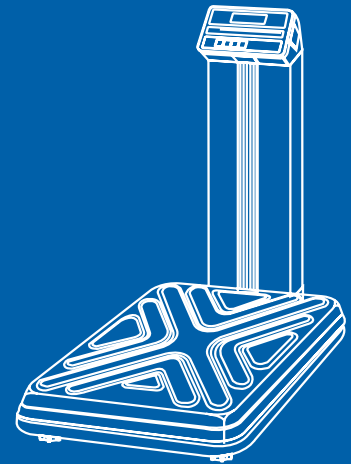


DB-1/1H

Bench Scale



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OWNER'S MANUAL

CAS

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PRECAUTIONS

Warning

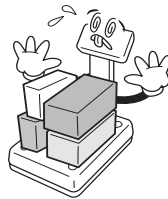
Precautions when installing the scale. To ensure that you get the most from your scale, please follow these instruction.

Do not disassemble the scale.

When any damage or defect occurs, contact your CAS authorized dealer immediately for proper repair.

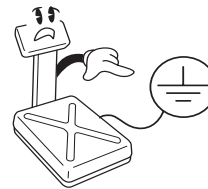


Do not overload beyond the maximum weight limit.



Scale must be grounded to minimize electricity static.

This will minimize defect or electric shock.

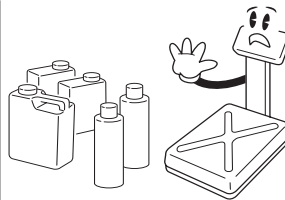


Do not pull the plug by its cord when unplugging.

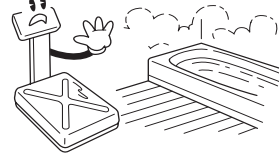
Damaged cord could cause electric shock or fire.



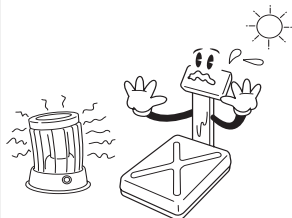
To prevent from fire occurring, Do not place or use the scale near flammable or corrosive gas.



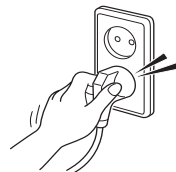
To reduce electric shock or incorrect reading, Do not spill water on the scale or place it in humid condition.



Avoid placing the scale near heater or in direct sunlight.

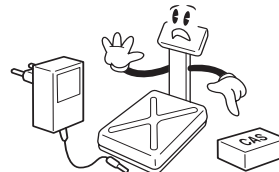


Insert plug firmly to wall outlet to prevent electric shock.

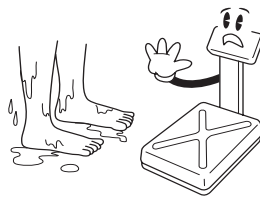


Use proper Adapter.

Incorrect adapter could damage the scale.



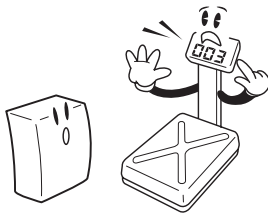
Do not step up on the scale with wet feet. Platter becomes slippery. Humid condition may cause incorrect reading.



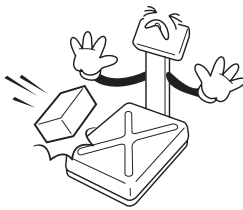
Attention

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

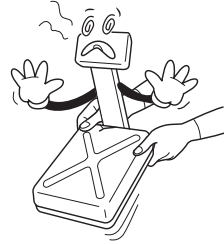
For consistent and accurate reading, maintain periodical check by your CAS authorized dealer.



Avoid sudden shock to the scale.

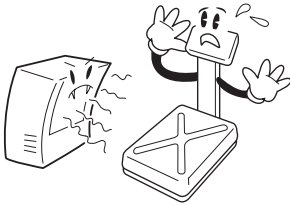


Grab on the bottom of the scale when moving.

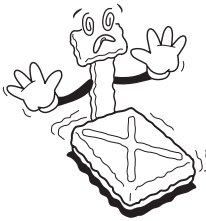


Keep the scale away from other electromagnetic generating devices.

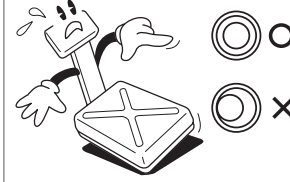
This may interfere with accurate reading.



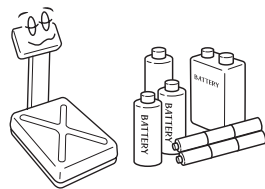
Place the scale on firm and temperature consistent environment.



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



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



PREFACE

Thank you for purchasing our CAS DB-1/1H series scale.

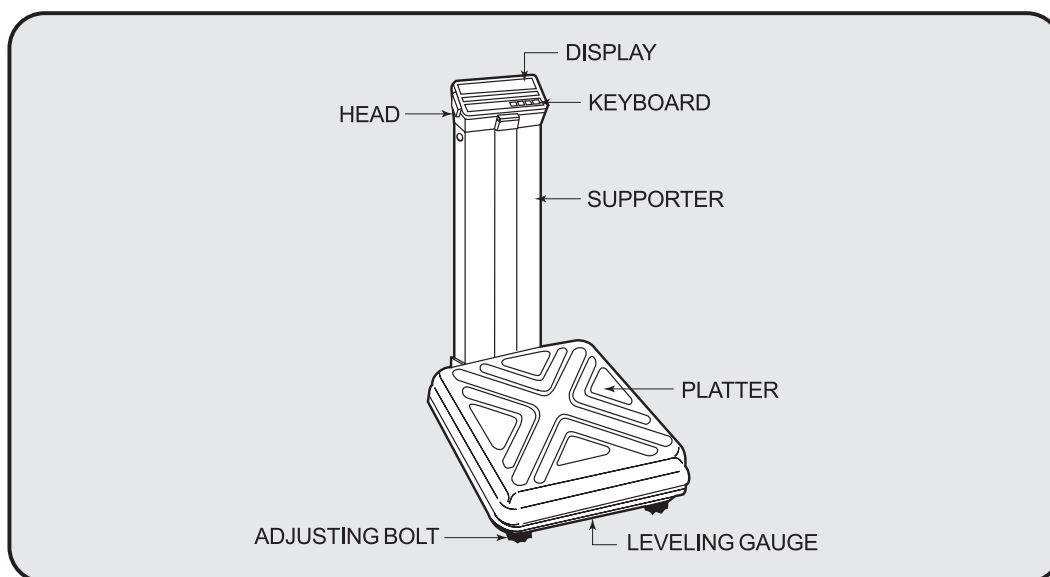
These series have been designed with CAS reliability, under rigid quality control and with outstanding performance. Your specialty departments can enjoy these high quality reliable CAS products.

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.

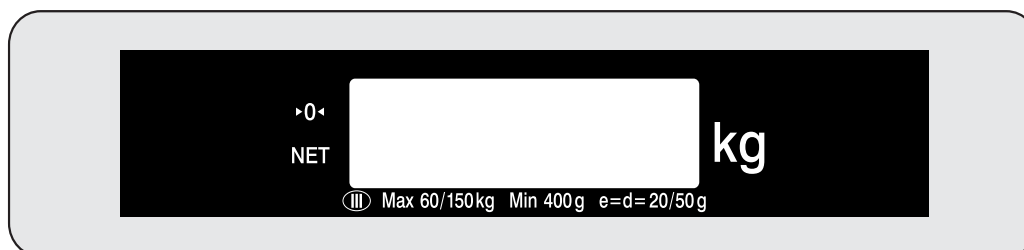
NAMES AND FUNCTIONS

OVERALL VIEW








DISPLAY

- DB-1, DB-1H



KEYBOARD

KEYS	FUNCTIONS
	Turn the displays on or off.
	Used to correct the zero point.
	Used to enter a tare weight. Used to clear a tare weight.
	PRINT FUNCTION (OPTION) – Print version
	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.

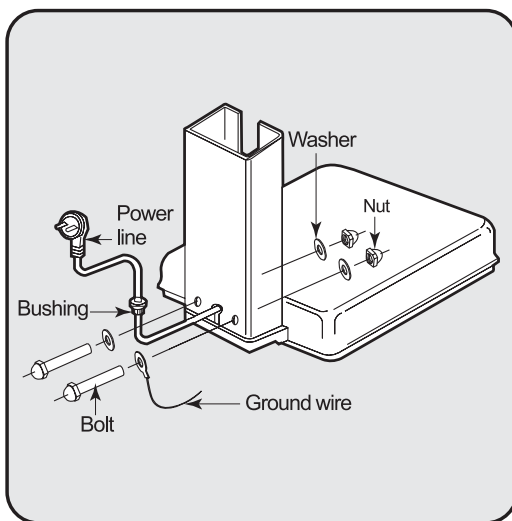


fig. 1

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

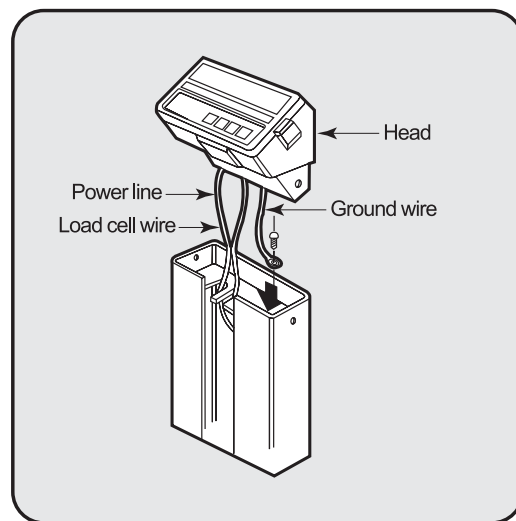


fig. 2

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

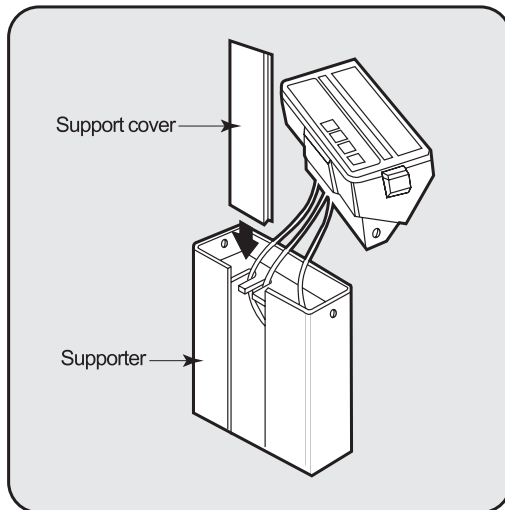


fig. 3

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

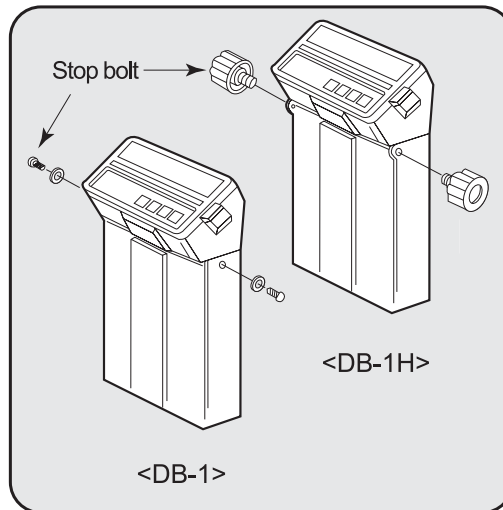
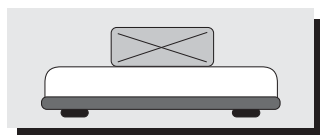


fig. 4

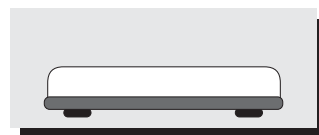
OPERATIONS

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.



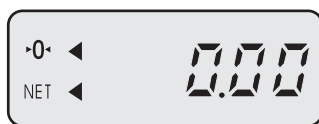
② Remove the commodity from the platter.

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.



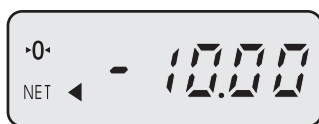
② Press the **T** key.



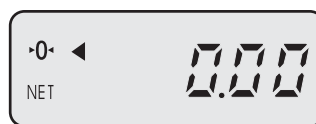
③ Place the commodity in the container.



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.

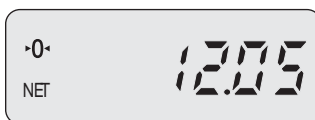
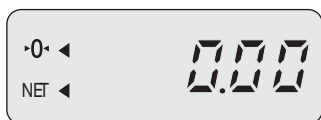
■ After average weight display 3 time, HOLD function will be release automatically.

■ 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. It will be changed AH_off. Then press Hold key. Auto-hold function will not operate.

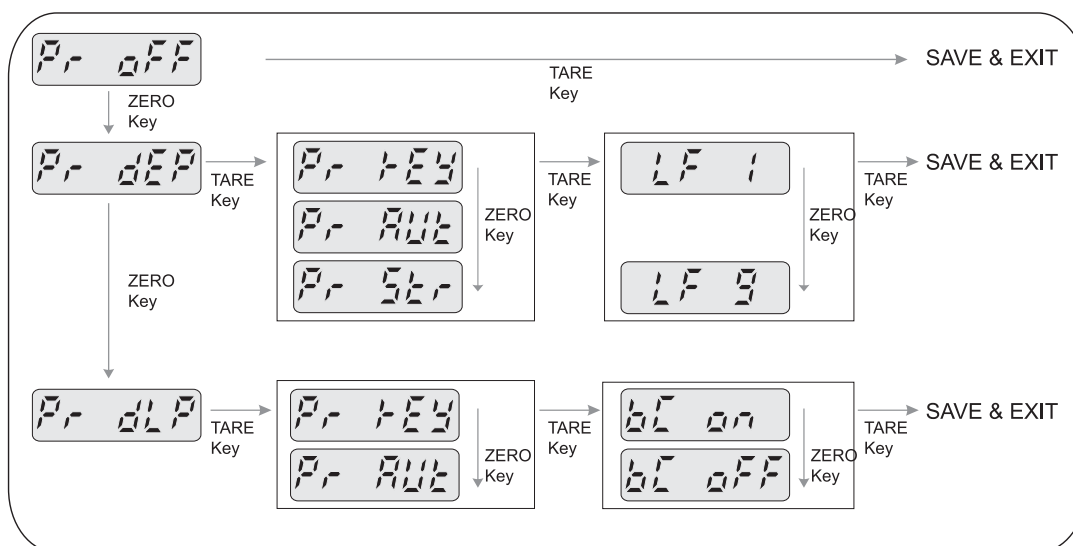
4. How to Print (print version)



- 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 setting 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"	Print 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-1H
=====
Date:2009-03-27  14:21:52
Net:   1234567 kg
Tare  : 1234567 kg
Gross : 1234567 kg

```

2. Weight + Tare + Barcode

```

                        DB-1H
=====
Date:2009-03-27  14:27:09
Net:   1234567 kg
Tare  :1234567 kg
Gross :1234567 kg 0

```



000001234565

Sample format(DEP-50)

```

===== WEIGHT =====
Weight :      0.245kg

```

```

===== WEIGHT =====
Weight :      0.700kg

```

ERROR MESSAGES

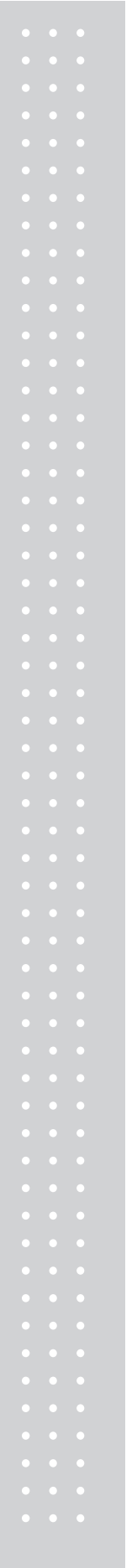
Error Message on Display	Description	Solution
"Err 0"	The "Err 0" occurs when scale is not stable.	Remove unstable facts.
"Err 1"	The "Err 1" occurs when a current zero point has shifted from the last span calibration.	Please call your CAS dealer.
"Err 3"	The "Err 3" is an overload error.	Please remove 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/0.005kg 60kg/0.01kg	150kg 60kg/0.01kg 150kg/0.02kg
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				
POWER CONSUMPTION	About 10 W				
PLATTER SIZE(mm)	530(W)x406(D)				
PRODUCT SIZE(mm)	420(W)x635(D)x765(H)				
TEMPERATURE RANGE	-10°C ~ 40°C				
PRODUCT WEIGHT	16kg				

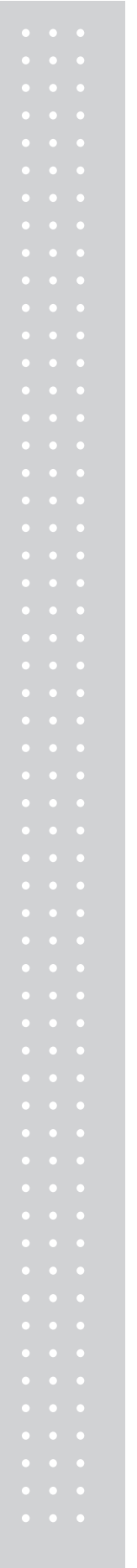
► Notice: Specifications are subject to change for improvement without notice.

MEMO



MEMO

MEMO



MEMO

DB-1/1H

Bench Scale



CAS BLDG., # 440-1, SUNGNAE-DONG,
GANGDONG-GU, SEOUL, KOREA

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