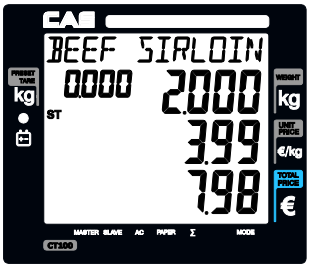
• ***Only one transaction per clerk*** at a moment.
• It prints Label format receipt only for one transaction per clerk.

Assumption :

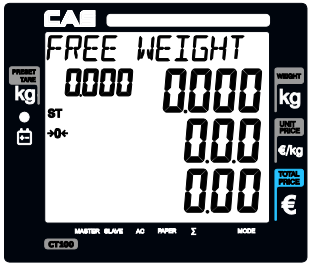
a) Please go to clerk mode and set clerk mode as "3 (Label-1 mode)".
b) 2kg of **Beef Sirloin** (PLU setting # 14, €3.99/kg, No weight; No, Valid=30) for clerk V1.
c) All of above-mentioned PLUs should have other code number than "code 0".

① Call up PLU of Beef Sirloin, #14 for clerk V1.

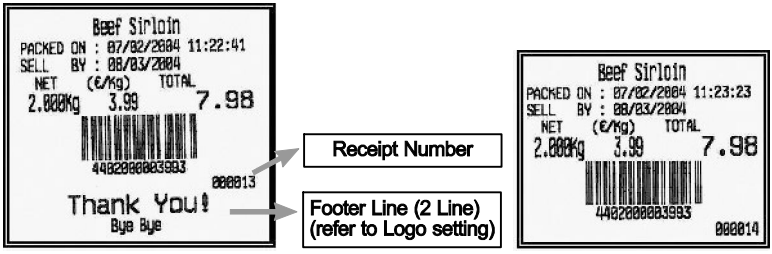




② Then, it ***automatically prints out ticket*** (Label format receipt) for "a)" transaction when user selects the clerk.



※ The scale prints out ticket (Label format receipt) for each transaction ***in the Label-1 mode (set"3")*** whenever each transaction is made by a clerk.



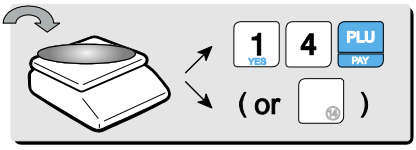
e. CLERK MODE 4 (Label-2 mode)

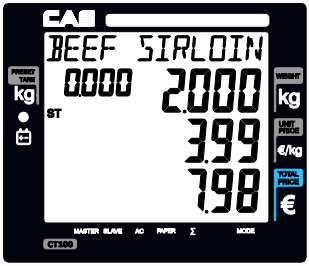
• ***Only one transaction per clerk*** at a moment.
• It prints Label format receipt only for one transaction per clerk.

Assumption :

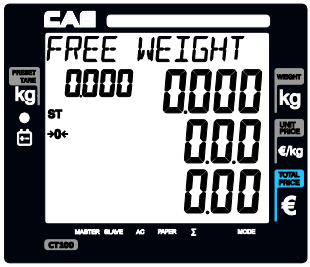
a) Please go to clerk mode and set clerk mode as "4 (Label-2 mode)".
b) 2kg of **Beef Sirloin** (PLU setting # 14, €3.99/kg, No weight; No, Valid=30) for clerk V1.
c) All of above-mentioned PLUs should have other code number than "code 0".

① Call up PLU of Beef Sirloin, #14 for clerk V1.

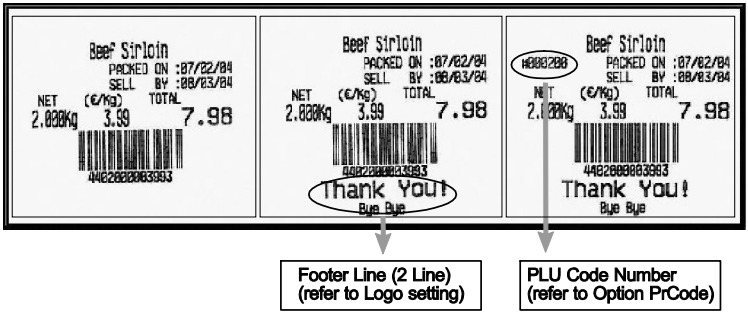




② Then, it ***automatically prints out ticket*** (Label format receipt) for "a)" transaction when user selects the clerk.



※ The scale prints out ticket (Label format receipt) for each transaction ***in the Label-2 mode (set"4")*** whenever each transaction is made by a clerk.



Chapter 5. Discount & Payment

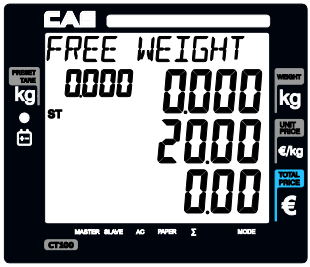
a. Discount for a single of transaction

■ Instant

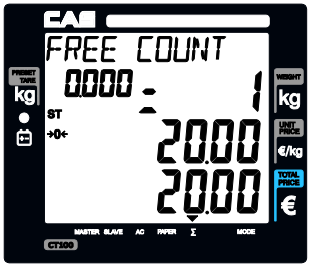
Assumption :

- Instant discount rate: 10%
- Unit price of a commodity: €20

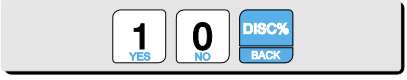
① A customer purchased €20.00 for a commodity.

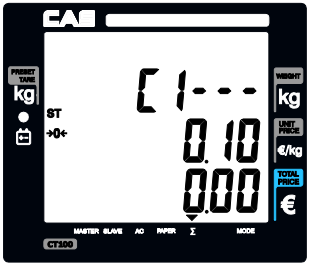


② Press to make €20.00 valued sales transaction for clerk V1.



③ Press to provide 10% discount for current single transaction.

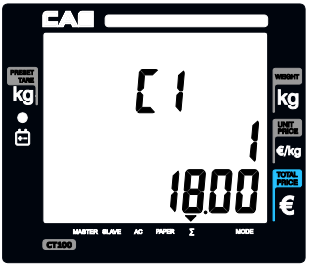




④ Press [V1 CHAR] [Σ] [V1 CHAR] to have the amount of Subtotal after instant 10% of discount for a single transaction.

※ CLERK"1"MODE :

User doesn't need to select a "Clerk", .



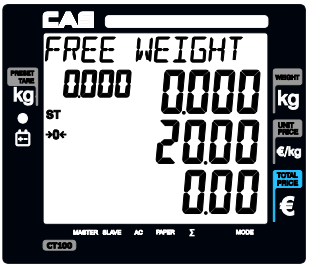
■ Pressing [Σ] is to finalize the discount for a single transaction and print out the receipt.

■ Programmed discount

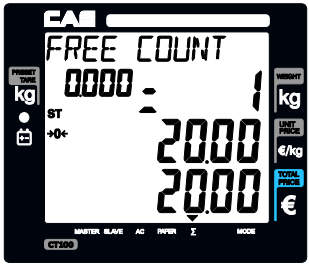
Assumption :

- Programmed discount rate: 5%
  (Refer to "program mode"➔"SET1"➔"Pr-" for discount rate setting)
- Unit price of a commodity: €20

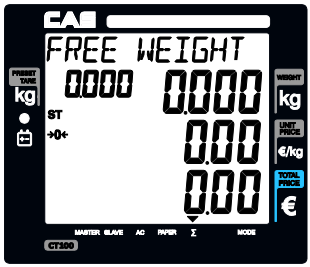
① A customer purchased €20.00 for a commodity.

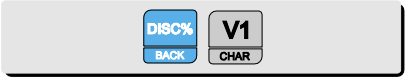


② Press [×] [V1 CHAR] to make €20.00 sales transaction for clerk V1.

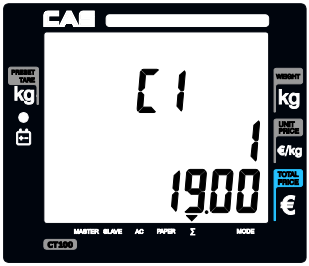


③ Press [DISC% BACK] [V1 CHAR] to provide 5% programmed discount for current single transaction.





④ Press [Σ] [V1 CHAR] to have the amount of subtotal after instant 5% of discount for a single transaction.

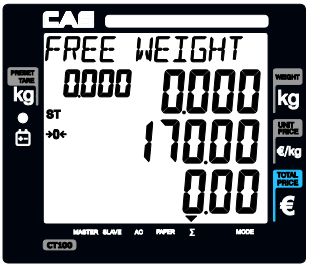


■ Pressing [Σ] is to finalize the discount for a single transaction and print out the receipt.

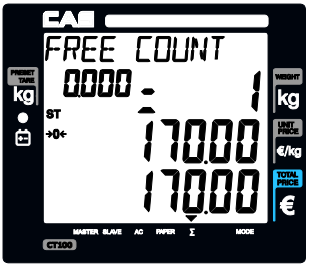
b. Discount for subtotal

Once the user gets the total amount by pressing [Σ] he/she may apply some percentage of discount to the subtotal. Let's assume we apply a **6% discount** (refer to II. program mode, SET 1) on a purchase of €**170** valued commodity, for example.

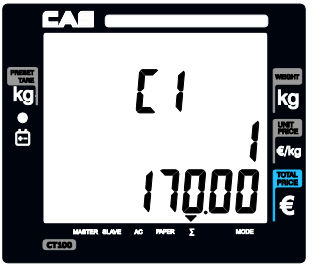
① A customer pays €170.00 for a commodity.



② Press [×] [V1 CHAR] to make €170.00 sales transaction for clerk V1.

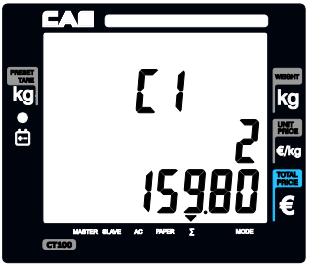


③ Press [Σ] and [V1 CHAR] to have the amount of subtotal which clerk V1 made.



④ Press [DISC% BACK] to show the subtotal after programmed 6% discount.

※ You may apply "Instant discount" function to subtotal amount.



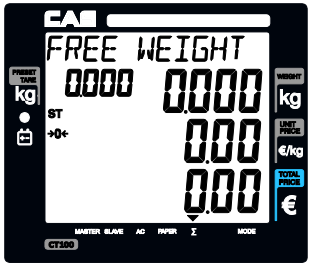
■ Pressing Σ will to finalize the discount transaction and print out the receipt.

c. Payment

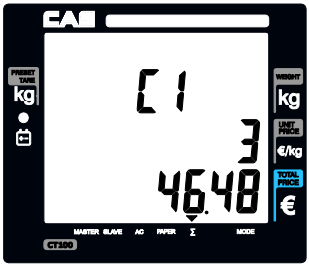
■ Payment function works only in the ***subtotal mode.***

Assumption : After ***clerk 1*** has made ***three sales transactions*** the subtotal amount of ***€ 46.48*** comes up. Customer wants to pay ***€ 20 in credit*** and ***rest in cash.***

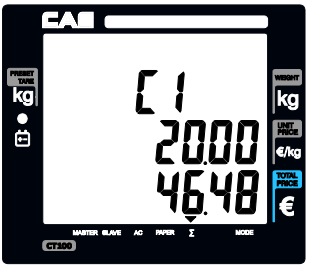
① ▼indicates that current display is in subtotal mode as above assumption.



② Press Σ and V1 CHAR to have the amount of subtotal for clerk 1 as an example.

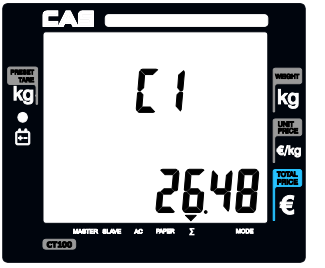


③ Press appropriate numeric keys to input the amount of payment ***in credit.***

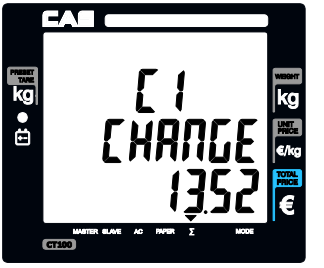


④ Press

and "pay" key to make payment ***in credit.***



⑤ Press approproate numeric keys to make rest of payment, €40.00 ***in cash.***



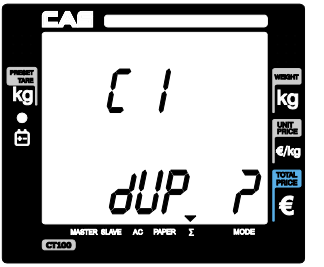
⑥ Then, the scale automatically prints out receipt.

· If user is using the scale with ***cash drawer*** connected ***the cash drawer*** is also automatically opened as the pulse length of cash drawer set when printing the receipt.
Default for pulse length of cash drawer is **50m/sec** (50/1,000 second).
Please refer to page 74 for further detail of "pulse length setting"

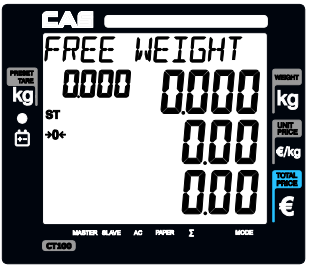
d. Duplicate receipt

■ If user sets duplicate receipt (***"dbL"***) as "YES" in the ***OPTION setting*** of program mode the scale asks "DUP?" whenever printing receipt by using Σ or PAY key. If user presses Σ it prints the additional copy of receipt, and if press "C" key it does not print copy of receipt.

① he scale asks user "dUP?", when he/she has already printed out a receipt for current transaction.



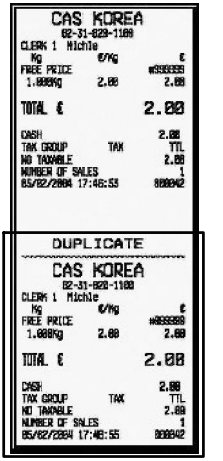
② Press either Σ to print an additional copy of receipt or C not to print the copy.



■ Printing receipt works only in the subtotal mode.

■ Usually, user can automatically have receipt by using Σ .

■ However, if ***"Obligatory Pay"*** function ***setting*** is already set in the OPTION setting the scale does not automatically print out the receipt by pressing Σ. In this case user must input the amount of payment more than current total amount and then he/she can make a payment in cash or credit.

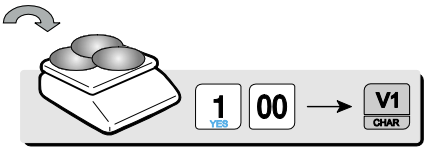


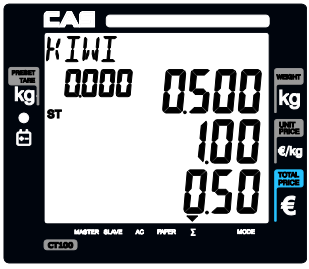
Chapter 6. Sales Transactions Simulation

Assumption :

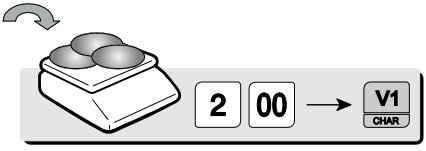
- Clerk sales mode: "0"- ***All clerks sales mode*** (Clerk mode on page 88)
- Programmed discount: ***5%*** (Discount percentage mode on page 66)
- Obligatory payment function: ***"0"-disabled*** (Obligatory payment setting on page 84)
- Duplicate receipt function: ***"0"-disabled*** (Duplicate receipt setting on page 80)
- Weight of commodity: ***0.500 kg, and 1.000 kg***

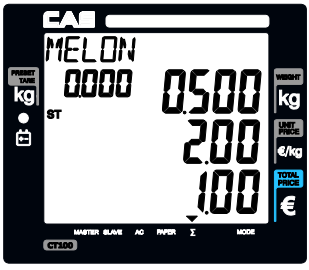
① Commodity (Kiwi) with free price, €1.00, Weight=0.500 kg, clerk 1 sales.



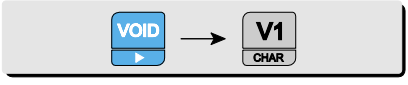


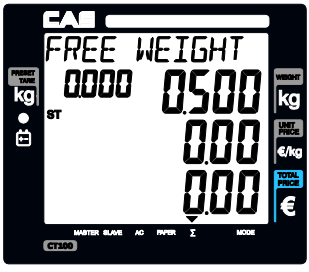
② Commodity (Melon) with free price, €2.00, Weight=0.500 kg, clerk 1 sales.



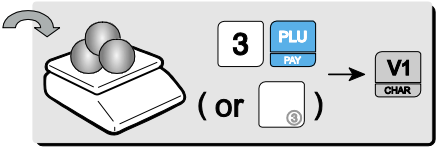


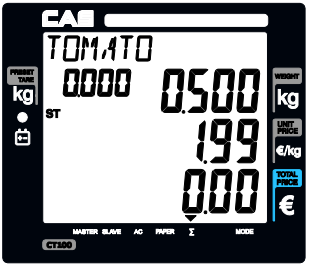
③ Void function



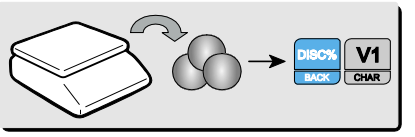


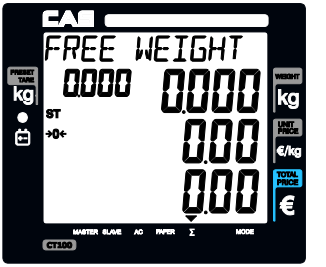
④ PLU 3 commodity (Tomato: €1.99/kg), Weight=0.500 kg, clerk 1 sales.



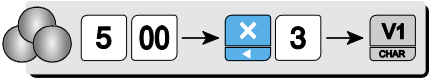


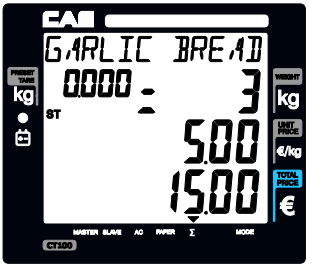
⑤ Programmed discount (5%) for PLU 3 commodity (Tomato), Weight=0.500kg, clerk 1 sales.



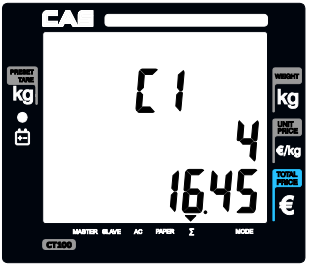


⑥ €5.00 of Non-weighed Free Price commodity (Garlic bread) x3, clerk 1 sales.

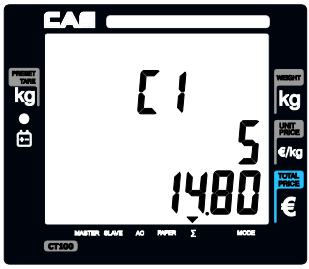




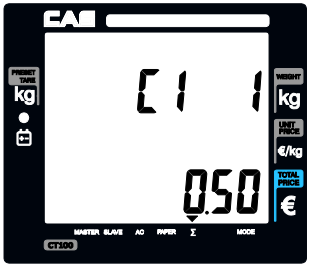
⑦ Subtotal, for example, €16.45. Total 4 transactions, and clerk 1 sales activities are shown on the display.



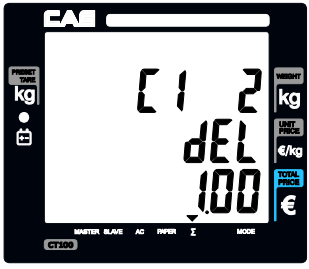
⑧ Discount 10% for subtotal, €16.45.



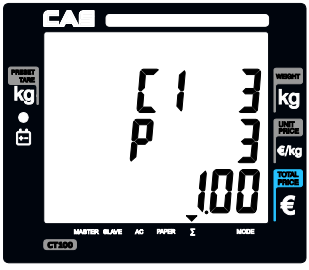
⑨ To review sales list press VOID .



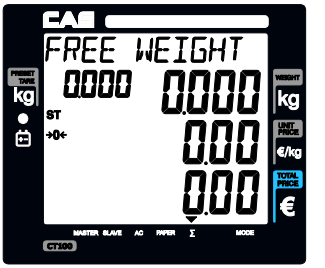
⑩ To review sales list press VOID . "dEL" means VOID function has deleted the second transaction.



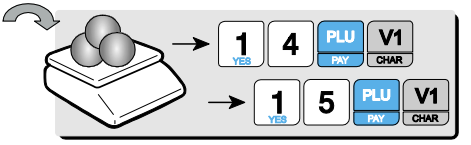
⑪ To review sales list press VOID . "p 3" means that PLU 3 transaction has been completed. If user wants to exit from sales list press C .



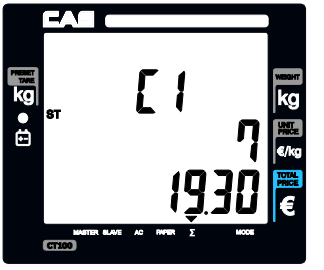
⑫ If user presses C to go back to sales mode the display is shown as right.



⑬ Two sales transactions for PLU 14 (€3.99/kg) and PLU 15 (€4.99/kg) with weight=0.500kg, clerk 1 sales activities.



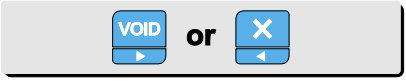
⑭ Subtotal mode. Subtotal is €19.30, for example.

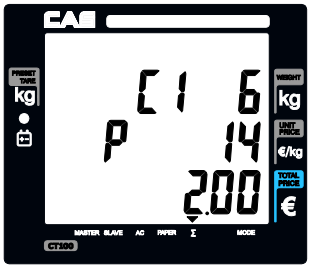


Deleting sales transaction in subtotal

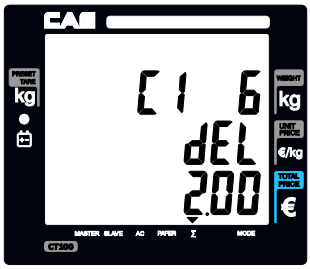
- To delete a specific sales transaction user should go to the sales transaction on the sales list by using VOID ✕ key.
- Then, press ✕ to delete it.
- If any discount transaction is done for subtotal the sales included in the subtotal can not be deleted.
- User can not execute ***Void function*** of a sales transaction if any discount for the subtotal is already made.

⑮ Go to the 6th sales transaction by using VOID ▶ and ◀ to delete it.

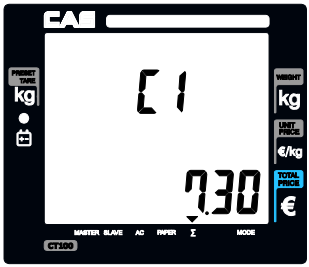




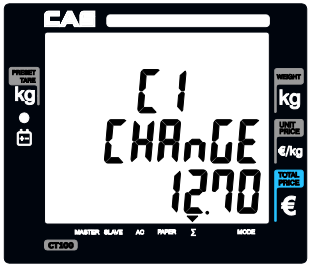
⑯ Press ◀ to delete it. User may exit from this mode by pressing C .



⑰ Payment of €10.00 in ***credit*** and rest ***in cash*** for total €17.30 for example.
Input €10.00 of payment in credit.

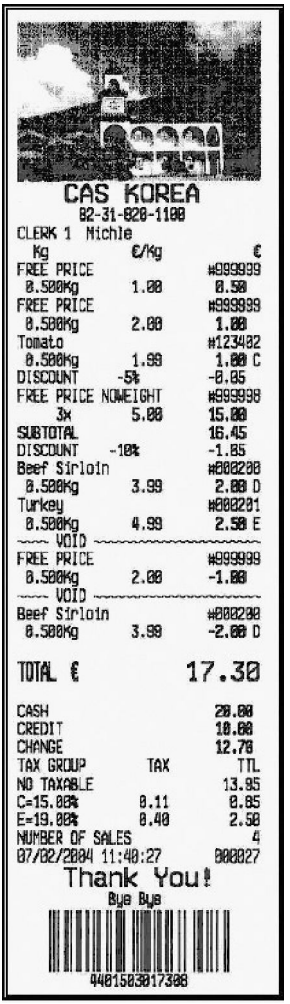


⑱ Input €20.00 to pay for remaining balance in cash.



■ The receipt will be automatically printed and the scale is ready to exit to sales mode.

Receipt Sample from Sales Simulation



II. Program Mode

Chapter 7. PLU Programming

a. Tare
   Validity
   Price
   Code
   Group
   Name
b. Tax, Non Weighed, fixed PLU price & barcode printing
c. One touch PLU data Erasing

Chapter 8. Report

a. PLU data list
b. PLU report
c. Clerk report
d. Group report
e. Tax report
f. Hourly, Daily, Weekly and Monthly report
g. Log report
h. Total report
i. Closing report

Chapter 9. SET 1 (Discount, Barcode formatting & HW setting)

a. Baud 1 rate (bps)
b. Baud 2 rate (bps)
c. Discount rate(%)
d. Barcode format setting for a single transactions
e. Barcode format setting for total
f. Setting pulse to open cash drawer
g. Printing darkness setting
h. Currency symbol or name
i. Scale number
j. Font number

Chapter 10. SET 2 (Date, Time, Password & Default setting)

a. Date & Time
b. Password
c. One touch PLU data erasing & default setting

Chapter 11. OPTIONS (Receipt Formatting)

a. Duplicate receipt
b. Image (graphic logo)
c. Printing barcode for a single transaction
d. Printing barcode for total transaction
e. Obligatory payment
f. Discount
g. Printing PLU code
h. Printing all reports
i. Printing Tax
j. Auto backlight off time (sec)
k. Saving PLU

Chapter 12. Clerk

a. Clerk mode
b. Clerk name input : 1~8

Chapter 13. Logo

a. Header & Footer setting

Chapter 14. Tax rate group

Chapter 15. Test

a. ADC
b. SPAN
c. Display
d. Keyboard
e. Memory
f. Printer
g. Battery

Chapter 16. Group

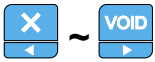
Chapter 17. Network

Chapter 18. Wireless LAN

Chapter 19. RS-485

Chapter 20. USB

Table 4 : Most commonly used keys in program mode

KEYS	FUNCTIONS PROGRAM MODE
	To get into program mode User can not get into program mode when ∑ (▼) is on, that is, previous transaction(s) is not completed.
	◀ ~ ▶ : To choose menu To move to previous or next character
	To go to the higher level of menu
	To go to the lower level of menu To save number To get into edit mode
	To input number To input number from an ASCII code
	To clear all text
	To delete characters like backspace key
	To input and save character in accordance to ASCII code
	To disable
	To enable
	To save
	To clear

Chapter 7. PLU Programming

This chapter explains how to input all PLU-related data into the scale. User can store such information as price, code, group, name, tax rate group, weighed or non-weighed, fixed or not-fixed unit price, barcode printing etc. Lets look at how to input price information on the scale.

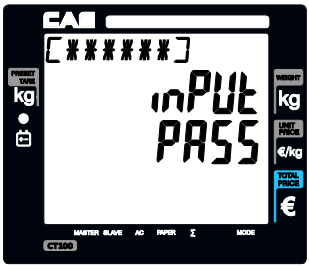
* PLU MEMORY CAPACITY : 1,000 Indirect PLUs
30 Direct PLUs
2 Special PLUs

Table 5 : PLU programming

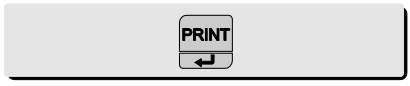
PLU Programming	Minimum	Maximum	Remark
Preset tare	0.000	2.999 (6 kg) 5.998 (15 kg) 9.995 (30 kg)	
Validity Date	Remark	999	CLERK MODE 3, 4 "Label mode" only
Digits for Price	0 ~ 9999.99		
PLU Code	0(disabled)	999999	
group number	0	39	
PLU Name (character)	0	30	Iran Version Max = 24
Tax group	A ~ H		
Weighed or non-weighed item	Yes or No		
Fixed or non-fixed item	Yes or No		
Barcode printing or not	Yes or No		

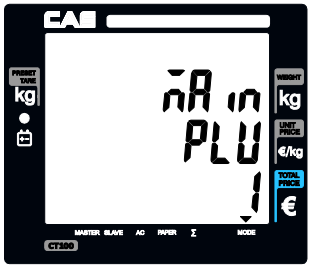
a. Tare, Validity, Price, Code, Group, and Name

① Press (M ESC) key to enter main menu, and then press PASSWORD. If you don't remember password, You can not enter menu mode.
(* password's default is "0")

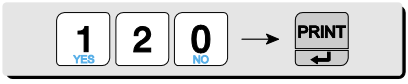


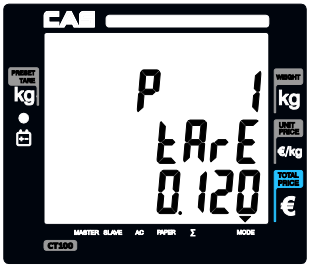
② To get into PLU programming mode from main menu, and then press PRINT key.



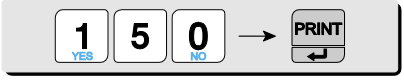


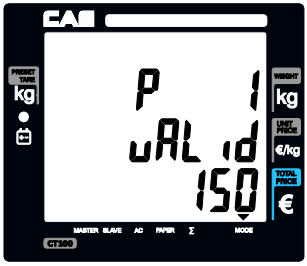
③ To input PLU's preset tare press numeric keys you wish. For example, if you input 120g for PLU 1, 2 and 0 and press PRINT key.



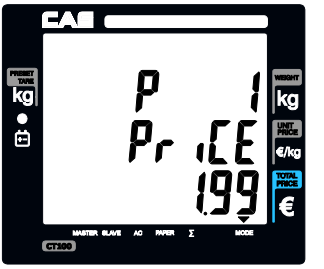


④ Press void (VOID) to go to input validity.
To input PLU's validity press numeric keys you wish. For example, if you input 150 for PLU 1 press 1, 5, and 0 and press PRINT to store.

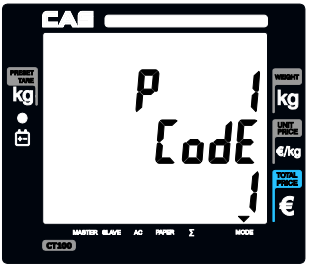




⑤ Press VOID to go to input unit price. To input PLU's unit price press numeric keys you wish. For example, if you input €1.99 for PLU 1 press 1, 9, and 9 and PRINT to store.

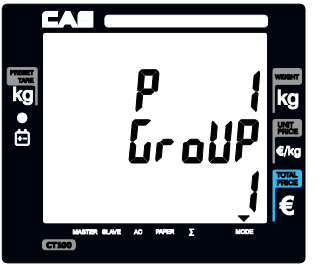


⑥ Press VOID to go to input code, and you can input any number of 0~999, 999. Then, press PRINT . For example, input 1 for this PLU.

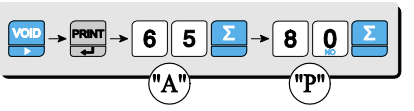


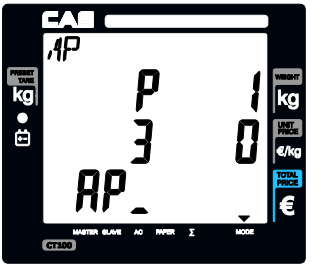
■ If user inputs ***"0" in the code*** for a specific PLU the PLU is ***disabled.***

⑦ Press VOID to go to input group number, and you can input any number of 0~39, then, press PRINT .
For example, input "1" for the group number.

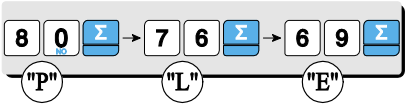


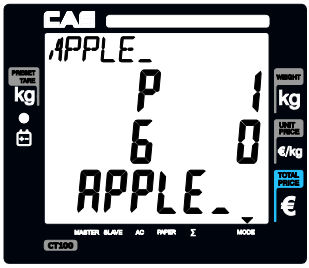
⑧ Press VOID to go to input PLU name, PRINT . You can input up to 30 characters in accordance to Table 8: code on page 101. Then, press PRINT to save the name. For example, input "APPLE" for PLU 1. Press numerical keys as followed.





⑨ Press numerical keys as followed.



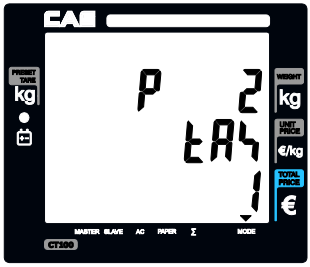


⑩ Press PRINT to save the name input. If user wants to continue to input other PLU name he/she needs to exit to PLU mode by pressing DISC% BACK and appropriate numeric keys.

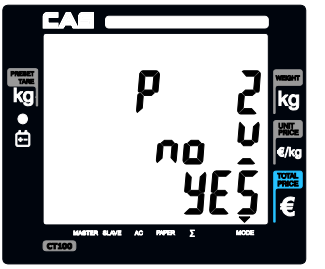
* If Maximum number of PLU is up to 1,000.

b. Tax, Non-weighed, fixed PLU price & barcode printing

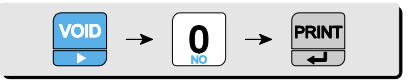
⑪ Press VOID to go to tax group setting mode, and you can input any one of tax rate groups, 1~8, then press PRINT . For example, input tax group 1 for this PLU (please refer to tax rate setting on page 93).

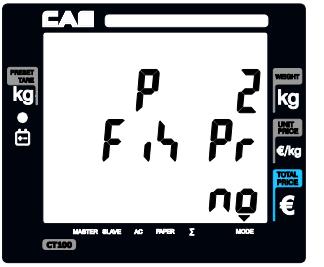


⑫ Press VOID to go to ***"non-weighed" setting mode.*** This setting is to select non-weighed or weighed commodity for current PLU selected. User can select YES or no by pressing "1" or "0" respectively. Then, press PRINT to save it.

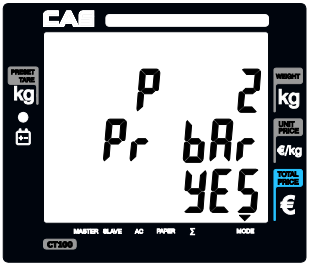


⑬ Press VOID to go to ***fixed PLU price setting mode.*** This setting is to select either fixed or non-fixed PLU price. If user select fixed PLU price he/she can not change unit price when called up the PLU. User can select YES or no by pressing "1" or "0" respectively. Then, press PRINT to save it.





⑭ Press VOID to go to ***barcode printing mode.*** User can select YES or no by pressing "1" or "0" respectively. Then, press PRINT to save it.



c. One touch PLU data Erasing

Please refer to ***Chapter 10. SET 2. C.*** for more detail.

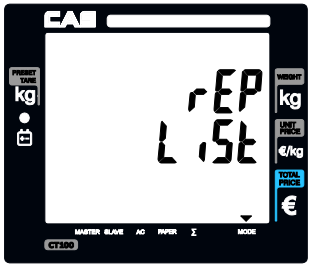
Chapter 8. Report

This chapter explains how to print out all kind of reports in CT100.
CT100 provides such reports as PLU data list, PLU, clerk, department, tax, hourly, sales reports. All of report always includes two special PLUs, PLU 0 and 1,001 on top of report.

a. PLU data list

① Press (M ESC) key to enter main menu, and enter PASSWORD. And then (VOID) key to go to Report mode..

② To print out list of all PLU data press (PRINT) twice. Press (C) to stop printing of list if user wants.



Sample Report

```
                PLU LIST
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
PLU  CODE  GR TX NFB PRICE VALID
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
0000999999  0 0  NNY   0.00  0
FREE PRICE
1000999998  0 0  YNY   0.00  0
FREE PRICE NOWEIGHT
0001000001  1 1  YNY   1.99  0
Potato
0003000003  0 0  NNY   1.99  0
Tomato
0014000014  1 1  NNY   3.99  0
Beef Sirloin
0015000015  0 2  NNY   4.99  0
Turkey
0017000017  0 0  NNY   5.99  0
Rib Eye
```

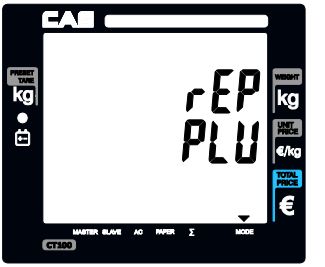
Table 6 : "C" key operation while printing

	Does "C"(cancel) key work while printing report?	
Report	YES	NO
PLU data list	X	
PLU	X	
Clerk	X	
Group	X	
Tax		X
Hourly sales		X
Daily sales		X
Weekly sales		X
Monthly sales		X
Log	X	
Total		X
Closing		X

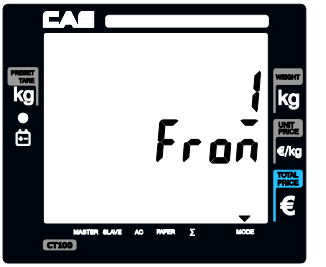
b. PLU report

■ PLU report always includes two special PLUs, ***PLU 0*** and ***PLU 1,001.***
■ PLU 0 is the sum ***of non-PLU transactions and weighed item sales.***
■ PLU 1001 is the ***sum of non-PLU and non-weighed item sales.***

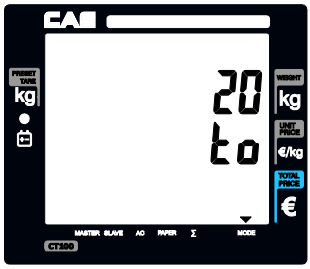
③ Press VOID to go to PLU report mode. This mode shows only PLU items sold and two special PLU items sold on the report.



④ Users can select any between PLU 1 and 1,000 for setting report range. For example, select 1~20 for PLU report.



⑤ Automatically print out the PLU report ranging from 1 to 20, and two special PLUs.



Sample Report

CAS KOREA
82-31-820-1100
16/06/2004 16:09:54

OLD REPORT Z 16/06/2004 13:10:40

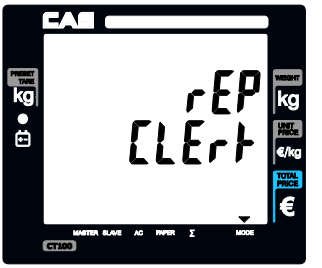
PLU REPORT

PLU PART	COUNT	QUANT TTL
0000	2	2.000
12%		33.83
FREE PRICE		
1000	9	49
54%		157.04
FREE PRICE NOWEIGHT		
0003	3	3.500
2%		6.98
Tomato		
0014	24	21.060
29%		84.06
Beef Sirloin		
0015	4	2.000
3%		10.00
Turkey		

c. Clerk report

- This reports ***all sales-related activities for 8 clerks.***
- This report includes such information as the ***number of clients*** (customers), ***clerks total sales amount, proportional percent of total sales amount, the amount and number of canceled transaction, the amount and number of discount,*** *transactions* ***and the amount of sales in cash and credit*** respectively.

⑥ Press VOID to go to clerk report mode, and PRINT press to print out the report.



Sample Report

CAS KOREA
02-31-820-1100
16/08/2004 16:25:25

OLD REPORT Z 16/08/2004 13:18:40

CLERKS REPORT

CLERK 1	
CLIENTS	11
TOTAL	152.57
COUNT	36
TOTAL PERCENT	52
TOTAL CANCEL	3.00
COUNT CANCEL	2
TOTAL DISCOUNT	1.70
COUNT DISCOUNT	2
TOTAL CASH	538.82
TOTAL CREDIT	10.00
CLERK 2	
CLIENTS	7
TOTAL	139.63
COUNT	7
TOTAL PERCENT	47
TOTAL CANCEL	0.00
COUNT CANCEL	0
TOTAL DISCOUNT	0.00
COUNT DISCOUNT	0
TOTAL CASH	256.20
TOTAL CREDIT	50.00
CLERK 3	
CLIENTS	1
TOTAL	1.99
COUNT	1
TOTAL PERCENT	1
TOTAL CANCEL	0.00
COUNT CANCEL	0
TOTAL DISCOUNT	0.00
COUNT DISCOUNT	0
TOTAL CASH	109.00
TOTAL CREDIT	0.00
CLERK 4	
CLIENTS	1
TOTAL	1.99
COUNT	1
TOTAL PERCENT	1
TOTAL CANCEL	0.00
COUNT CANCEL	0
TOTAL DISCOUNT	0.00
COUNT DISCOUNT	0
TOTAL CASH	109.00
TOTAL CREDIT	0.00

d. Group report

⑦ Go to ***the group report mode.***

Sample Report

CAS KOREA
82-31-820-1100
16/06/2004 16:49:37

OLD REPORT Z 16/06/2004 13:18:40

DEPART. REPORT

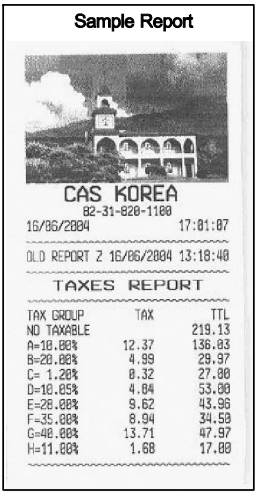
DEPART.	PART	TTL
A		
00	42%	226.69
B		
01	1%	3.00
D		
03	2%	8.97
F		
05	1%	4.00
H		
07	1%	7.00
J		
09	1%	8.00
L		
11	2%	9.00
N		
13	2%	10.00
P		
15	2%	11.00
R		
17	2%	12.00
T		
19	2%	13.00
V		
21	3%	14.00
X		
23	3%	15.00
Z		
25	21%	116.06
BBB		
27	4%	19.98
DDD		
29	1%	7.50
FFF		
31	3%	17.97
JJJ		
35	1%	6.00
LLL		
37	1%	7.00
OOO		
39	4%	24.00

e. Tax report

This report include 8 tax groups.
Total tax amount and sales amount for each tax groups.

■ Tax report: total tax amount and sales amount for each 8 tax groups.

Sample Report



f. Hourly, Daily, Weekly and Monthly sales, report

The same process as group report

■ Hourly sales report: hourly sales total amount, count, and percent for an hour.
■ Daily sales report: daily sales total amount, count, and percent for a day.
■ Weekly sales report: daily sales total amount, count, and percent for a week.
■ Monthly sales report: monthly sales total amount, count, and percent for a month.

g. Log report

CT100 can memory 1,000 transaction sales data. Each transaction data includes such a information as the sale data/time, PLU name, weight, unit price, total price.

⑧ Press VOID key to go to Log report mode.

⑨ User can select any between transaction data 1 and 1000 for setting range.
For example select 1~200 for log report.

⑩ Automatically print out the log report ranging from 1 to 200.

h. Total report

⑪ Press VOID key to go to total report mode, and print key to print out the report

Sample Report

CAS KOREA
82-31-828-1100
16/06/2004 17:01:19

OLD REPORT Z 16/06/2004 13:13:48

TIME REPORT

HOUR	COUNT	PERCENT	TTL
0	0	0%	0.00
1	0	0%	0.00
2	0	0%	0.00
3	0	0%	0.00
4	0	0%	0.00
5	0	0%	0.00
6	0	0%	0.00
7	0	0%	0.00
8	0	0%	0.00
9	0	0%	0.00
10	0	0%	0.00
11	0	0%	0.00
12	0	0%	0.00
13	32	18%	189.26
14	7	23%	141.84
15	0	0%	0.00
16	31	43%	259.71
17	9	16%	97.95
18	0	0%	0.00
19	0	0%	0.00
20	0	0%	0.00
21	0	0%	0.00
22	0	0%	0.00
23	0	0%	0.00

i. Closing report

This will set all of accumulated sums to zero and close all of daily sales activities by printing report.

■ If user already sets "report all" function "YES" in OPTIONS setting of program mode the scale will automatically print all the reports included such as PLU data list, PLU report, clerk report, group report, tax report, hourly, daily and monthly sales report by executing.

Chapter 9. SET 1 (Discount, Barcode formatting & HW setting)

This chapter explains how to set BAUD 1 rate, BAUD 2 rate, discount rate, barcode format for a single or total, and pulse length for operation cash drawer. In addition to these, it also describes how to printing darkness, input currency symbol or name, scale number, font type selection, and receipt number

Table 7 : SET 1

SET 1	Minimum	Maximum	Remark
BAUD 1 Rate (bps; bit per sec.) / BAUD 2 Rate	9600, 19200, 38400, 57600, 115200		User should turn off and on the scale after setting new "BaudRate".
Scale number (#)	1	99	
Receipt number	1	10	
Discount Rate (%)	0	99	
Barcode Format			
Cash Drawer-Opening Pulse (ms.)	1	99	
Printing Darkness	1	5	Default : 3
Currency Symbol or Name (characters)	0	3	IRAN Version Max = 4
Font	1	2	

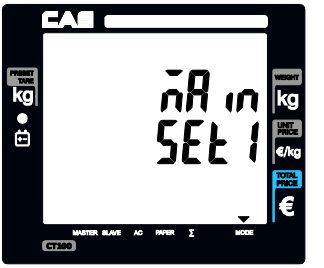
a. BAUD 1 rate (bps)

BAUD rate is the data-downloading or uploading speed between the scale and PC.
User may set appropriate one of 5 speed options depending on his/her usage environment.
This rate must match the baud rate of the com port(com1, com2, etc) in the PC.

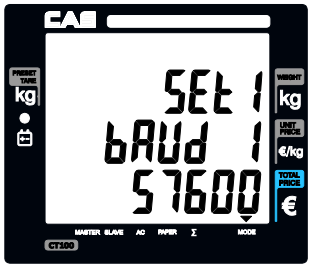
① Press

to enter main menu, and enter PASSWORD. And

to go to ***SET 1 mode.***



② Press PRINT to go to ***BAUD1 rate setting mode.***
User may input any one of options 9600~115200 To meet best usage environment. Please refer to ***"Table 7: SET 1"*** on page 66 for speed options. For example, select 57600.

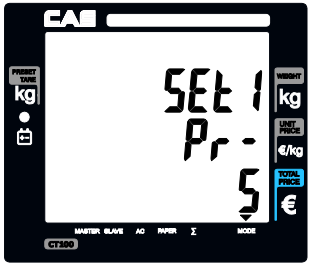


b. BAUD 2 rate (bps)

The same process as baud 1.

c. Discount rate(%)

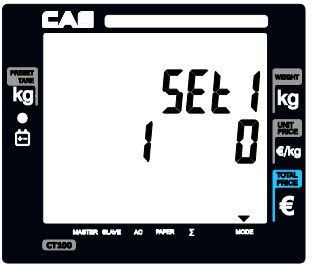
① Press VOID to go to ***Discount rate setting mode.***
This is to set programmed discount rate between 0~99%. For example, lets set 5 % of programmed discount rate.



d. Barcode format setting for a single transactions

① Press VOID to go to ***Barcode format setting for a single transaction mode.***

② Then, press PRINT again to get into input barcode String, using code table on page 112. Now you can input appropriate barcode string.



The barcodes are entered like string with specific format.

Barcode string: tMXNXNMXN...XN

▶ t : type of barcode(If the 'type pf barcode' is not specified then EAN13 is printed.)
- a : EAN13
- b : UPCA
- c : EAN8
- d : CODE128 type

▶ X : The following information can inserted at "X" location.
- W : weight
- U : init price
- P : total sum
- N : code of PLU
- B : number of receipt
- D : department
- C : vendor (1..4)
- V : price control sum(using only EAN13 type)
  ("**V**" can be inserted only before "***up to 5 digits for U (unit price)***" or "***up to 5 digits for P (total sum)***" to make sure price- related information.)
- M : number of sales in receipt

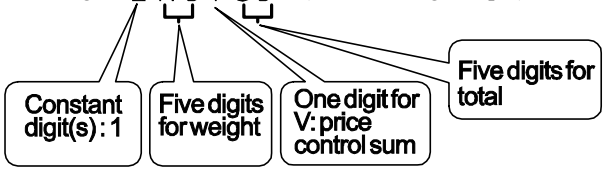
▶ N : number of digit(s)
▶ M : constant digit(s)

The parameter X specifies what will be printed. You can choose between several parameters and can set how many digits will be printed.
The parameter N after parameter X is a obligatory! It give the number of digits which will be printed from value specified with parameter X.
The constant digits M is not obligatory, they can be insert anywhere in the string between group XN and will be print unconditionally.
The total number of digits in the barcode after interpretation must be stay exactly :

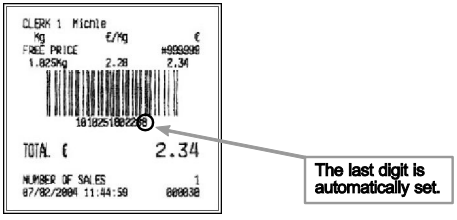
- **12 digits for EAN13 (1 digits by itself),**
- **11 digits for UPCA (1 digits by itself),**
- **7 digits for EAN8 (1 digits by itself),**
- **CODE128 have variable number of digits max 26.** (For this barcode are accepted only even number of digits. →Max Constant digits = 12digits)

If is set U, N or D type to total barcode then these values will be take from last sale!
If is set M for barcode for a single sale then value will be number of current sale.

☞ **Case 1 (EAN13 type) :**
Assumption:
- Weight -1.025
- Unit price - 2.28
- String- **"1W5VU5"** (total is 12 digits input)Then,



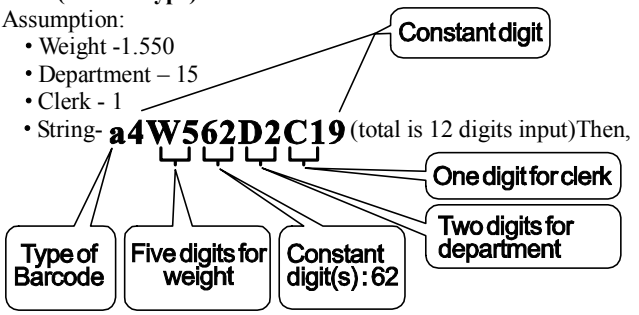
Barcode -> 1 01025 1 00228 (total is 12 digits input)



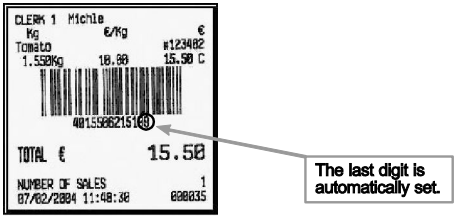
☞ **Case 2 (EAN13 type) :**

Assumption:

- Weight -1.550
- Department – 15
- Clerk - 1
- String- **a4W562D2C19** (total is 12 digits input)Then,



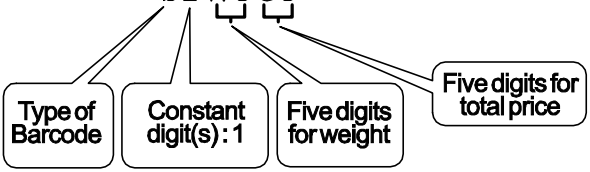
Barcode -> 4 01550 62 15 1 9 (total is 12 digits input)



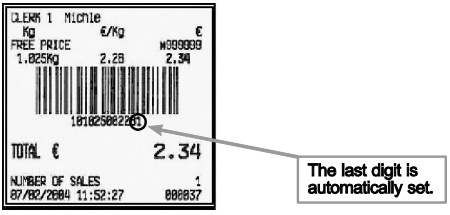
☞ **Case 3 (UPCA type) :**

Assumption:

- Weight -1.025
- Unit price - 2.28
- String- **"b1W5U5"** (total is 11 digits input)Then,



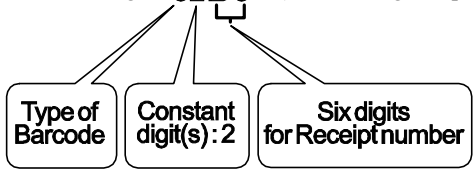
Barcode -> 1 01025 00228 (total is 11 digits input)



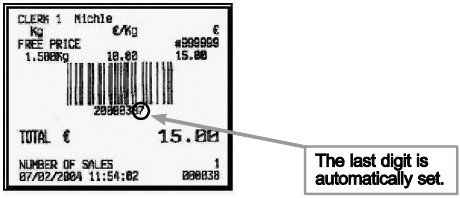
☞ **Case 4 (EAN8 type) :**

Assumption:

- Number of receipt - 000579
- String- **"c2B6"** (total is 7 digits input) Then,



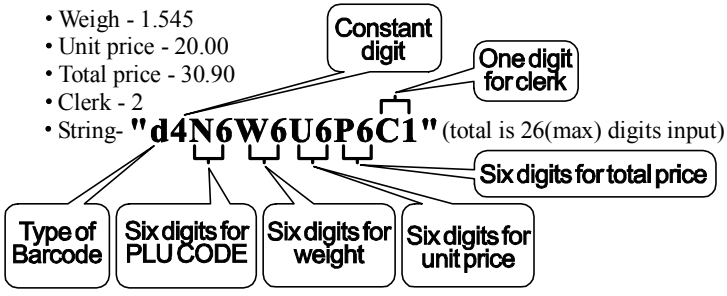
Barcode -> 2 000038 (total is 7 digits input)



☞ **Case 5 (CODE128 type) :**

Assumption:

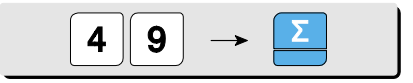
- CODE of PLU - 551256
- Weigh - 1.545
- Unit price - 20.00
- Total price - 30.90
- Clerk - 2
- String- **"d4N6W6U6P6C1"** (total is 26(max) digits input)

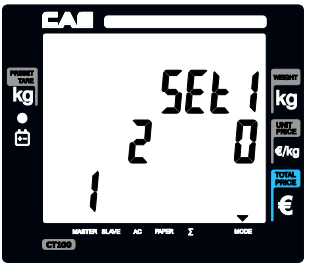


Barcode -> 4 551256001545 002000 003090 2 (total is 26 digits input)

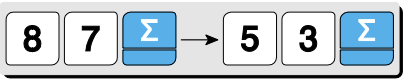
Lets try to set barcode for above case 1. User should input codes- 49, 87,53, 86, 85, 53- for barcode string, **1W5VU5.**

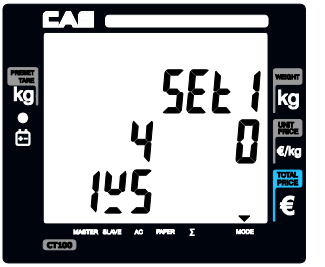
③ Press [4] [9] and [Σ] to input "1", the first digit of string in ***barcode for a single sale setting mode.***



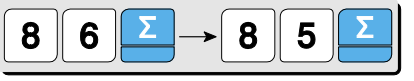


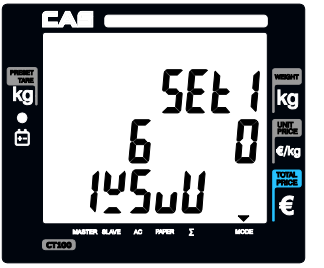
④ Press the following keys to continue to input barcode string.



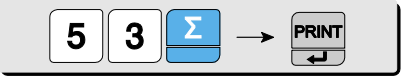


⑤ Press the following keys to continue to input barcode string.





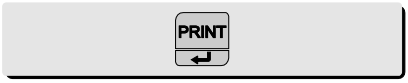
⑥ Press the following keys to continue to input barcode string.

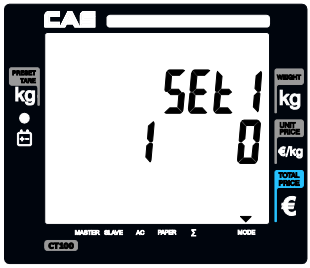


e. Barcode format setting for total

① Press VOID to go to ***Barcode format setting for a total transaction mode.***

② Then, press PRINT again to get into input barcode string using code table on page 112. Now you can to input appropriate barcode string.

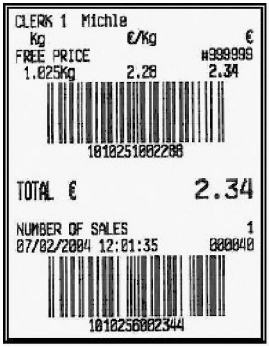




■ Same method as ***"d. barcode format setting for a single transaction."***

Example : Single Barcode Format = 1W5VU5 (EAN13)
Total Barcode Format = 1W5VP5 (EAN13)

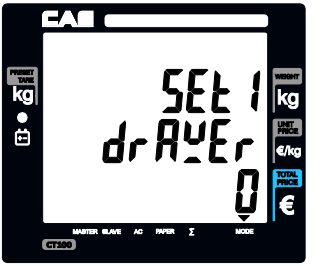
- Weigh - 1.545
- Unit price - 2.28
- Total price - 2.34



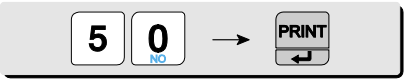
f. Setting pulse length to open cash drawer

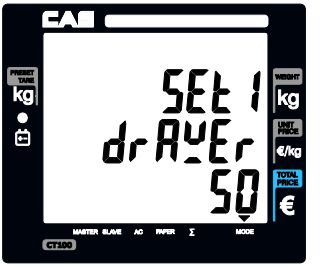
■ CT100 may be used with cash drawer 12 volts DC.
■ Default for pulse length of cash drawer is 50 msec (50/1000 second). However, user can select any of 1~99 ms, which is best fit for user's own cash drawer.

① Pulse length setting mode.



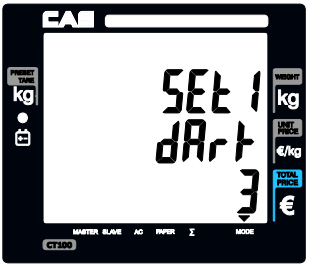
② Press appropriate numeric key to set pulse length of 1~99 (ms) and PRINT to save it. For example, set 50 ms.



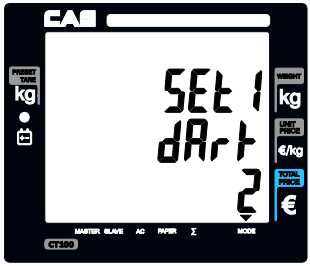


g. Printing darkness setting

① Printing darkness setting mode. User may set the darkness 1~5 and the default setting is 3.

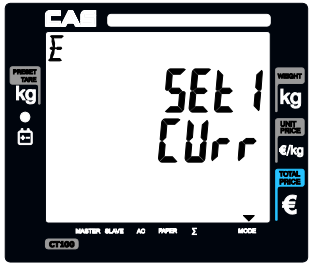


② Press appropriate numeric key to set printing darkness of 1~5 and PRINT to save it. For example, set 2.
"5" is the most dark set.

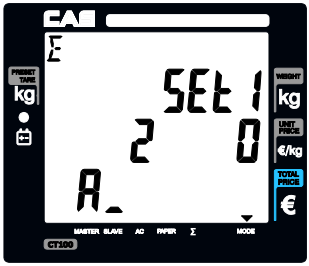


h. Currency symbol or name

① Currency symbol or name setting mode. User can input appropriate characters for currency, using code table on page 112. Maximum number of character is 3.
Let's try to input "€ " for Euro.



② Input "128" for € symbol.



③ Press PRINT to save it.

i. Scale number

Scale number is for scale's characteristic. User can select 1~99.

j. Font number

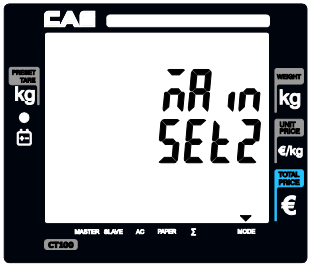
Currently CT100 support 2 type fonts. Arial and New Times Roman.

Chapter 10. SET 2 (Date, Time, Password, erase PLU data & Default setting)

This chapter explains how to set date and time, erase all of PLU data. In addition to these functions it also shows how to do one-touch default setting.

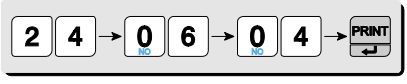
a. Date & time

① Press ESC to enter main menu, and enter PASSWORD. And then press VOID , PRINT go to ***SET 2 mode from main menu.***

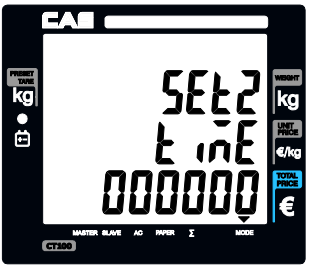


② Press PRINT to go to ***date setting mode.***

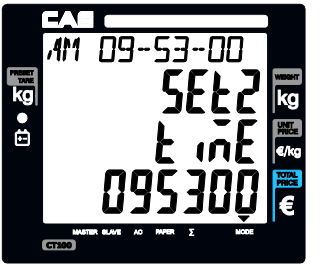
③ Press any numerical keys you wish to input. For example, let's input "24/06/2004" as date, and press PRINT to save date.

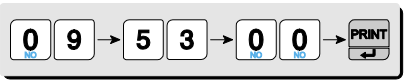


④ Press VOID to go to ***Time Setting mode.***



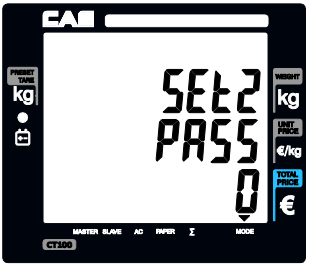
⑤ Press any numeric keys you wish to input.
For example, lets input "09:53:00" as time, and press PRINT to save time.



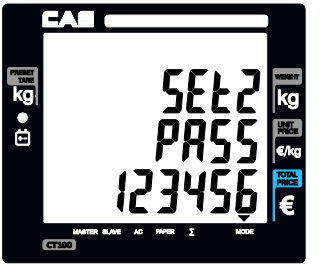


b. Password setting

① Press VOID to go to Password Setting mode.

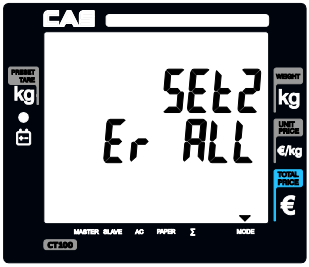


② Press any numeric key you wish to input.
CT100 use number between 0 to 999999 for password.
For example, lets input “123456” and press PRINT to save password.



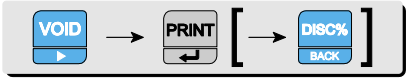
c. One touch PLU data erasing & default setting

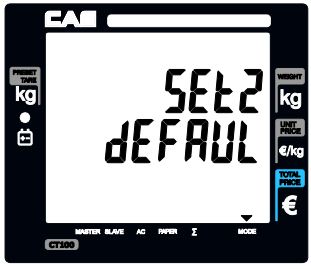
① Press VOID to go to erase PLU, header and footer message.



② Press PRINT to erase all PLU data.

③ Press VOID to go to ***default setting mode.*** Then, press PRINT to set default. (you can exit to normal weighing mode using ESC).





Default

<SET1>

- COM1 Baud Rate (bps) = 115200
- Discount Rate = 0%
- Printing Darkness = 3
- Font = 1
- COM2 Baud Rate (bps) = 115200
- Cash Drawer-Opening Pulse = 50ms
- Currency = €
- Scale = 1

<OPTION>

- Duplicate receipt = No
- Image (graphic logo) = No
- Printing barcode for a single of transaction = Yes
- Printing barcode for total transaction = Yes
- Obligatory Payment = No
- Discount = Yes
- PLU code printing = No
- Printing all reports = No
- Printing tax = Yes
- Auto Backlight off time = 5 (sec)
- Saving PLU after transaction = No

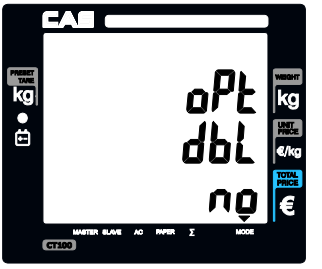
Chapter 11. OPTIONS (Receipt Formatting)

This chapter explains how to enable/disable back light and save PLU after transaction. duplicate receipt, printing barcode for a single transaction or total. It also explains how to enable/disable printing graphic logo on receipt, code of PLU and all of reports in the closing report. Furthermore, this chapter explains how to you to set obligatory payment function and discount function.
The option setting is ***receipt-formatting functions*** except obligatory payment and discount functions.

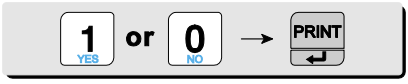
a. Duplicate receipt

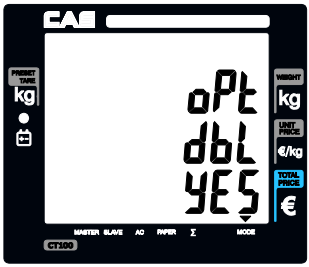
① Press (M ESC) to enter main menu, and enter PASSWORD. And then press (VOID) to get into option setting mode form main menu.

② And then press (PRINT) to get into ***duplicate ticket printing setting mode.***



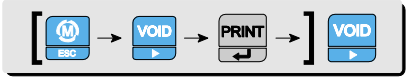
③ User may select YES or NO by pressing "1" or "0" respectively, and press PRINT to save it. Use "C" key to change "1" or "0" input before saving by pressing PRINT .



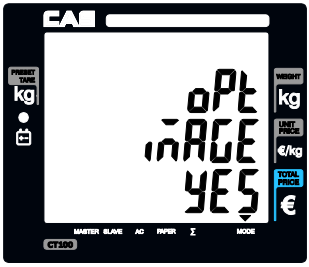


b. Image (graphic logo)

① (Using ESC key and VOID go to ***option setting mode*** from main menu. And then press PRINT) VOID to get into ***image setting mode.***



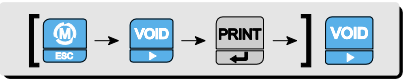
② User may select YES or NO by pressing "1" or "0" respectively, and press PRINT to save it. Use "C" key to change "1" or "0" input before saving by pressing PRINT .

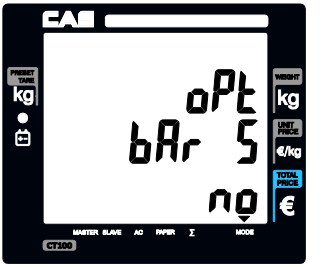


**** Image : Yes = printing graphic logo on receipt***

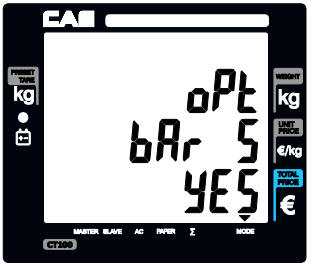
c. Printing barcode for a single of transaction

① (Using [M ESC] key and [VOID ▶] go to ***option setting mode*** from main menu. And then press [PRINT ↵]) [VOID ▶] to get into ***barcode printing for a single of transaction setting mode.***



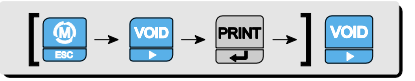


② User may select YES or NO by pressing "1" or "0" respectively, and press [PRINT ↵] to save it. Use "C" key to change "1" or "0" input before saving by pressing [PRINT ↵] .

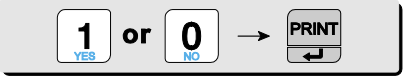


d. Printing barcode for total transaction

① (Using [M ESC] key and [VOID ▶] go to ***option setting mode*** from main menu. And then press [PRINT ↵]) [VOID ▶] to get into ***barcode printing for total transaction setting mode.***



② User may select YES or NO by pressing "1" or "0" respectively, and press [PRINT ↵] to save it. Use "C" key to change "1" or "0" input before saving by pressing [PRINT ↵] .



Barcode Prining Sample Receipts

Both of Single & Total Barcode

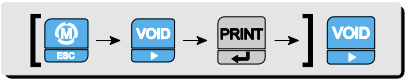
Single Barcode Only

Total Barcode Only

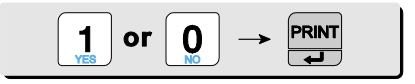
NO Barcode Printing

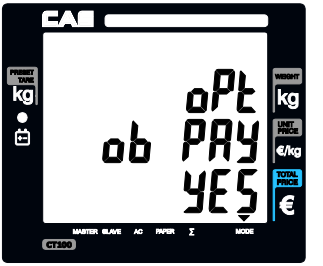
e. Obligatory payment

① (Using [ESC] key and [VOID] go to ***option setting mode*** from main menu. And then press [PRINT]) [VOID] to get into ***obligatory payment option mode.***



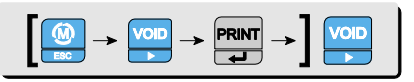
② User may select YES or NO by pressing "1" or "0" respectively, and press [PRINT] to save it.

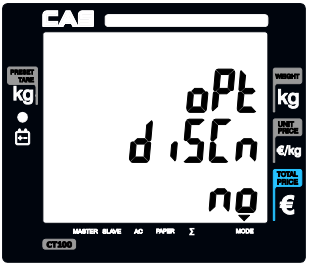




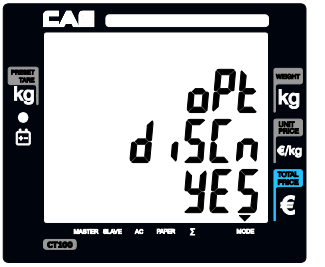
f. Discount

① (Using [ESC] key and [VOID] go to ***option setting mode*** from main menu. And then press [PRINT]) [VOID] to get into ***discount option mode.***



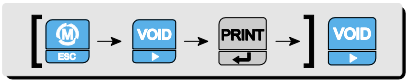


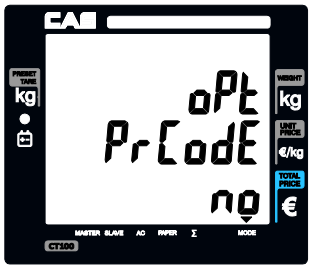
② User may select YES or NO by pressing "1" or "0" respectively, and press [PRINT] to save it.



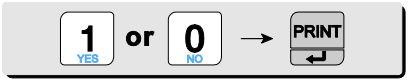
g. Printing PLU code

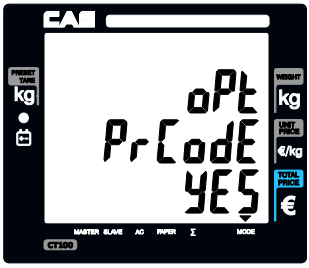
① (Using ESC key and VOID go to ***option setting mode*** from main menu. And then press PRINT) VOID to get into ***PLU code printing mode.***





② User may select YES or NO by pressing "1" or "0" respectively, and press PRINT to save it.

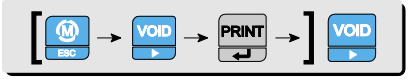




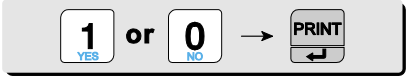
h. Printing all reports

■ Select "YES" for all reports printed or "No" for only closing without other reports when executing "close".

① (Using ESC key and VOID go to ***option setting mode*** from main menu. And then press PRINT) VOID to get into ***all report printing mode.***

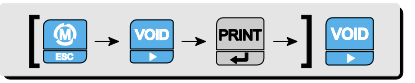


② User may select YES or NO by pressing "1" or "0" respectively, and press PRINT to save it.

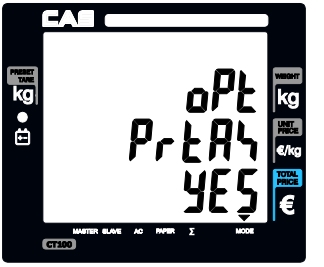


i. Printing tax

① (Using [M ESC] key and [VOID] go to ***option setting mode*** from main menu. And then press [PRINT]) [VOID] to get into ***tax printing mode.***

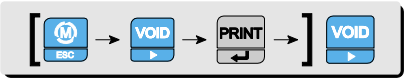


② User may select YES or NO by pressing "1" or "0" respectively, and press [PRINT] to save it.

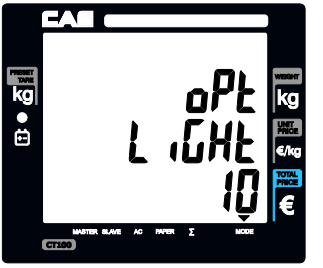


j. Auto back light off time (Battery mode)

① (Using [M ESC] key and [VOID] go to ***option setting mode*** from main menu. And then press [PRINT]) [VOID] to get into ***back light setting mode.***

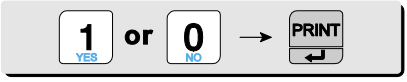


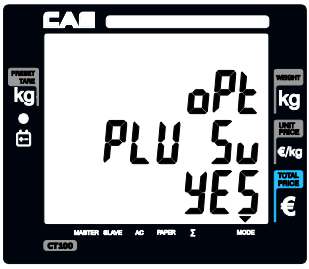
② Print appropriate numeric key to set time of 1~99(sec) and [PRINT] to save it.
For example, set 10 sec.
(0 = not use.)



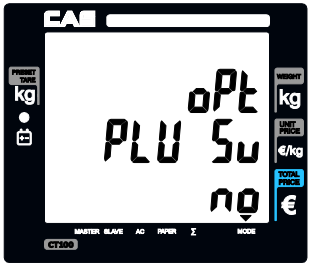
k. Saving PLU

① (Using [ESC] key and [VOID] go to ***option setting mode*** from main menu. And then press [PRINT]) [VOID] to get into ***PLU saving mode.***





② User may select YES or NO by pressing "1" or "0" respectively, and press [PRINT] to save it.



Chapter 12. CLERK

This chapter explains what kind of clerk modes there are and how different they are. In addition, it shows how to input name of clerk 1~8.

a. Clerk mode

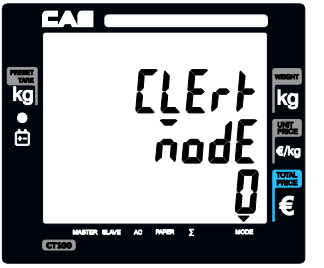
There are three different type of clerk modes. **max number of sales per CLERK : 99**

Table 3 : Clerk Mode

Modes	Description	Receipt Printing
0	***All clerks*** can use the scale for a series of sales activity.	It prints ticket (receipt) including each item and total information.
1	***Only one clerk*** can use the scale for a series of sales activity. However, other clerk can use the scale for other series of sales activities in this mode.	It prints only part of ticket (receipt), which a transaction is made, and prints total amount after a series of transactions are completed.
2 (Supermarket mode)	***Only one transaction per clerk*** at a moment.	It prints Label (receipt) only for one transaction per clerk.
3 (Label-1 Mode)	***Only one transaction per clerk*** at a moment.	It prints Label (receipt) only for one transaction per clerk.
4 (Label-2 Mode)	***Only one transaction per clerk*** at a moment.	Using key and go to clerk setting mode from main menu.

① Press (M ESC) to enter main menu, and then press PASSWORD. And press (VOID) enter clerk setting mode.

② User may select one of three clerk modes, "0", "1", or "2" by inputting appropriate numeric key. For example, "0" here. Then, save it by pressig (PRINT) .

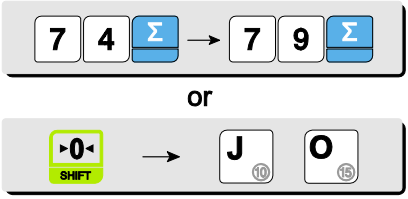


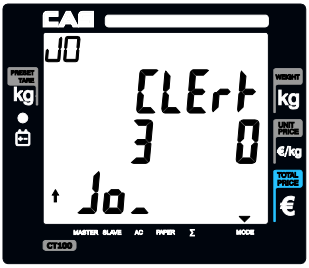
b. Clerk name input: 1~8

① (Using ESC key and VOID , PRINT go to ***clerk name setting mode*** from main menu.

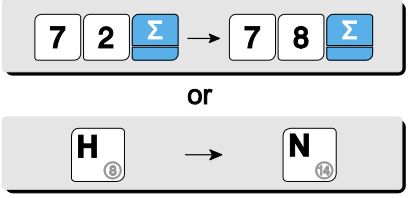
② Press PRINT to get into ***clerk name 1 setting*** mode. User may input up to 16 characters in accordance to "code table" on page 112. For example, lets input "JOHN KIM" as clerk name 1.

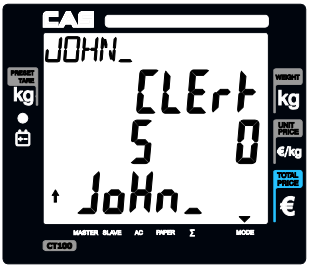
③ Input clerk' name using appropriate numeric keys in accordance to "code table" on page 112.



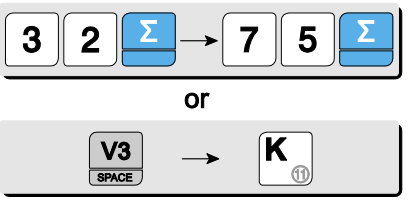


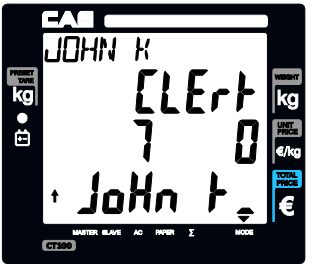
④ Input clerk' name using appropriate numeric keys in accordance to "code table" on page 112.



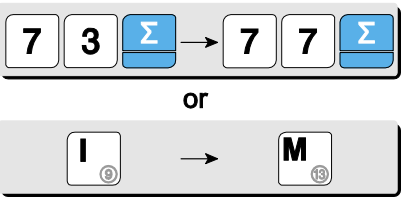


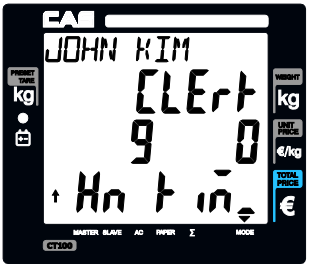
⑤ Input clerk' name using appropriate numeric keys in accordance to "code table" on page 112.



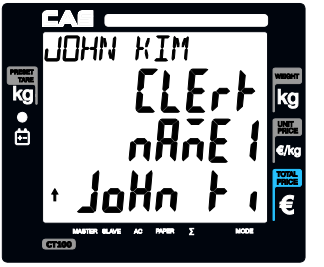


⑥ Input clerk' name using appropriate numeric keys in accordance to "code table" on page 112.





⑦ After finishing clerk name input save it by pressing PRINT .



* Whenever user wants to go back to main menu use .
* User may input other clerk names as above up to 8 names.
* When user wants lower case, press shift key.

Chapter 13. LOGO

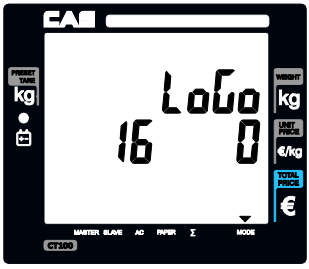
This chapter explains how to input header and footer on the ticket (receipt). Users may input up to **6 header** and **2 footer lines,** which each line may have **up to 32 characters,** using "code table".

a. Header & Footer setting

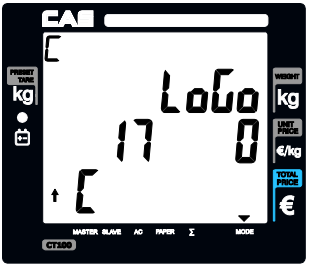
① Press ESC to enter main menu, and enter PASSWORD. And then press VOID , PRINT go to Logo setting mode form main menu.

② Press PRINT to get into Headline 1 setting mode.

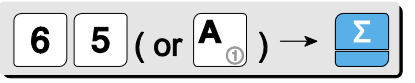
③ Press PRINT and input appropriate numeric keys to input codes in the headline 1.
For example, lets input "CAS" at 16th space in the first headline.

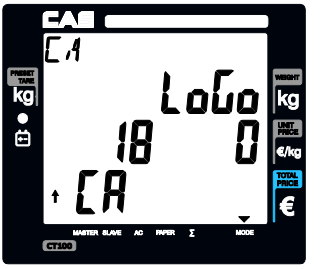


④ Press appropriate numeric keys.

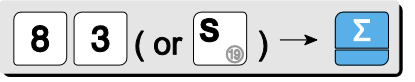


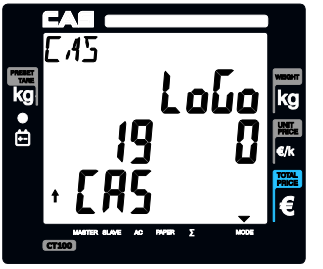
⑤ Press appropriate numeric keys.



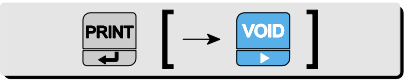


⑥ Press appropriate numeric keys.

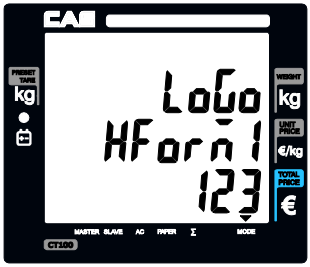




⑦ Press PRINT to save the first headline. And user may press VOID to go to input next headline ***(storable up to 6 header & 2 footer lines),*** and exit using DISC% BACK .

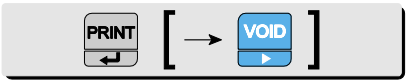


⑧ Enter Headline 1 font format setting value.
For example, We can match 123's meaning.
Below as XYZ (123 = XYZ)



X(font type)	1 = Standard, 2 = Bold
Y(font size)	1 = Standard, 2= Double width, 3 = Double Height, 4 = Double
Z(alignment)	1 = left, 2 = center, 3 = right

⑨ Press PRINT to save the first headline font format.
And user may press VOID to go to input next
Headline font format and exit using DISC% BACK .



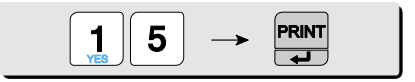
Chapter 14. TAX RATE GROUP

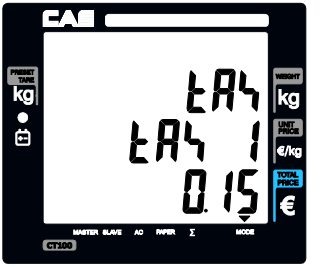
This chapter explains how to set tax rate group. User may set up to ***8 different tax rate groups; 1~8,*** and then store a specific tax group when he/she inputs PLU data.

① Press (M) ESC to enter main menu, and enter PASSWORD. And then press VOID ▶ , PRINT ↵ go to ***tax rate group setting mode*** from main menu.

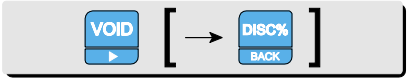
② Press PRINT ↵ to get into ***tax rate group 1 setting mode.***

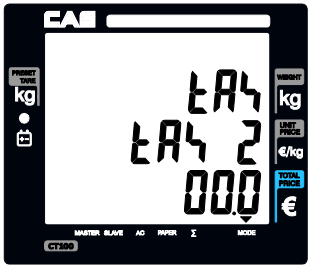
③ Press appropriate numeric keys (0.00~99.99%) to input tax rate for group 1. For example, press 1 YES 5 input "0.15%" for tax rate group A, and PRINT ↵ to save it.





④ User may press VOID to go to input next tax rate group 2~8. And exit using DISC% BACK .





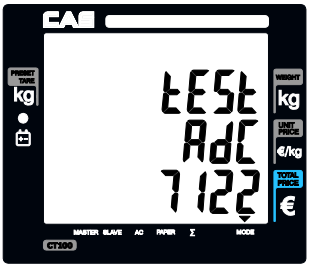
Chapter 15. TEST

This chapter explains how to test hardware in the following aspects.

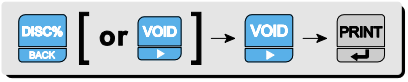
- ■ ADC (Analog Digital Converter): the digital value converted from analogvalue.
- ■ SPAN
- ■ Display : self-test
- ■ Keyboard
- ■ Memory
- ■ Printer : self-test
- ■ Battery : tested only in ***unplugged condition,*** showing value between 0 to 100 percent.

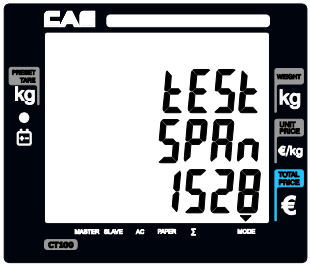
① Press ESC to enter main menu, and enter PASSWORD. And then press VOID , PRINT go to ***test setting mode*** from main menu.

② Press PRINT to get into ***ADC test mode.*** Then press PRINT again to show current ADC value.

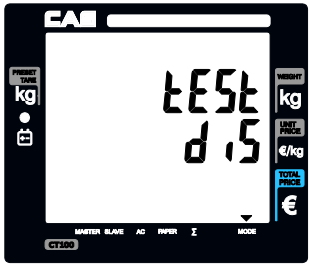


③ After making sure the ADC value press DISC% BACK (or VOID) to get back to ***ADC test mode.*** Then press VOID again to go to next test mode, ***SPAN test mode.***

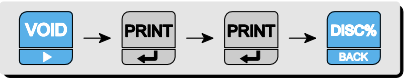


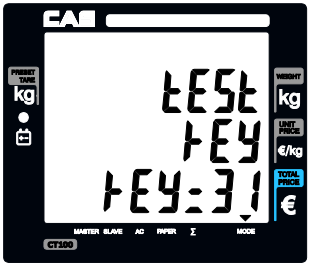


④ After making sure the SPAN value press DISC% BACK (or VOID) to get back to ***SPAN test mode*** and press VOID again to go to next ***Display test mode.*** Then test display automatically by pressing PRINT .

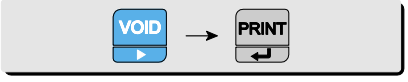


⑤ Press VOID go to next ***Keyboard test mode.*** In this mode user may press any key and a specific number (ex. 31 PRINT) comes up on total price display (first line of display) except DISC% BACK because DISC% BACK is used for exit out of current mode.





⑥ Press VOID to go to ***Memory test mode.*** Then press PRINT to test. Display will show either "PASS" or "Error" in a few second. Please refer to **"Table 15:Error Messages"** on page 116 when "Error" comes up.



⑦ Press VOID to go to ***Printer self-test mode.***

Then, press PRINT to test the printer and show current voltage on the display.

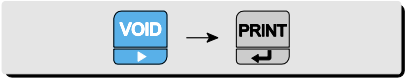
```
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
model: CT100  UNV1.18
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

10/12/2011 11:43:13
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

        CHAR GENERATOR
 !"#$%&'()*+,-./0123456789:;<=>?
@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_
`abcdefghijklmnopqrstuvwxyz{|}~
€ ‚ƒ„…†‡ˆ‰Š‹ŒŽ‘’“”•–—˜™š›œžŸ
 ¡¢£¤¥¦§¨©ª«¬-®¯°±²³´µ¶·¸¹º»¼½¾¿
ÀÁÂÃÄÅÆÇÈÉÊËÌÍÎÏÐÑÒÓÔÕÖ×ØÙÚÛÜÝÞß
àáâãäåæçèéêëìíîïðñòóôõö÷øùúûüýþÿ
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

COM1 RS Baud Rate:     115200 bps
COM2 RS Baud Rate:     115200 bps
SCALE No:                     1
Discount:                    0%
Drawer Open Time:           0ms
Clerk Mode:           All Clerks
Print Duplicate:              NO
Print Graphical Logo:         NO
Print Single Bar:            YES
Print Total Bar:             YES
Obligatory Pay:               NO
Discount Enable:             YES
Print PLU's code:             NO
Use Backlight:               YES
Save PLU:                     NO
Single Bar:             a44W5U5
Total Bar:              a44W5U5
```

⑧ Press VOID to go to ***Battery voltage mode.***
Then, press PRINT to see remained voltage percentage.
For example, Pb battery currently remain 75%.



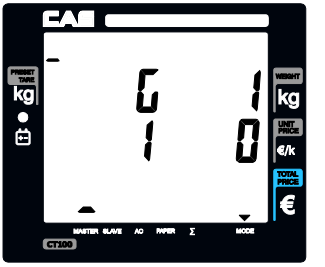
Chapter 16. GROUP

This chapter explains how to input group name. Users may input up to 1~99, which each group name may have **up to 32 characters,** using "code table" on 112 page.

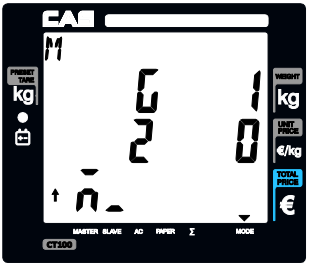
① Press (M ESC) to enter main menu, and enter PASSWORD. And then press (VOID ▶) .

② Press (PRINT ↵) to get into Group name setting mode.

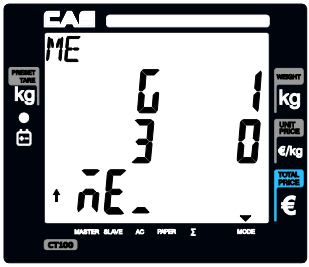
③ Press (PRINT ↵) and input appropriate numeric keys to input codes in the Group name (refer to page 112). For example, lets input "MEAT".



④ Press appropriate numeric keys.

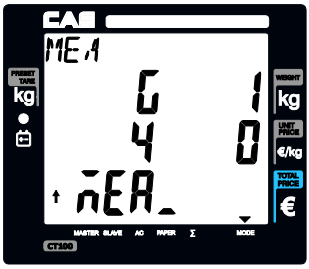


⑤ Press appropriate numeric keys.



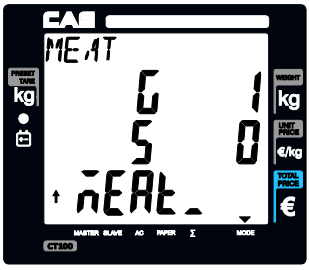
6 9 (or E ⑤) → Σ

⑥ Press appropriate numeric keys.



6 5 (or A ①) → Σ

⑦ Press appropriate numeric keys.



8 4 (or T ㉑) → Σ

⑧ Press PRINT to save user may press Σ to go to input next Group name ***(storable up to 99),*** and exit using DISC% BACK .

PRINT [→ Σ]

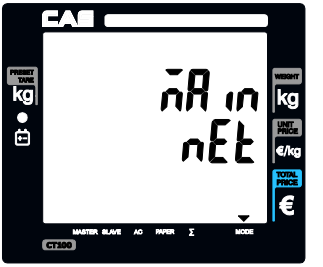
Chapter 17. Network

This chapter explains how to set IP, Gateway and Subnet mask (Ethernet option)

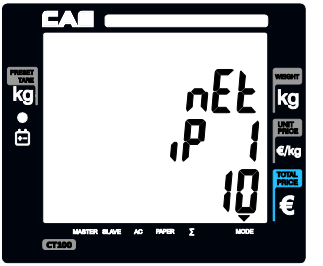
Table 8 : Network setting example

LAN	Example	Remark
Local IP	192.168.0.100	
Gate way	192.168.0.1	
Subnet mask	255.255.0.0	

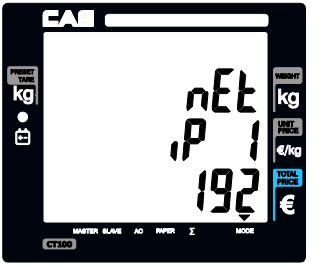
① Press (M ESC) to enter main menu, and enter PASSWORD. And then press (VOID) go to network setting mode from main menu.



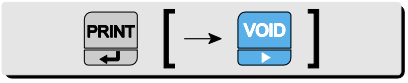
② Press (PRINT) to get into network setting mode.

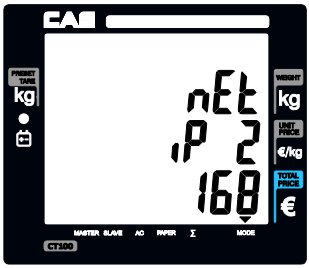


③ Press (PRINT) and input appropriate numeric keys.



④ Press PRINT to save the first headline. And user may press VOID to go to input next IP. Gateway and Subnet mark setting, and exit using DISC% BACK





* User should turn off and on the scale after network setting.

Chapter 18. Wireless LAN

This chapter explains how to set Wireless LAN setting. User may input SSID and Password using “code table” on 112 page. (Ethernet option)

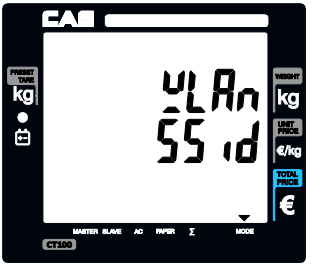
Table 9 : WLAN

WLAN	Minimum	Maximum	Remark
SSID	0	32	
Password	0	64	
Security type	0	5	0 : No 1 : WEP64 2 : WEP128 3 : WPA-TKIP 4 : WPA-CCMP 5: WPA2-CCMP

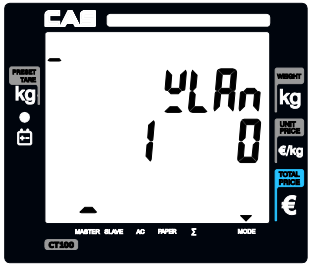
a. SSID

① Press (M ESC) to enter main menu, and enter PASSWORD. And then press (VOID) go to WLAN setting mode from main menu.

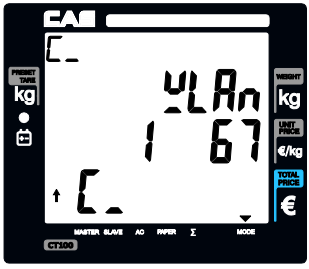
② Press (PRINT) to get into WLAN setting mode.



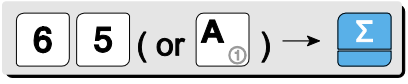
③ Press PRINT and input appropriate numeric keys to input codes in the SSID (refer to page 112). For example, lets input "CAS".

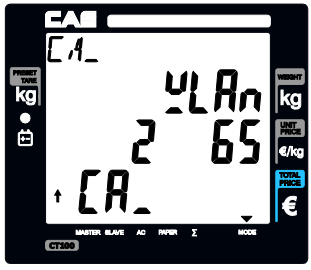


④ Press appropriate numeric keys.

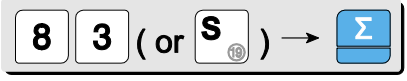


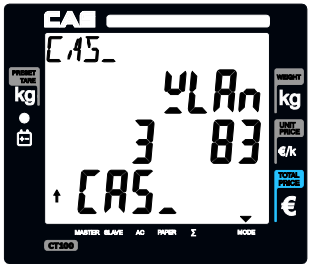
⑤ Press appropriate numeric keys.





⑥ Press appropriate numeric keys.

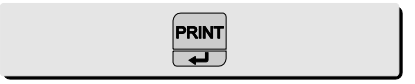




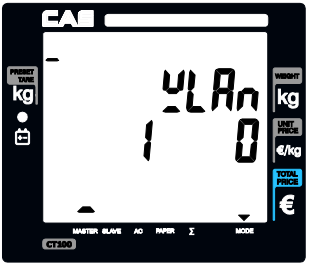
⑦ Press PRINT to save SSID. And user may press VOID to go to next setting and exit using DISC% BACK .

b. Password

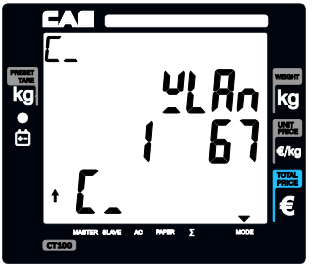
① Press PRINT to get into WLAN Password setting mode.



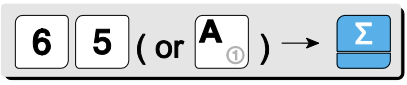
② Press PRINT and input appropriate numeric keys to input codes in the Password (refer to page 112). For example, lets input "CASTOPNO1".

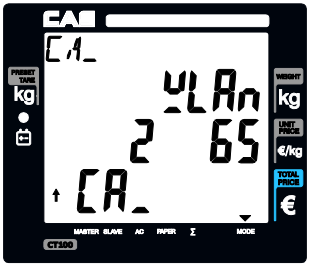


③ Press appropriate numeric keys.

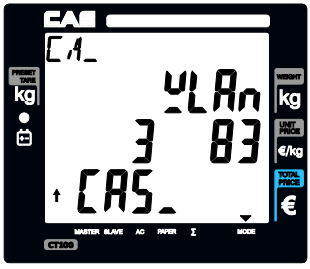


④ Press appropriate numeric keys.

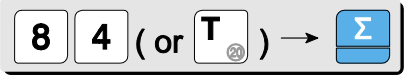




⑤ Press appropriate numeric keys.

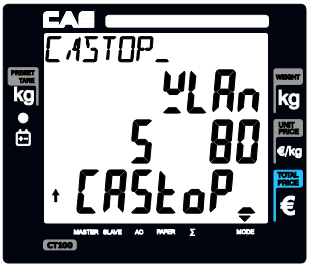


⑥ Press appropriate numeric keys.

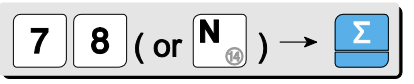


⑦ Press appropriate numeric keys.

⑧ Press appropriate numeric keys.

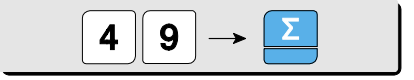


⑨ Press appropriate numeric keys.

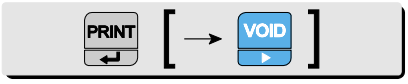


⑩ Press appropriate numeric keys.

⑪ Press appropriate numeric keys.

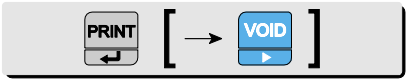


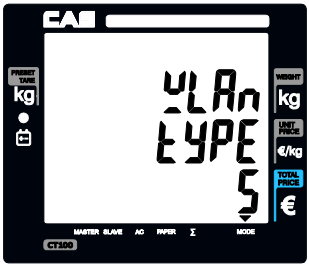
⑫ Press PRINT to save the PASS. And user may press VOID to go to next setting, and exit using DISC% BACK .



c. Security type

① User may set the security type.
Please refer to " Table 9 : WLAN" on the page 103. For example, select 5.





② Press PRINT to save the TYPE. And user may press VOID to go to next setting, and exit using DISC% BACK .

* After WLAN setting. User press →T←, and wait until show on the display. Then User should turn off and turn on the scale.

Chapter 19. RS-485

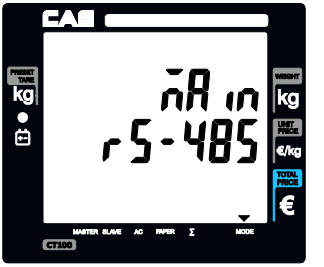
This chapter explains how to set RS-485 mode (RS-485 option)

Table 10 : RS-485

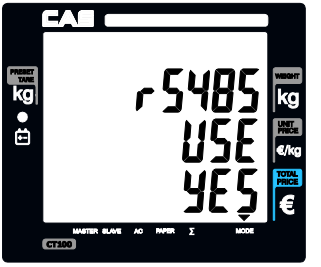
RS-485	Minimum	Maximum	Remark
Scale ID	1	6	
Use RS-485 mode	Yes or No		
BAUD Rate (bps; bit per sec.)	9600, 19200, 38400, 57600, 115200		User should turn off and on the scale after setting new "Baud Rate".
Master	Yes or No		Master Scale = Yes Salve Scale = No
Slave 1 ~ 6	Yes or No		Connect Scale = Yes Disconnect Scale = No

a. Use RS-485

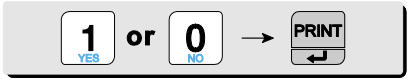
① Press ESC key to enter main menu, and enter PASSWORD. And then press VOID go to ***RS-485 setting mode*** from main menu.

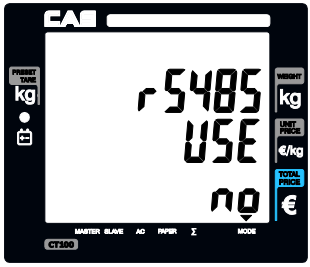


② Press PRINT to get into RS-485 setting mode.



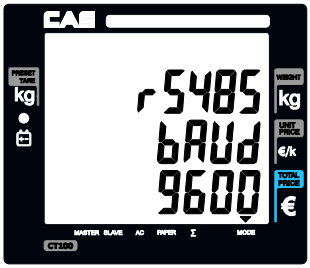
③ User may select YES or NO by pressing "1" or "0" respectively, and press PRINT to save it. Use "C" key to change "1" or "0" input before saving by pressing PRINT .





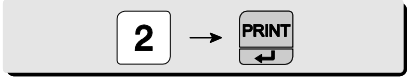
b. BAUD rate

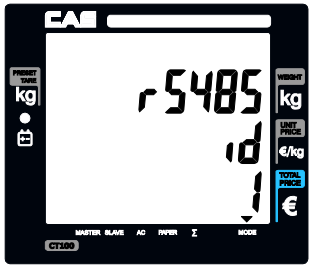
① Baud rate is the communication speed between the scale and scale.
User may set appropriate one of 5 speed options depending on his/her usage environment.
This rate must match the baud rate of other scales. (default : 9,600)



c. Scale ID

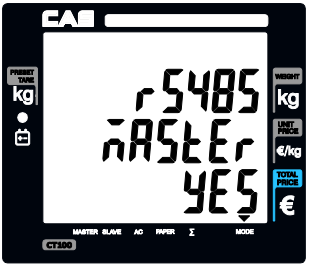
① Scale ID setting mode.
User may set the scale ID 1~6 and PRINT to save it.
For example, set 1.
"1" is master scale
"2" ~ "6" is slave scale.





d. Master

① User select YES or NO by pressing "1" or "0" respectively, and press PRINT to save it.



e. Slave 1~6

① User select YES or NO by pressing "1" or "0" respectively, and press PRINT to save it.

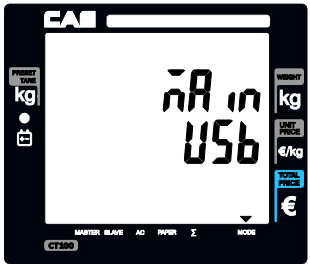
YES is connect
NO is disconnect

② Press PRINT to set the slave 1 scale.
And user may press VOID to go to set next slave scale.
And exit using DISC%

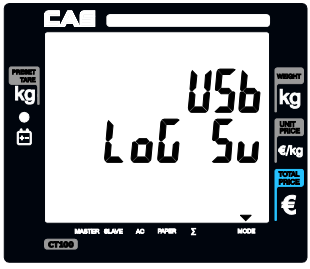
Chapter 20. USB

This chapter explains how to save transaction data. Users may get the sales result up to 1,000. Which each data may have data such as date, time, PLU name, weight, unit price, total price and etc. (USB host option)

① Press [M ESC] key to enter main menu, and enter PASSWORD. And then press [VOID ▶] go to ***USB host setting mode*** from main menu.

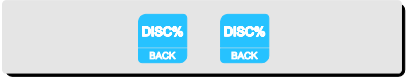


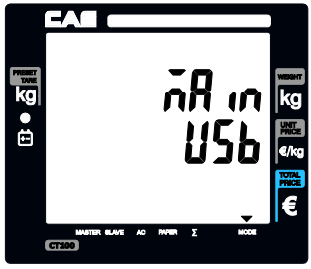
② Press [PRINT ↵] to get into USB host setting mode.



③ Press [PRINT ↵] and want show "END" on the display.

④ Press [DISC% BACK] to exit.





CODE [MS 1250 Windows Central Europe]

Table 11 : Code [MS 1250 Windows Central Europe]

33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
!	“	#	$	%	&	‘	(	)	*	+	,	-	.	/	0
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
1	2	3	4	5	6	7	8	9	:	;	<	=	>	?	@
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^	_	`
97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
q	r	s	t	u	v	w	x	y	z	{	|	}	~	□	€
129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144
□	‘	□	„	…	†	‡	□	‰	Š	‹	Ś	Ť	Ž	Ź	□
145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
‘	’	“	”	•	–	—	□	™	š	›	ś	ť	ž	ź	
161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176
ˇ	˘	Ł	¤	Ą	¦	§	¨	©	Ş	«	¬	-	®	Ż	°
177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
±	˛	ł	´	µ	¶	·	¸	ą	ş	»	Ľ	˝	ľ	ż	Ŕ
193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208
Á	Â	Ă	Ä	Ĺ	Ć	Ç	Č	É	Ę	Ë	Ě	Í	Î	Ď	Đ
209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224
Ń	Ň	Ó	Ô	Ő	Ö	×	Ř	Ů	Ú	Ű	Ü	Ý	Ţ	ß	ŕ
225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
á	â	ă	ä	Í	ć	ç	č	é	ę	ë	ě	í	î	ď	đ
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	
ń	ň	ó	ô	ő	ö	÷	ř	ů	ú	ű	ü	ý	ţ	˙	

Code [MS 1251 Windows Cyrillic(Slavic)]

Table 12: Code [MS 1251 Windows Cyrillic(Slavic)]

33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
!	“	#	$	%	&	‘	(	)	*	+	,	-	.	/	0
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
1	2	3	4	5	6	7	8	9	:	;	<	=	>	?	@
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^	_	`
97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
q	r	s	t	u	v	w	x	y	z	{	|	}	~	□	Ђ
129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144
Ѓ	‘	ѓ	„	…	†	‡	€	‰	Љ	‹	Њ	Ќ	Ћ	Џ	ђ
145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
‘	’	“	”	•	–	—	□	™	љ	›	њ	ќ	ћ	џ	
161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176
Ў	ў	Ј	¤	Ґ	¦	§	Ё	©	Є	«	¬	-	®	Ї	°
177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
±	І	і	ґ	µ	¶	·	ё	№	є	»	j	S	s	ї	A
193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208
Б	В	Г	Д	Е	Ж	З	И	Й	К	Л	М	Н	О	П	Р
209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224
С	Т	У	Ф	Х	Ц	Ч	Ш	Щ	Ъ	Ы	Ь	Э	Ю	Я	а
225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
б	в	г	д	е	ж	з	и	й	к	л	м	н	о	п	р
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	
с	т	у	ф	х	ц	ч	ш	щ	ъ	ы	ь	э	ю	я	

Code [MS 1252 Windows Latin-1]

Table 13 : Code [MS 1252 Windows Latin-1]

33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
!	“	#	$	%	&	‘	(	)	*	+	,	-	.	/	0
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
1	2	3	4	5	6	7	8	9	:	;	<	=	>	?	@
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^	_	`
97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
q	r	s	t	u	v	w	x	y	z	{	|	}	~	□	€
129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144
□	‘	ƒ	„	…	†	‡	ˆ	‰	Š	‹	Œ	□	Ž	□	□
145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
‘	’	“	”	•	–	—	˜	™	š	›	œ	□	ž	Ÿ	
161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176
¡	¢	£	¤	¥	¦	§	¨	©	ª	«	¬	-	®	¯	°
177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
±	²	³	´	µ	¶	·	¸	¹	º	»	¼	½	¾	¿	À
193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208
Á	Â	Ã	Ä	Å	Æ	Ç	È	É	Ê	Ë	Ì	Í	Î	Ï	Ð
209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224
Ñ	Ò	Ó	Ô	Õ	Ö	×	Ø	Ù	Ú	Û	Ü	Ý	Þ	ß	à
225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
á	â	ã	ä	å	æ	ç	è	é	ê	ë	ì	í	î	ï	ð
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	
ñ	ò	ó	ô	õ	ö	÷	ø	ù	ú	û	ü	ý	þ	ÿ	

Code [MS 1253 Windows Greek]

Table 14 : Code [MS 1253 Windows Greek]

33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
!	“	#	$	%	&	‘	(	)	*	+	,	-	.	/	0
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
1	2	3	4	5	6	7	8	9	:	;	<	=	>	?	@
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^	_	`
97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
q	r	s	t	u	v	w	x	y	z	{	|	}	~	□	€
129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144
□	‘	ƒ	„	…	†	‡	□	‰	□	‹	□	□	□	□	□
145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
‘	’	“	”	•	–	—	□	™	□	›	□	□	□	□	
161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176
΅	Ά	£	¤	¥	¦	§	¨	©		«	¬	-	®	―	°
177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
±	²	³	΄	µ	¶	·	Έ	Ή	Ί	»	Ό	½	Ύ	Ώ	ΐ
193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208
Α	Β	Γ	Δ	Ε	Ζ	Η	Θ	Ι	Κ	Λ	Μ	Ν	Ξ	Ο	Π
209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224
Ρ		Σ	Τ	Υ	Φ	Χ	Ψ	Ω	Ϊ	Ϋ	ά	έ	ή	ί	ΰ
225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
α	β	γ	δ	ε	ζ	η	θ	ι	κ	λ	μ	ν	ξ	ο	π
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	
ρ	ς	σ	τ	υ	φ	χ	ψ	ω	ϊ	ϋ	ό	ύ	ώ		

Code [MS 1254 Windows Turkish]

Table 15 : Code [MS 1254 Windows Turkish]

33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
!	“	#	$	%	&	‘	(	)	*	+	,	-	.	/	0
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
1	2	3	4	5	6	7	8	9	:	;	<	=	>	?	@
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^	_	`
97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
q	r	s	t	u	v	w	x	y	z	{	|	}	~	□	€
129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144
□	‘	ƒ	„	…	†	‡	ˆ	‰	Š	‹	Œ	□	□	□	□
145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
‘	’	“	”	•	–	—	˜	™	š	›	œ	□	□	Ÿ	
161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176
¡	¢	£	¤	¥	¦	§	¨	©	ª	«	¬	-	®	¯	°
177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
±	²	³	´	µ	¶	·	¸	¹	º	»	¼	½	¾	¿	À
193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208
Á	Â	Ã	Ä	Å	Æ	Ç	È	É	Ê	Ë	Ì	Í	Î	Ï	Ğ
209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224
Ñ	Ò	Ó	Ô	Õ	Ö	×	Ø	Ù	Ú	Û	Ü	İ	Ş	ß	à
225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
á	â	ã	ä	å	æ	ç	è	é	ê	ë	ì	í	î	ï	ğ
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	
ñ	ò	ó	ô	õ	ö	÷	ø	ù	ú	û	ü	ı	ş	ÿ	

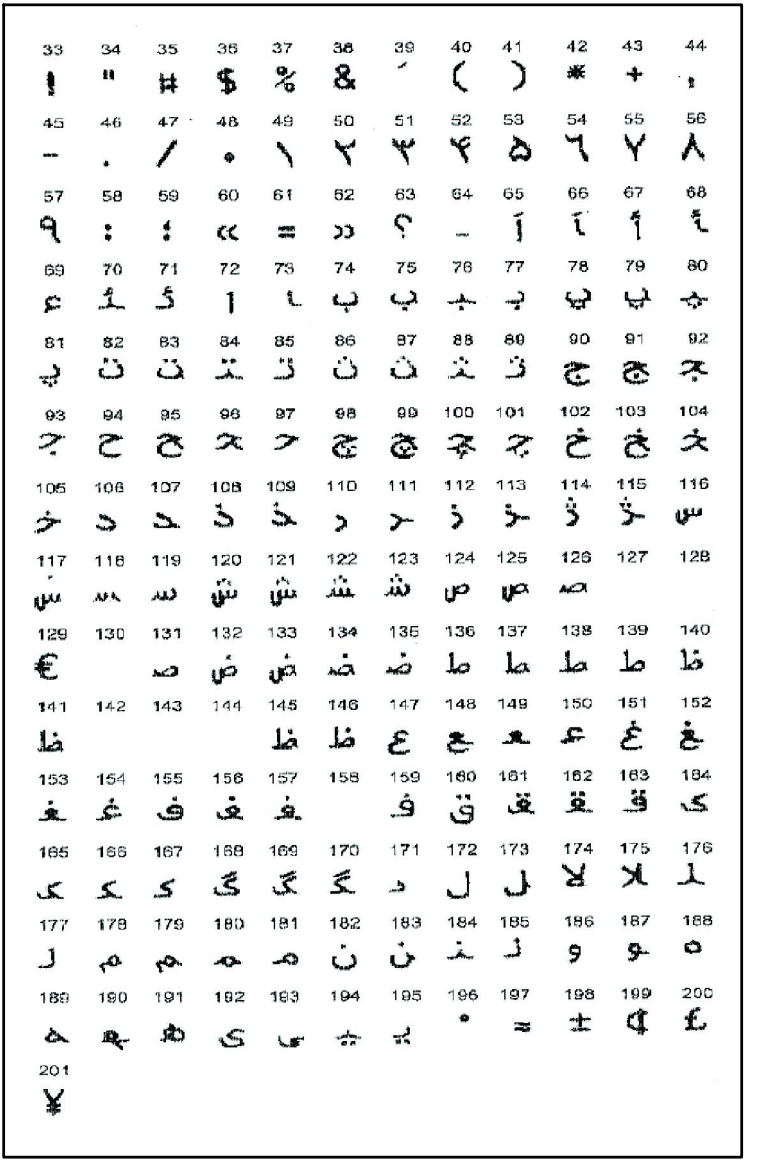
Code [MS 1257 Windows Baltic]

Table 16 : Code [MS 1257 Windows Baltic]

33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
!	“	#	$	%	&	‘	(	)	*	+	,	-	.	/	0
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
1	2	3	4	5	6	7	8	9	:	;	<	=	>	?	@
65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96
Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^	_	`
97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128
q	r	s	t	u	v	w	x	y	z	{	|	}	~	□	€
129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144
□	‘	□	„	…	†	‡	□	‰	□	‹	□	¨	ˇ	¸	□
145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
‘	’	“	”	•	–	—	□	™	□	›	□	¯	˛	□	
161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176
	¢	£	¤		¦	§	Ø	©	Ŗ	«	¬	-	®	Æ	°
177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192
±	²	³	´	µ	¶	·	ø	¹	ŗ	»	¼	½	¾	æ	Ą
193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208
Į	Ā	Ć	Ä	Å	Ę	Ē	Č	É	Ź	Ė	Ģ	Ķ	Ī	Ļ	Š
209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224
Ń	Ņ	Ó	Ō	Õ	Ö	×	Ų	Ł	Ś	Ū	Ü	Ż	Ž	ß	ą
225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
į	ā	ć	ä	å	ę	ē	č	é	ź	ė	ģ	ķ	ī	ļ	š
241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	
ń	ņ	ó	ō	õ	ö	÷	ų	ł	ś	ū	ü	ż	ž	˙	

CODE [FARSI FONT (IRAN)]

Table 17 : Code [FARSI FONT (IRAN)]



ERROR MESSAGES

Table 18 : Error Messages

Error Message on Display	Description	Solution
CHECK PAPER	Problem with ticket paper roll	Please check paper
- - - - -	Overloaded	Please remove the item from the platter and put only appropriately weighed item(s) on the platter
Price Over	When total price exceeds 9999.99 this message is displayed with beep	Please input appropriate number within maximum capacity on the display.
Weight Over	When weight exceeds max capacity is displayed with beep	Please remove the weight on the tray.
Weight Minus	When weight below zero displayed with beep	Please check the weight on the tray.
CAL ERROR	When turning on the scale this message may be displayed with continuous beep and it is automatically turned off.	Please call your CAS dealer.
INIT ERROR		Please remove the item from the platter and put only appropriately weighed item(s) on the platter.
Error Message on Receipt	**Description**	**Solution**
CLOCK IS NOT SET	This error may happen in case of low backup battery or some hardware error!	Please call your CAS dealer when there is still error after setting DATE & TIME in MENU -> SET2.
ERROR POSSIBLE RAM DATA ARE CORRUPTED! RESETING ALL RAM DATA.. PLEASE RESTART THE SCALE	This message is printed when the control sums of RAM is not correct. In such case the processor clears the RAM automatically. And all of sums, settings and PLU are deleted!	Please call your CAS dealer

SPECIFICATION

Table 19 : SPECIFICATION

Model		CT100		
CAPACITY		6 kg	15 kg	30 kg
Division, e=		1 / 2 g	2 / 5 g	5 / 10 g
Minimum weight ※		20 g	40 g	100 g
DISPLAY		Alpha-numeric LCD 5/5/6/7 (Tare / Weight / Unit Price / Total price)		
PRINTER INFO.		Thermal printer - 32 Characters per line Printing Speed : Max 75 mm/sec Recommended size for thermal paper; 58mm (Width) / 65μm(Thickness) / 60mm (Maximum Diameter)		
PRINTER RELIABILITY	HEAD PULSE-RESISTANCE	100,000,000 pulses or more		
	HEAD WEAR-RESISTANCE	50km or more		
PLU MEMORY CAPACITY		30 Direct PLUs, 1,000 Indirect PLUs, 2 Special PLUs		
POWER		AC 230V, 50 ~ 60Hz		
OPERATING TEMPERATURE		-10℃ ~ +40℃		
EXTERNAL UTILITIES		Default: RS232C, Cash Drawer , USB Device RS-485 Option : USB Host , RS485 , ZigBee Ethernet Option : USB Host, LAN, WLAN		
POWER CONSUMPTION		Maximum 35W		
BATTERY LIFE		■ Rechargeable Battery (inside): 12V 7Ah (Pb) ■ Battery life (continuous usage) • Weighing Mode only: 240mA, 28 hrs • With backlight: 260mA, 26 hrs • With printer: 1800mA, 4 hrs		
PRODUCT SIZE (mm)		B Type : 342(W) X455(D) X 152(H) P Type : 342(W) X455(D) X 413(H) R Type : 342(W) X455(D) X 488(H)		
PRODUCT WEIGHT		Standard type : 6.8 kg Pole type : 8 kg R type : 8.5 kg		

※ Minimum weight to make a sale transaction

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

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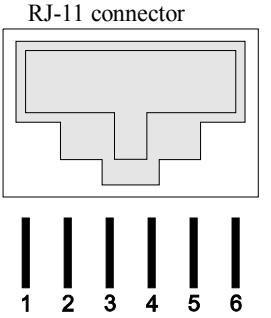
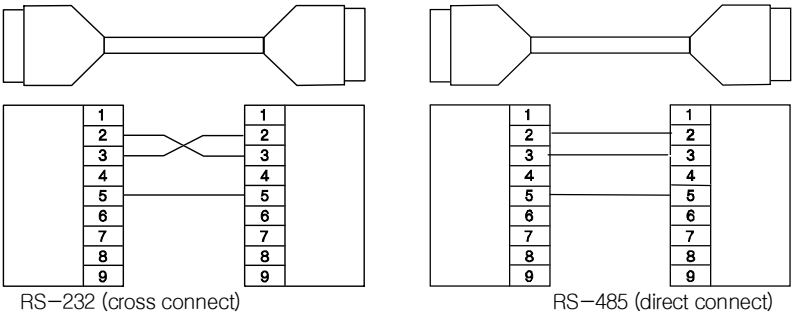
Cash Drawer Interface

■ Using Voltage : 12V



Not connected : 1 x
(+12V) : 2
Ground : 3
Ground : 4
(+ 12V) : 5
Not connected : 6 x

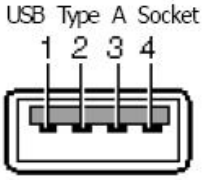
RS-232 & RS-485 INTERFACE



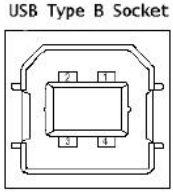
1,4,6,7,8,9 : Not connected
2 : RX DATA
3 : TX DATA
5 : Ground

USB INTERFACE

■ USB host

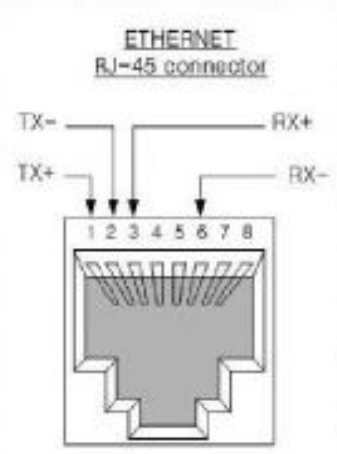


■ USB device



1=Vbus (5V)
2=D-
3=D+
4=GND

RJ45 INTERFACE



PROGRAM MENU MAP

Table 20 : PROGRAM MENU MAP

Mode	Sub-Mode	Menu	On Display	Page
Mode	PLU (CHAPTER 7)	Tare	tArE	55
		Validity	vALid	55
		Price	PriCE	56
		Code	CodE	56
		Group	GroUP	56
		Name	nAME	57
		Tax rate group 1~8	tAX	57
		Weighed or non-weighed?	no W	58
		Fixed or non-fixed unit price?	FIX Pr	58
		Barcode printing?	Pr bAr	58
	Report (CHAPTER 8)	PLU data list	LiSt	59
		PLU report	PLU	60
		Clerk report	CLErK	62
		Group report	Group	63
		Tax report	tAX	64
		Hourly sales report	HoUr	64
		Daily sales report	dAY	64
		Weekly sales report	wEEk	64
		Monthly sales report	montH	64
		Log sales report	LoG	64
		Total sales report	totAL	65
		Closing report	CLoSE	65
	SET 1 (CHAPTER 9)	BAUD rate 1	bAUd 1	66
		BAUD rate 2	bAUd 2	67
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MEMO

MEMO

CT100

Ticket Printing Scale

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Specifications are subject to change for improvement without prior notice.

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