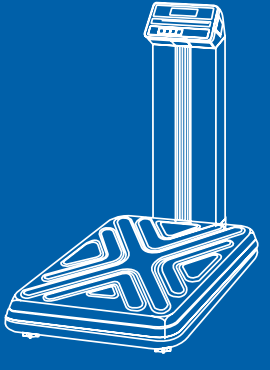
INDUSTRIAL WEIGHING SOLUTION™

DB-1/1H

Bench Scale



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OWNER'S MANUAL

CAS

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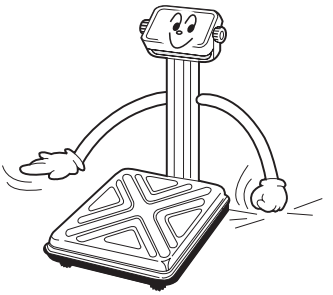
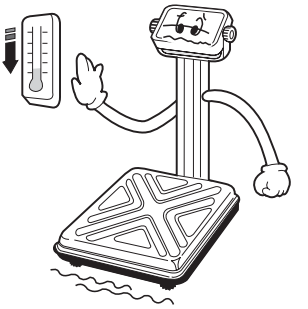
PRECAUTIONS

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

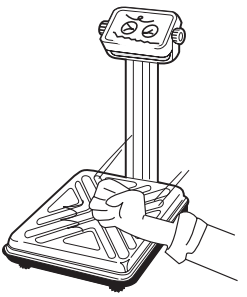
Place the scale on a flat and stable surface.



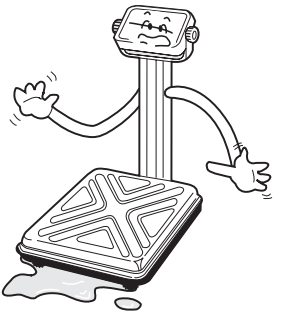
Do not put the scale on a sudden temperature changes.



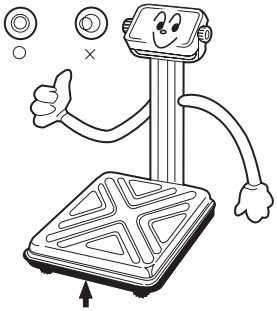
Do not put the scale on a sudden impact to the platter.



This scale must be installed in a dry and liquid free environment.

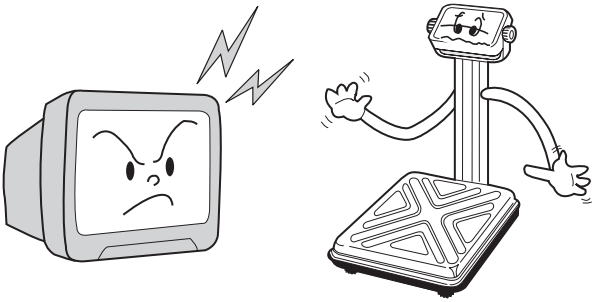


If the scale is not properly level, please adjust the 4 legs at the bottom of the scale (turn legs clockwise or counterclockwise) so as to center the bubble of the leveling gauge inside the indicated circle (See Fig.)



Leveling gauge

Keep away from the place which occurs the strong EMI noises.

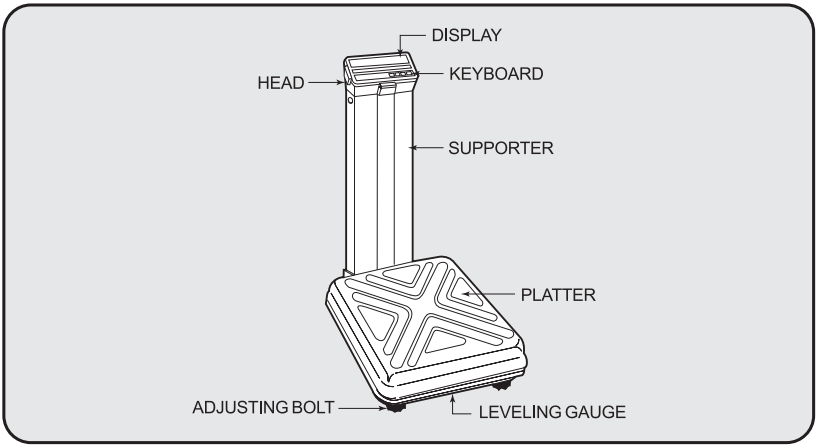


PREFACE

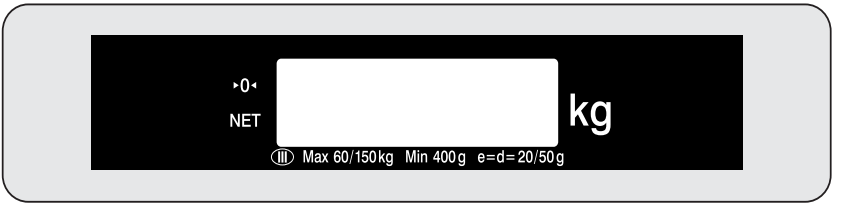
Thank you for purchasing our CAS DB-1/1H series scale.
These series have been designed with CAS reliability, under rigid quality control and with outstanding performance. Your specialty departments can enjoy these high quality reliable CAS products.
We believe that your needs will be satisfied and you will have reliability.
This manual will help you with proper operation and are of the DB-1/1H series.
Please keep this handy for future reference.

NAMES AND FUNCTIONS

OVERALL VIEW



DISPLAY



KEYBOARD

KEYS	FUNCTIONS
⏻	Turn the displays on or off.
▸0◂	Used to correct the zero point.
▸T◂	Used to enter a tare weight. Used to clear a tare weight.
🖹	PRINT FUNCTION (OPTION) – Print version
H	When the weight is not stable, display will show the average weight for 4 seconds. – Hold version

※In HOLD Version, printing function could not use and
In Printer version HOLD function is not available.

INSTALLATIONS

1. Insert the power line into the support. Fasten with bolts and nuts as fig 1.

2. Fix a ground wire with bolt then arrange the power line and loadcell line as fig 2.

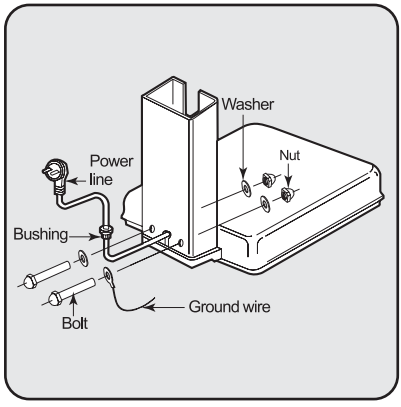


fig. 1

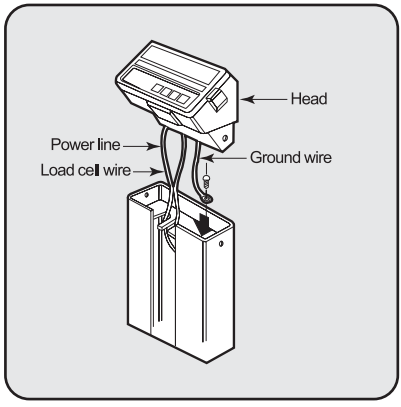


fig. 2

3. Insert the support cover into the support as fig 3.

4. Attach the head to the support. Insert and fasten stop bolt as fig 4.

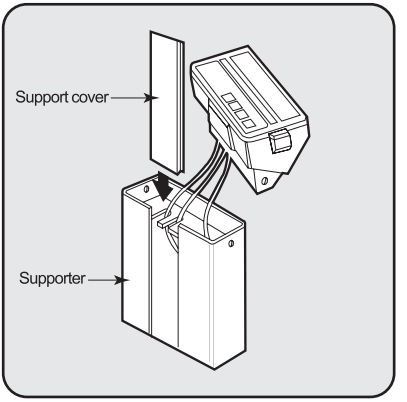


fig. 3

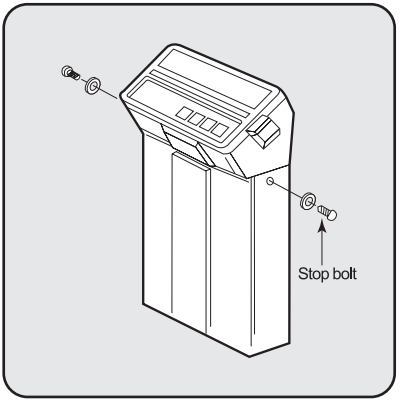


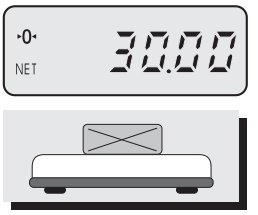
fig. 4

OPERATIONS

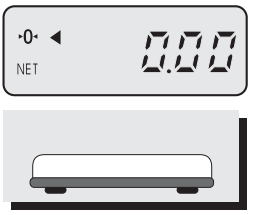
1. General Weighing

■ When you turn on the power switch, the scale will count "00000" to "99999". Then the scale will read "0.00" in the weight display. This is called the ZERO state. If the scale is not ZERO state though there is nothing on the platter, press the ▸0◂ key.

■ The display indicates if the scale is at zero or if there is a tare entered into the scale by way of a ▸0◂ and NET lamps.



① Place the commodity on the platter.

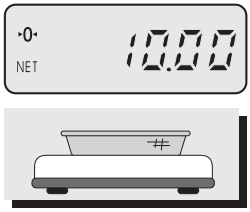


② Remove the commodity from the platter.

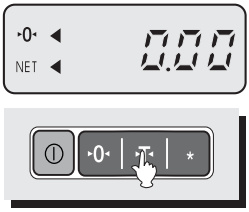
2. Tare Weighing

■ Tare is the weight of container being used for a commodity.

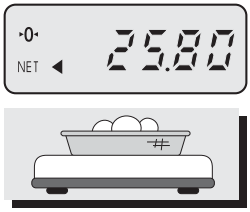
■ The →T← key subtracts the weight of the container.



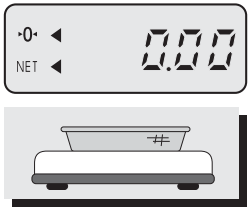
① Place the container on the platter.



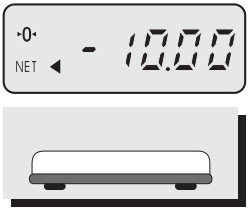
② Press the →T← key.



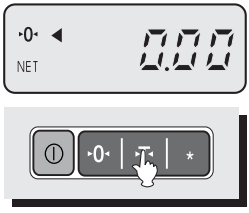
③ Place the commodity in the container.



④ Remove the commodity from the platter.



⑤ Remove the container from the platter, then you will see tare weight with "-".



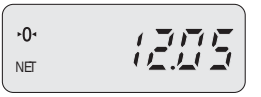
⑥ Press " →T← " key.

3. Hold Function (Hold version)

■ Key hold

① Place an item on the platter and then press the HOLD key.

② " HOLD" is shown on the display.



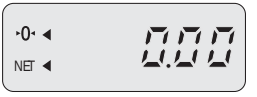
③ Average weight is shown on the display.

■ After average weight display 3 time, HOLD function will be release automatically.

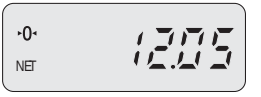
■ Auto Hold function

① After weighing item remove all of the container from the platter, press Hold key.

② Use "TARE" key to select one of Auto Hold function.



③ Press "Hold" key to save and exit to normal mode.



④ Place an item on the platter.
Then weight display will show "Hold".
The "Hold" blinks for two times, and then the average weight blinks continuously.

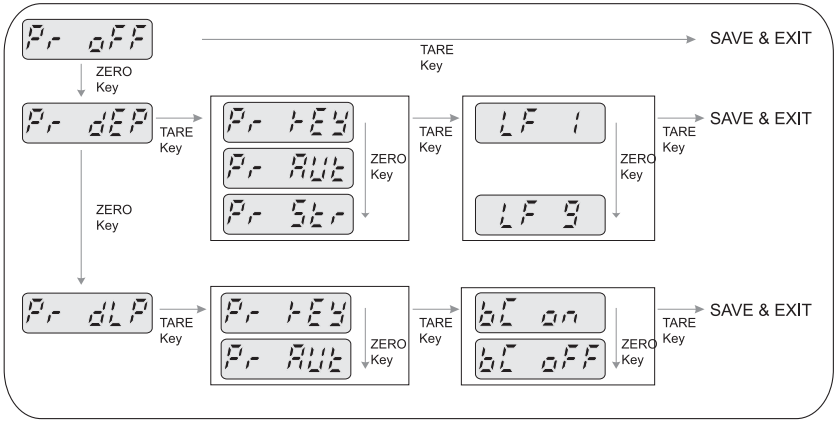
⑤ After remove the item of the platter, place another item on the platter.
Then display will show average weight again.
If you don't want use auto-hold function, remove the item and press hold key.
Display shows AH_on. Press tare key. İt will be changed AH_off.
Then press Hold key. Auto-hold function will not operate.

4. How to Print (print version)

① While pressing the PRINT key, press the POWER key. The display shows “U SEt”.

② Press the TARE key, the display shows “Pr off”.
(If the setiing value already exist in the scale, then it would display as the setting.)

③ You can change the setting by pressing the ZERO key . Press TARE key to save and move next function setting.



※ MENU DESCRIPTIONS

MENU	DISPLAY	DESCRIPTIONS
Printer	“Pr oFF”	Do not use printer.
	“Pr DLP”	DLP50 printer interface. (Label)
	“Pr DEP”	DEP50 printer interface. (Ticket)
Print method	“Pr key”	Manual print. (DLP, DEP)
	“Pr AUt”	Auto print when the scale is stable. (DLP, DEP)
	“Pr Str”	Ptint continually when the scale is stable. (DEP)
Barcode (DLP only)	“BC on/off”	Print out barcode on/off.
Linefeed (DEPonly)	LF1~LF9	Linefeed

Sample format(DLP-50)

1. Weight + tare

```
            DB-I
============================

Net:    1234567 kg
Tare  : 1234567 kg
Gross : 1234567 kg
```

2. Weight + Tare + Barcode

```
            DB-I
============================

Net:   1234567 kg
Tare  :1234567 kg
Gross :1234567 kg 0 000001 234565
```

Sample format(DEP-50)

```
======== WEIGHT ========

 WEIGHT  :     500.0kg


======== WEIGHT ========

 WEIGHT  :     500.0kg
```

ERROR MESSAGES

Error Message on Display	Description	Solution
"Err 0"	The "Err 0" occurs when scale is not stable.	Remove unstable facts.
"Err 1"	The "Err 1" occurs when a current zero point has shifted from the last span calibration.	Please call your CAS dealer.
"Err 3"	The "Err 3" is an overload error.	Please remove the weight.

SPECIFICATIONS

MODEL	DB-1			DB-1H	
CAPACITY	60kg 30kg/0.01kg 60kg/0.02kg	150kg 60kg/0.02kg 150kg/0.05kg	200kg 100kg/0.05kg 200kg/0.1kg	60kg 30kg/0.01kg 60kg/0.02kg	150kg 60kg/0.02kg 150kg/0.05kg
DISPLAY	VFD 5 DIGIT				
FUNCTION	HOLD FUNCTION(HOLD VERSION) PRINT FUNCTION(PRINT VERSION)				
DISPLAY LAMP	ZERO, TARE				
MAX TARE	-29.99kg	-59.98kg	-99.95kg	-29.99kg	-59.98kg
INTERFACE	RS-232C, DLP-50, DEP-50				
POWER SOURCE	POWER AC 110/220V, 50/60Hz				
PLATTER SIZE(mm)	530(W)x406(D)				
PRODUCT SIZE(mm)	420(W)x635(D)x765(H)				
Temperature Range	-10℃~40℃				
Product Weight	16kg				

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

MEMO

DB-1/1H

Bench Scale

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