

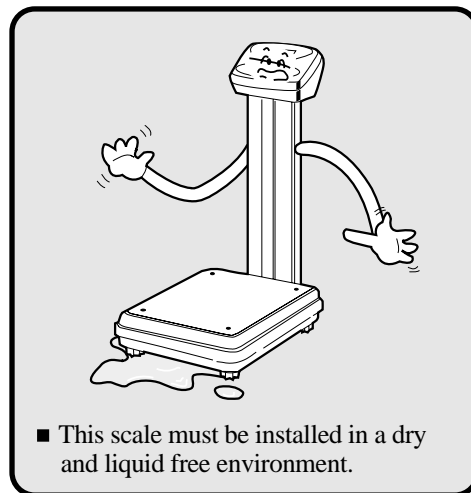
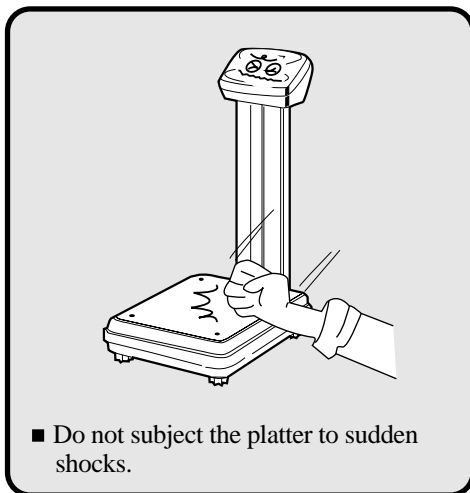
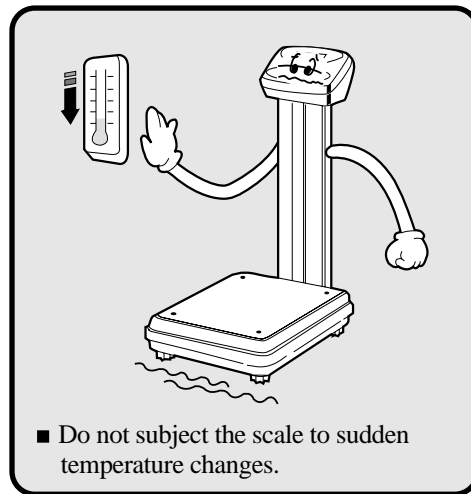
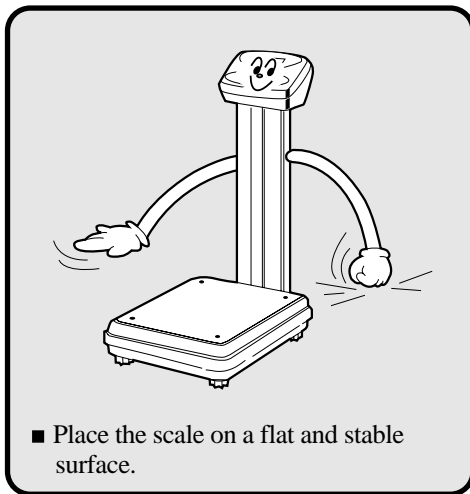


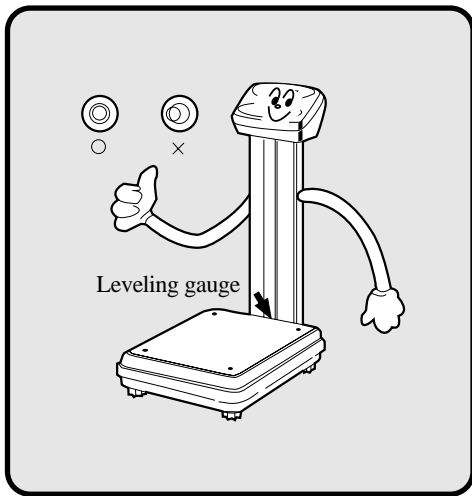
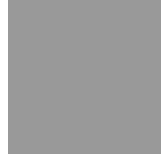
CONTENTS

PRECAUTIONS	4
PREFACE	6
NAMES AND FUNCTIONS	6
INSTALLATIONS	8
OPERATIONS	9
1. Power Source	9
2. General Weighing	9
3. Weighing with Tare	10
4. HOLD Function	10
5. Auto Power Off	11
6. Mode	11
ERROR MESSAGES	14
SPECIFICATIONS	14

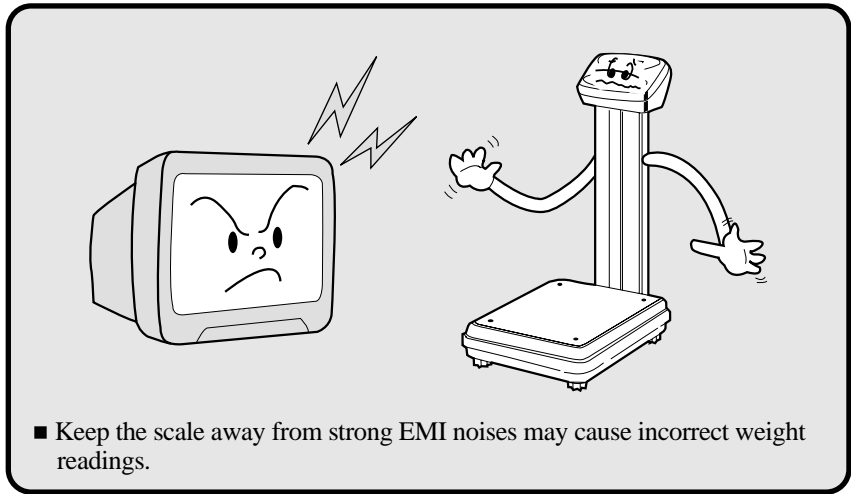
PRECAUTIONS

Make sure that you plug your scale into the proper power outlet.
Plug into a power outlet 30 minutes before operations.





- 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.

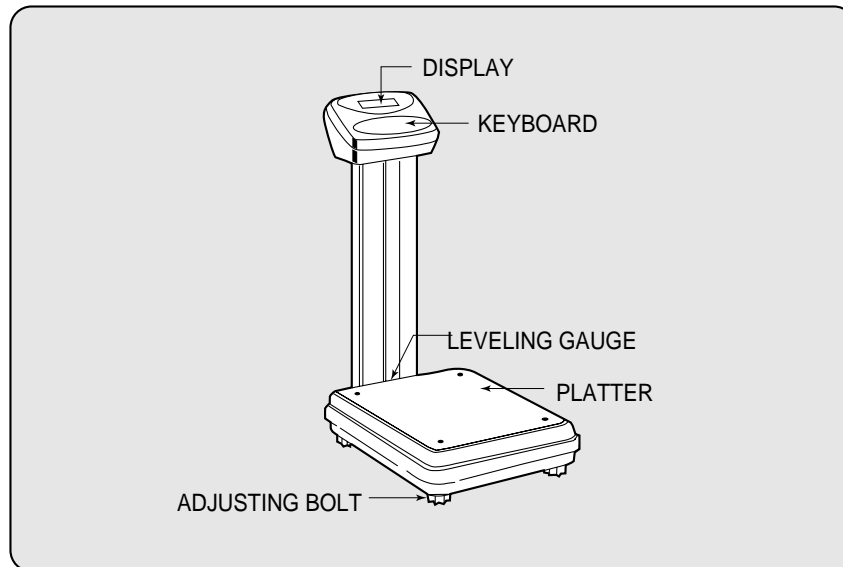


PREFACE

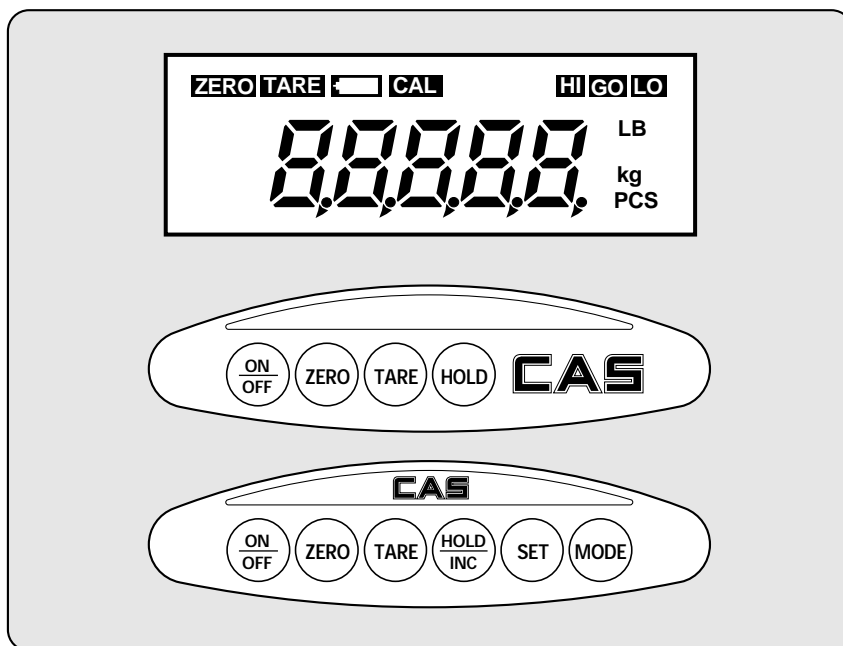
Thank you for purchasing our CAS DL series. These series have been designed with CAS reliability, under rigid quality control and with outstanding performance. Your specialty departments can enjoy these high quality reliable CAS products. We believe that your needs will be satisfied and you will have reliability. This manual will help you with proper operation and care of the DL series. Please keep this handy for future reference.

NAMES AND FUNCTIONS





OVERALL VIEW



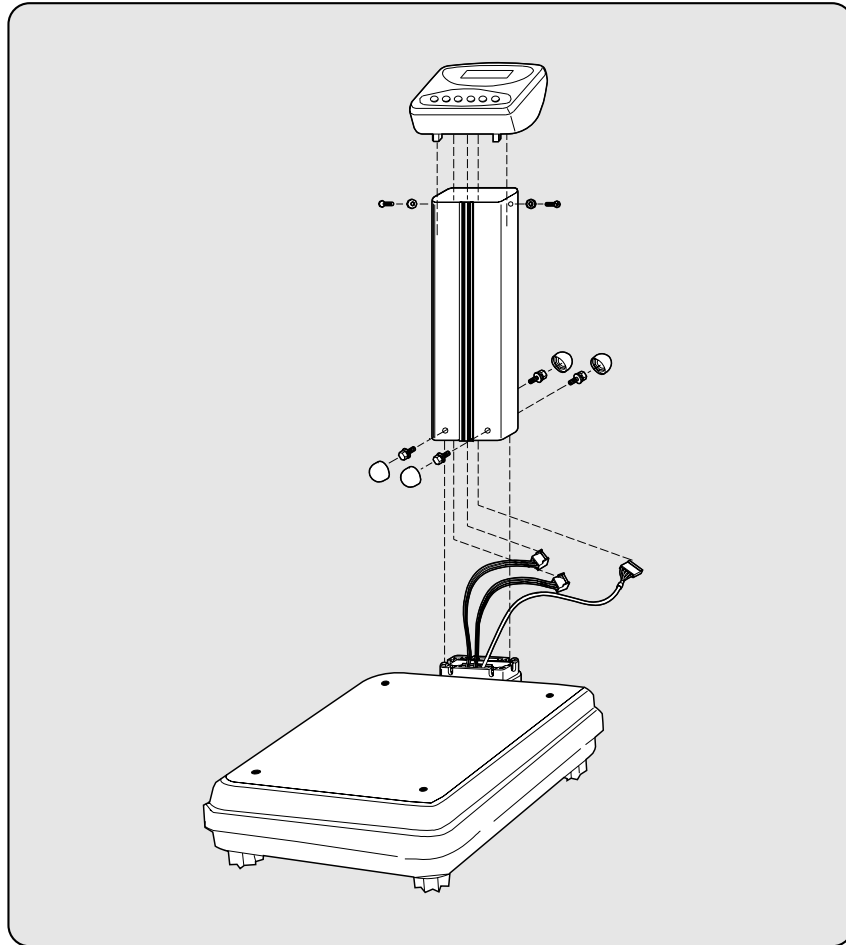
DISPLAY AND KEYBOARD



■ KEY FUNCTIONS

KEYS	DESCRIPTIONS
	Turn on or off the display.
	Used to set the zero point.
	Used to enter a tare weight and used to cancel a tare weight.
	If the weight is not stable, the display shows the average weight.

INSTALLATIONS



1. Insert and fasten the bracket support assembly screws.
2. Connect the load cell wire and power line to head.
3. Insert the support cover into the support.
4. Insert and fasten the screws.

OPERATIONS

1. Power Source

USING BATTERIES

- Prepare six pieces of DC 1.5 V (CM) batteries.
- Open the cover in the back of the scale and insert the batteries as shown in Fig.1.
- Close the cover and press the ON/OFF key then the scale is on.
- If you have low battery, the display shows “Err-5” as Fig.2 and the scale is off automatically.

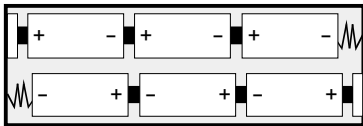


Fig.1

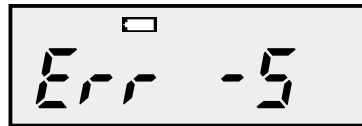


Fig.2

USING ADAPTOR

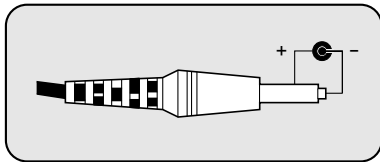


Fig.3

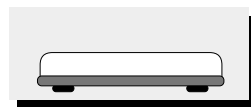
- Convert switch to AC 110V or 220V.
- Use only adaptor DC 9V/300mA.
- Connect the adaptor into AC outlet and insert plug into the jack on the scale.
- Press the ON/OFF key.

2. General Weighing

- When the display is not zero though there is nothing on the platter, press the ZERO key.



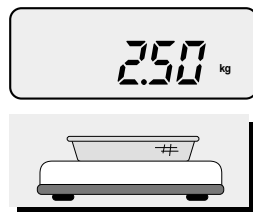
① Place a commodity on the platter.



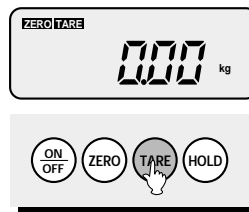
② Remove the commodity from the platter.

3. Weighing with TARE

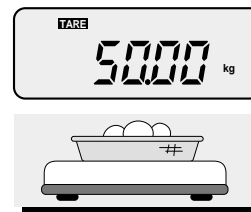
- Tare is the weight of container being used for a commodity.
- The TARE key subtracts the weight of the container.



① Place a container on the platter.



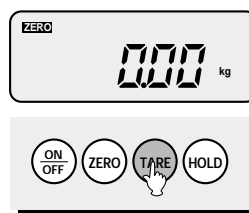
② Press the TARE key.



③ Place a commodity in the container.



④ Remove the commodity and container from the platter.



⑤ Press the TARE key.

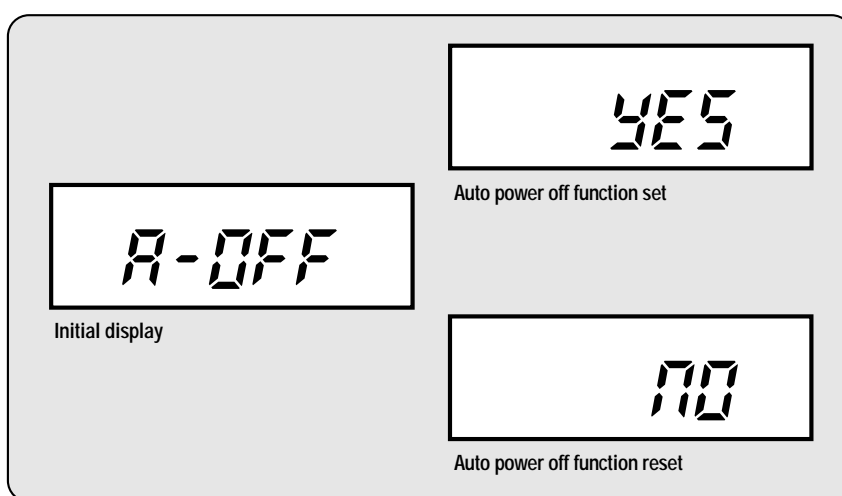
4. HOLD Function

- When the weight is not stable, press the HOLD key. The display shows the "HOLD" and then average weight.

5. Auto Power Off

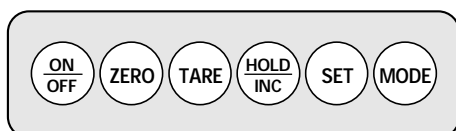
- Auto-Power off function lengthen the battery life.
When you don't operate the scale, this function makes the power OFF automatically.

- ① Turn off the scale.
- ② While pressing the ZERO key, press the ON/OFF key then you will see the display below.






- ③ While pressing the ON/OFF key, press the ZERO key to change the function.
If you want to use this function, set to YES.
- ④ While pressing the ON/OFF key, press the TARE key to go to normal mode.
- ⑤ If you don't use the scale for more than 3 minutes, the scale is turned off automatically.

6. Mode



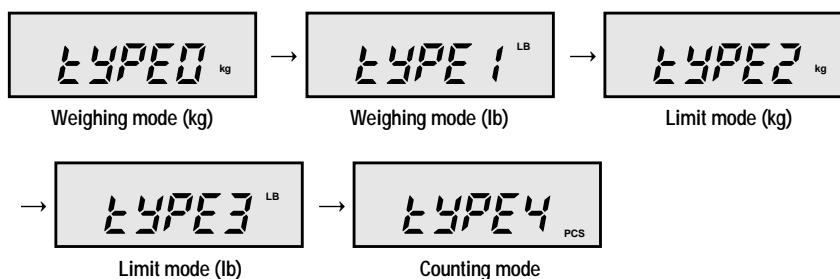
If your scale has 6 keys, there are 5 modes.
(Reference How to Change Mode.)

■ KEY FUNCTIONS

KEYS	DESCRIPTIONS
	When the weight is not stable, the display will show average weight. Used to increase the number to enter the limit value.
	Used to save the limit value and select the mode.
	Used to change the mode.

■ How to Change Mode

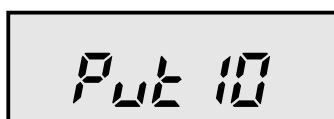
If you want to use counting mode, press the MODE key until the display shows “tyPE4” and then press the SET key.



■ Counting Mode

To count samples, you have to set the quantity.

- ① Change the mode to counting mode and press the SET key.



- ② Put 10 samples on the platter and press the SET key.
- ③ If the weight of sample is greater than the 0.5% of the full capacity, the counting function will be performed. otherwise, the display will show “-----”.
- ④ The display will show “Put 20” or “Put 50” to request more samples if the loaded weight is less than 0.5% of the full capacity.
- ⑤ Put 20 or 50 samples and press the SET key.
- ⑥ To perform counting function, the weight of 50 samples must be greater than 0.5% of the full capacity.

■ Limit Mode

You have to set the high value and low value to use this limit function.

How to set the limit



- ① Change the mode to limit mode (kg) and press the SET key, then you will see the previous high limit value.



- ② If the high limit value is 100kg, press the INC key to increase the number and press the MODE key to enter the next number.



- ③ Press the SET key to enter the low value, then you will see the previous low limit value.



- ④ Enter the low limit value (30kg). Press the INC key to increase the number and press the MODE key to enter the next number.
- ⑤ Press the SET key to go to normal mode.
- ⑥ If the loaded weight is lower than low limit value, you will see the "LO" lamp on the display. If the loaded weight is higher than high limit value, you will see the "HI" lamp on the display. If the loaded weight is in the range of high and low limit value you will see the "GO" lamp on the display.

ERROR MESSAGES

Err-1 kg

This is the error of the initial zero range. Set the platter empty and turn on the power.

0-L kg

This is an overload. Refer to SPECIFICATIONS.

SPECIFICATIONS

MODEL	DL-30	DL-60	DL-100	DL-150	DL-200
MAX. CAPACITY	30kg	60kg	100kg	150kg	200kg
MIN. CAPACITY	10g	20g	50g	50g	100g
MAX. TARE	-30kg	-60kg	-99.95kg	-99.95kg	-200kg
DISPLAY	LCD 5 DIGIT				
POWER SOURCE	DC 9V/300mA				
POWER CONSUMPTION	APPROX. 0.4W				
TEMPERATURE RANGE	-10°C ~ +40°C				
PRODUCT SIZE (W × D × H)mm	355 × 620 × 730				420 × 655 × 710

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

■ The method of connecting antistatic grounding wire.

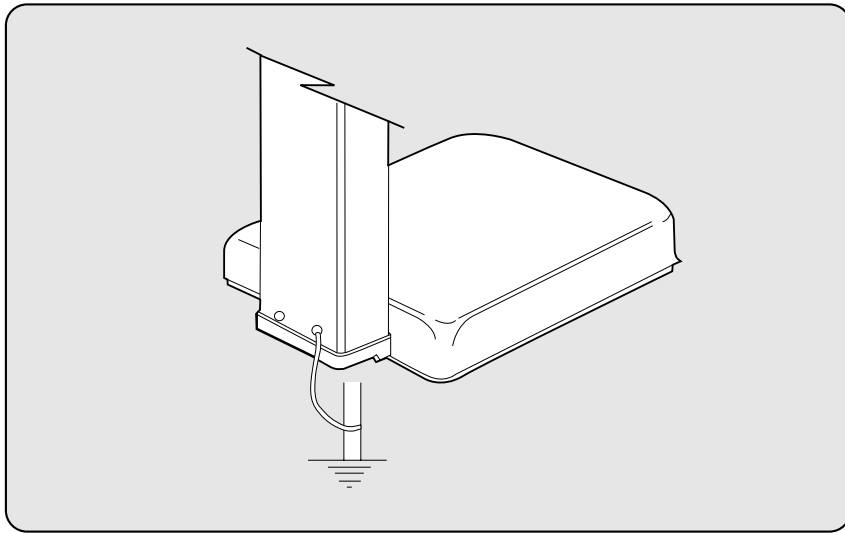


Fig.4

Grounded from its support as Fig.4.

