

Price Computing Scale

AP Series

OWNER'S MANUAL



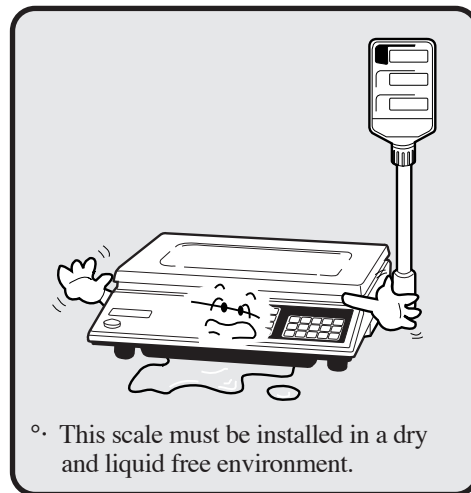
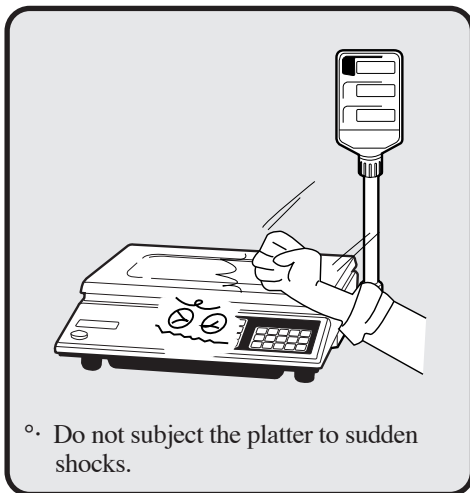
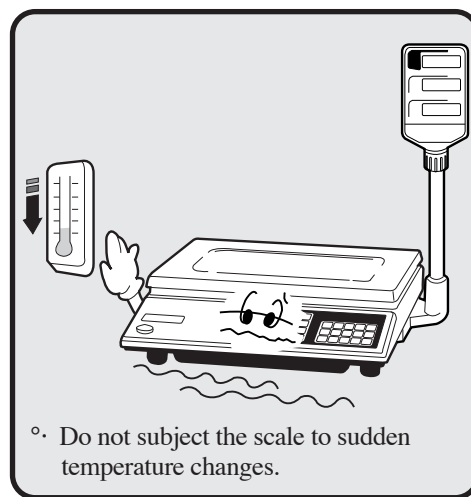
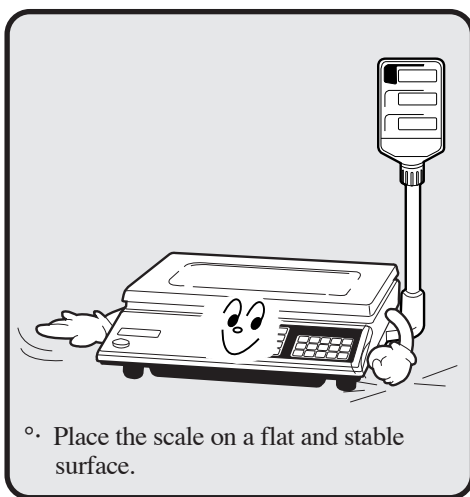


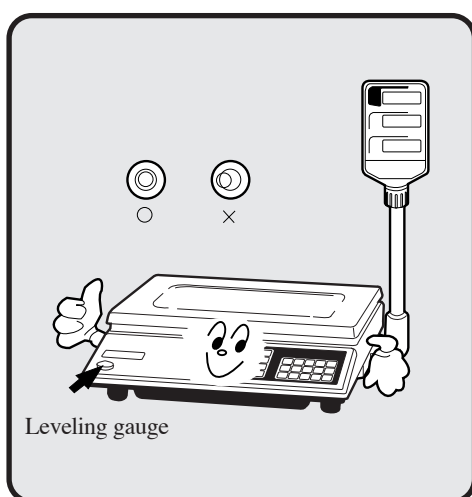
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PRECAUTIONS

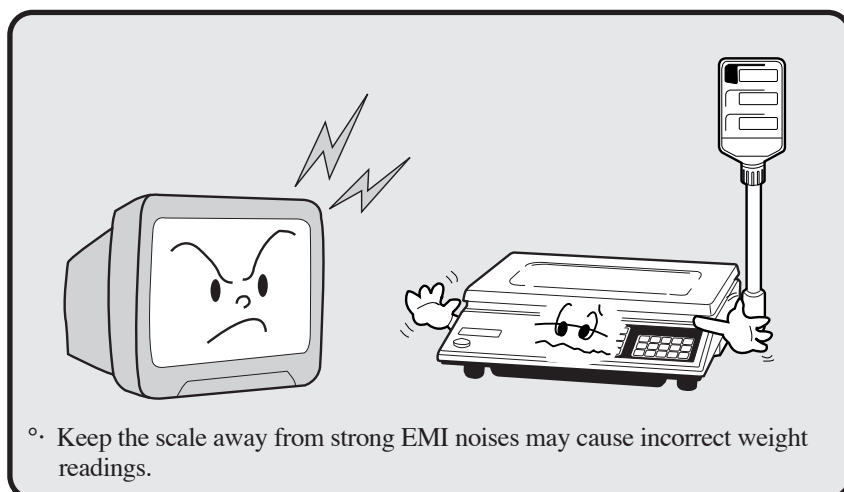
**Make sure that you plug your scale into the proper power outlet.
Plug into a power outlet 10 minutes before operations.**





Leveling gauge

- If the scale is not properly level, please adjust the 4 legs at the bottom of the scale (turn legs clockwise or counterclockwise) so as to center the bubble of the leveling gauge inside the indicated circle.



- Keep the scale away from strong EMI noises may cause incorrect weight readings.

PREFACE

Thank you for the purchasing of our CAS AP Series.

This series have been designed with CAS reliability, under rigid quality control and with outstanding performances. Your speciality departments can enjoy with these high quality reliable CAS products.

We believe that your needs will be satisfied and you will have proper reliability in variable weight.

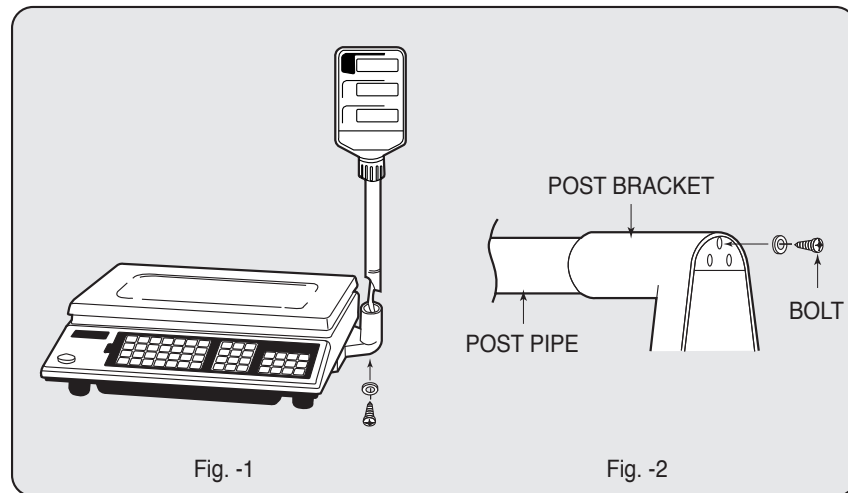
This manual will help you with proper operations and care of the AP series.

Please keep it handy for the future references.

INSTALLATIONS

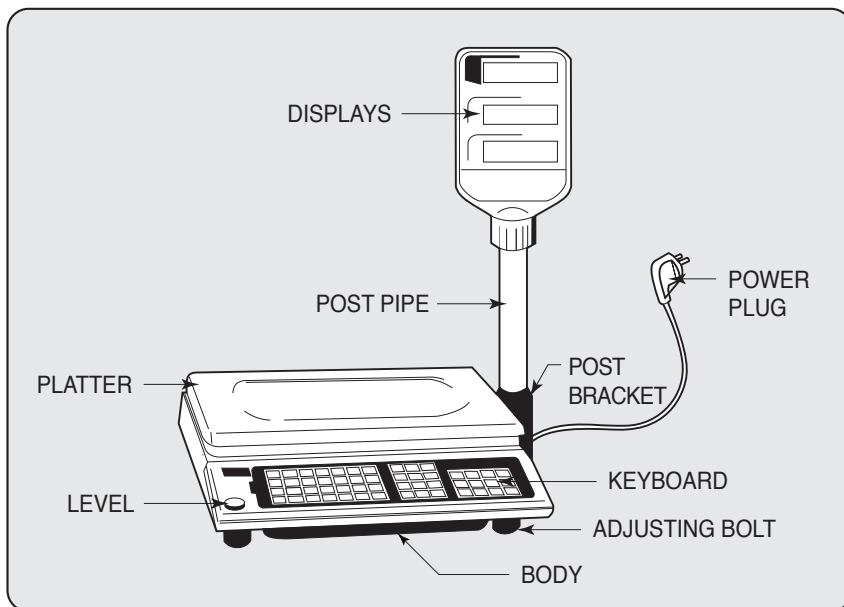
Put a post pipe into a post bracket as Fig. -1

Screw the post bracket and the post pipe as Fig. -2



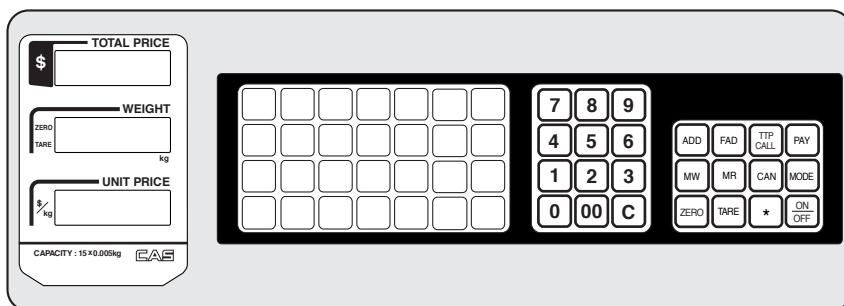
NAMES AND FUNCTIONS

OVERALL VIEW

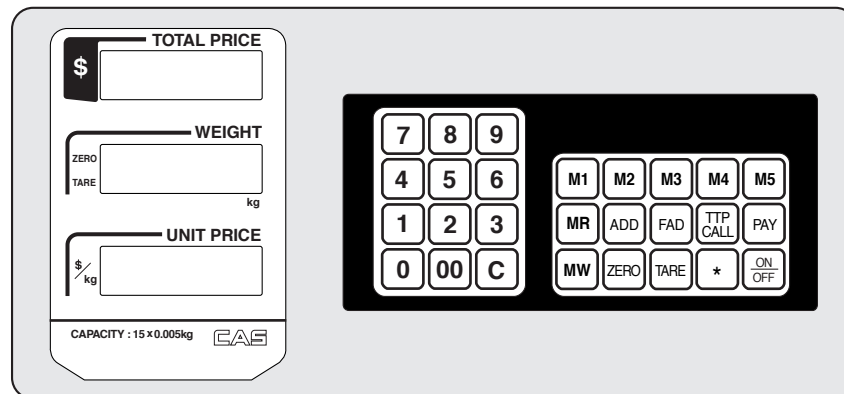


DISPLAY & KEYBOARD

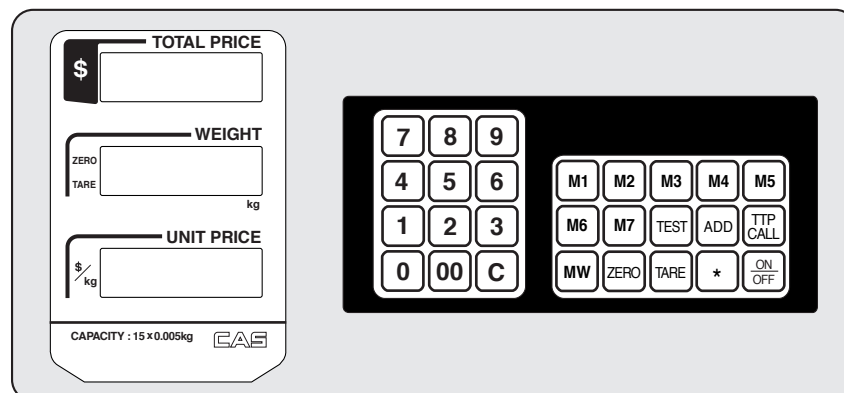
1. AP-EX



2. AP-MX

















3. AP-M



■ FUNCTION

KEYS	FUNCTIONS
0 ~ 9	Used to enter all the numeric data.
00	Used to enter a double zeros.
C	Used to clear all the numerics on the unit price display. Used to clear sum total price. Used to clear all the daily total prices.
ZERO	Used to correct the zero point.

KEYS	FUNCTIONS
	Used to enter a tare weight. Used to delete a tare weight.
	Turns on and off the displays.
	Used to add up a fixed price item.(non weighed)
	Used to add up a weighed item.
	Used to calculate a change.
	Used to cancel a prior accumulation.
	Direct PLU(Price Look Up) keys.
	Used to check the all displays.
	Used to call a total price of add up transactions.
	Used to convert the modes. A default is weight mode after the power on.
	Used to call an indirect PLU(Price Look Up) in memory.
	Used to save a PLU(Price Look Up) to memory.
	No function key.
	Direct PLU keys.

OPERATIONS

1. General Weighing

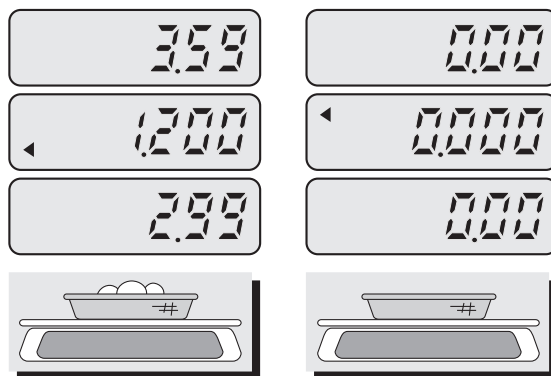
① Enter an unit price.	② Place the commodity on the platter.	③ Remove the commodity from the platter.

► NOTE: The unit price is cleared automatically after each weighing.

2. Weighing with the Tare

- The tare is the weight of a container being used for a commodity.
- The tare key subtracts the weight of the container.

① Place the container on the platter.	② Press TARE key.	③ Enter an unit price.



④ Place the commodity on the platter.

⑤ Remove the commodity from the platter.

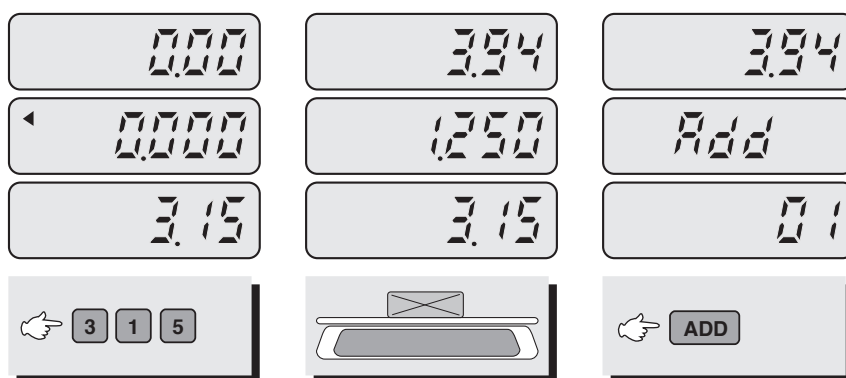
► NOTE: The tare is cleared automatically after each weighing.
Not all the countries are applicable with tare clear function.

3. Add up the Prices

This add up function helps you when the customer wants to buy several commodities.

You can check the added total price by pressing TTP CALL key.

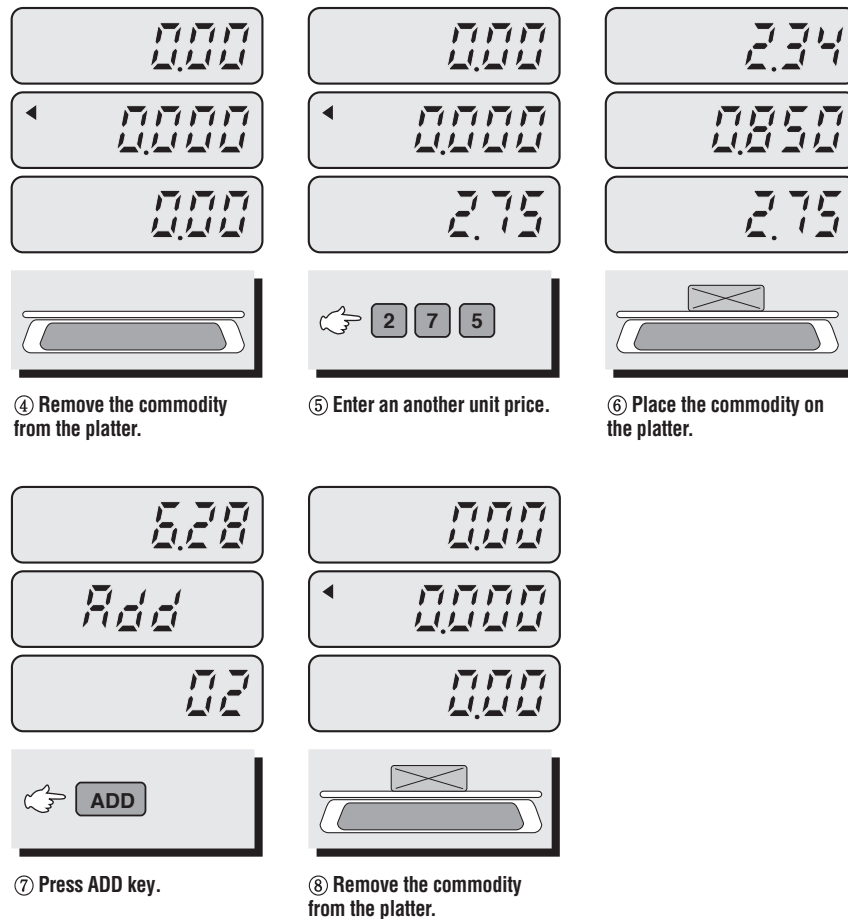
And you can delete the added total price by pressing the C key after transaction is completed.



① Enter an unit price.

② Place the commodity on the platter.

③ Press ADD key.








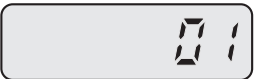


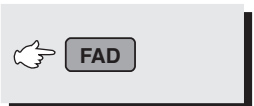









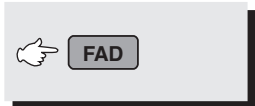
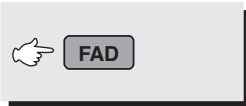
- Same as in these manners the add up function could be continued either up to 99th accumulations or the price reaches up to 9999.99.
- The error beep sound may happens if the counts of the add up exceeded than 99 times of the added price exceeded than 9999.99.

4. Add up Fixed Price Commodities (AP-EX, MX)

- This add up function of fixed price commodities helps you when the customer wants to buy the commodities without weighing.
- You can check the added total price by pressing TTP CALL key.
- You can delete the added total price by pressing the C key after transaction is completed.

This function is available when the platter is empty only.

		
		
		
		
① Enter a price.	② Press FAD key.	③ Enter a next price.

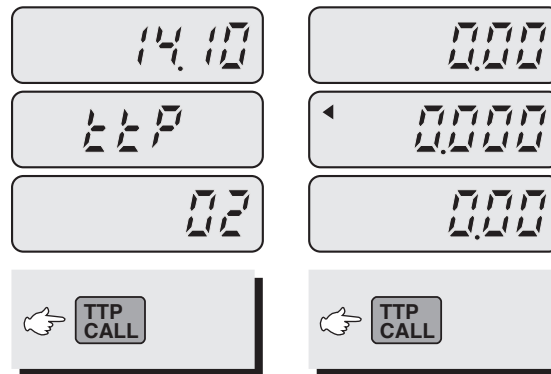
	
	
	
	
④ Press FAD key.	⑤ Press FAD key again.

- Same as in these manners the add up function could be continued either up to 99th accumulations or the price reaches up to 9999.99.
- The error beep sound may happens if the counts of the add up exceeded than 99 times of the added price exceeded than 9999.99.

5. Calling the Added Total Price

This function is available when the any add up was performed previously otherwise, the error beep sound can be generated.

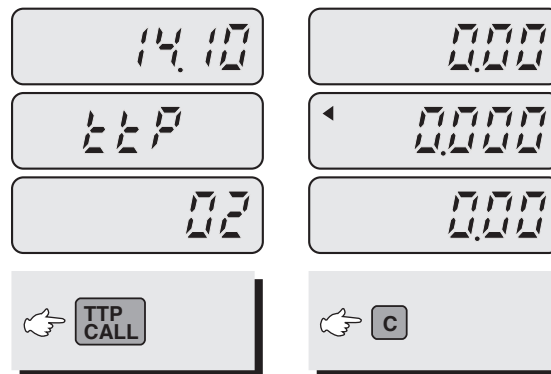
- How to confirm the added total price.



① Press TTP CALL key.

② Press TTP CALL key again.

- How to delete the added price after confirmation.

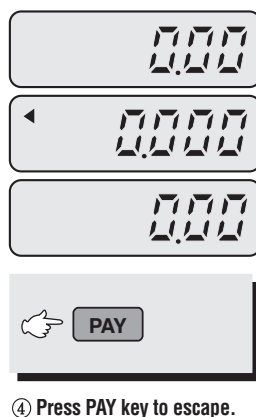
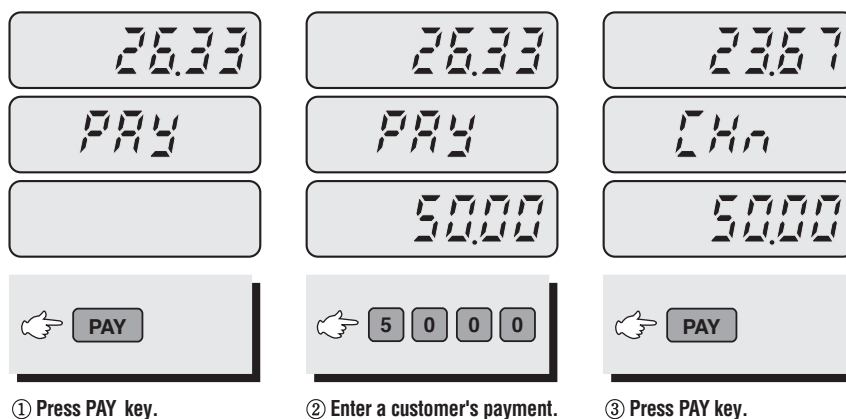


① Press TTP CALL key.

② Press C key.

6. The Change Calculation (AP-MX, EX)

This function is performed while the any total price is on the display.



► NOTE: Customer's payment should be always bigger than the total price otherwise, an error beep sound may be generated.

7. Saving a PLU to Memory

This function saves each PLU into a internal back up memories.
The PLU means Price Look Up which has an unit price.

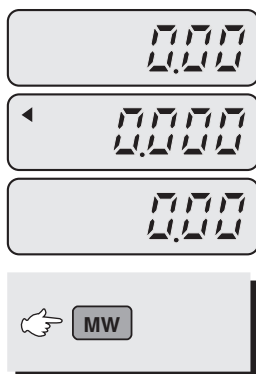
- AP-EX has 28 direct PLUs and 200 indirect PLUs.
- AP-MX has 5 direct PLUs and 200 indirect PLUs.
- AP-M has 7 direct PLUs.

A) For Direct PLUs

① Enter an unit price.	② Press MW key.	③ Press one of the PLU keys (M1 ~ M7 or 000000)

B) For Indirect PLUs

① Enter an unit price.	② Press MW key.	③ Enter a desired address of the PLU (0 to 199)

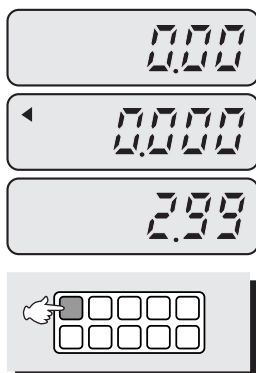


④ Press MW key.

8. How to Call Up a PLU

Make sure that the platter is empty before call up a PLU.

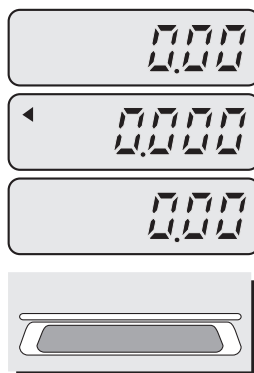
A) For Direct PLUs



① Press one of the direct PLU keys.

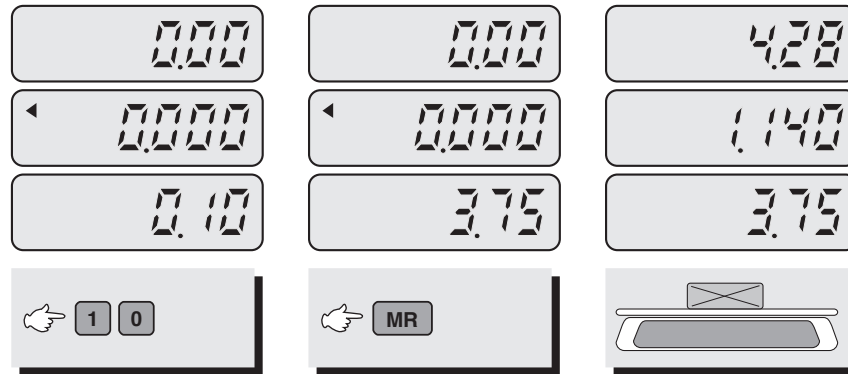


② Place the commodity on the platter.



③ Remove the commodity from the platter.

B) For Indirect PLUs



① Enter an address of the indirect PLU.

② Press MR key.

③ Place the commodity on the platter.

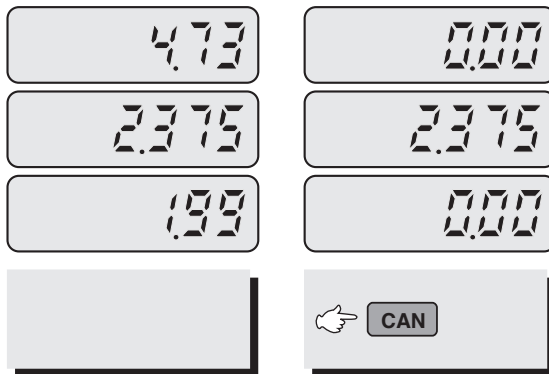


④ Remove the commodity from the platter.

► NOTE: Decimal point of the unit price display has no meaning.

9. How to Cancel the Daily Accumulation (AP-EX only)

This function helps you when the daily accumulation was memorized by mistake. Also this function cancels the result from prior transaction while the wrong total price is on the display.



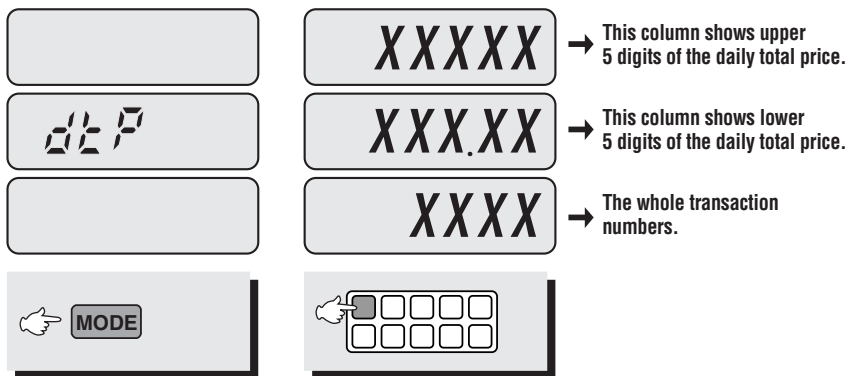
① When the wrong total price is on the display.

② Press CAN key.

10. The Daily Total Price (AP - EX only)

- You can check the daily total price of each direct PLU and whole daily total price.
- The price accumulations are available up to \$ 99999999.99 and 9,999 times of transactions are supported.

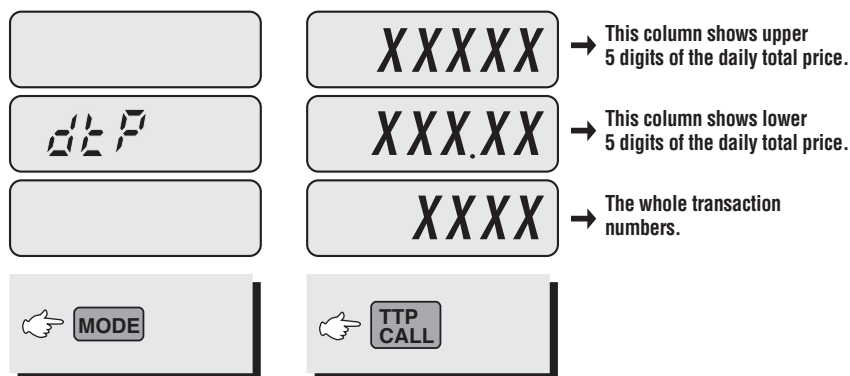
A) For Direct PLUs



① Press MODE key.

② Press one of the direct PLU keys.

B) For Whole Daily Total Price



► NOTE 1: To escape from this mode, press MODE key again.

NOTE 2: To clear the whole daily total price, press C key.

ERROR MESSAGES

To help the customer's understanding, this scale warns the error messages properly. Please refer to below error table.

MARKS	MEANINGS	SOLUTIONS
Err 1	An error of the initial zero range	Set the platter empty
Err 6	An overflow was occurred from ADD key	Press C key
Err 7	An overflow was occurred from FIXADD key	Press C key
Err 8	An overflow of the transaction count	Press C key
Err 9	An overflow of the accumulations of the daily total functions	Press C key
Err 10	A failure of the analog module	Call your CAS dealer
Err 11	A failure of the digital module	Call your CAS dealer
Err 12	Condition codes are broken	Call your CAS dealer for span calibration
Err 13	Key codes are broken	Call your CAS dealer for span calibration

SPECIFICATIONS

MODEL	AP - 1		
CAPACITY	6 × 0.002 kg	15 × 0.005 kg	30 × 0.01 kg
DISPLAYS: WEIGHT UNIT PRICE TOTAL PRICE	5 DIGIT 6 DIGIT 6 DIGIT / 7 DIGIT		
DISPLAY DESIGNATORS	ZERO, TARE		
MAXIMUM TARE	-6.000 kg	-9.995 kg	-9.990 kg
TEMPERATURE RANGE	-10 C ~ +40 C		
POWER SOURCE	AC 110 V/220 V/240 V, 50 Hz/60 Hz		
POWER CONSUMPTION	APPROX. 10 W		
PLATTER SIZE (mm)	340(W) × 215(D)		
PRODUCT SIZE (mm)	435(W) × 325(D) × 495(H)		

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