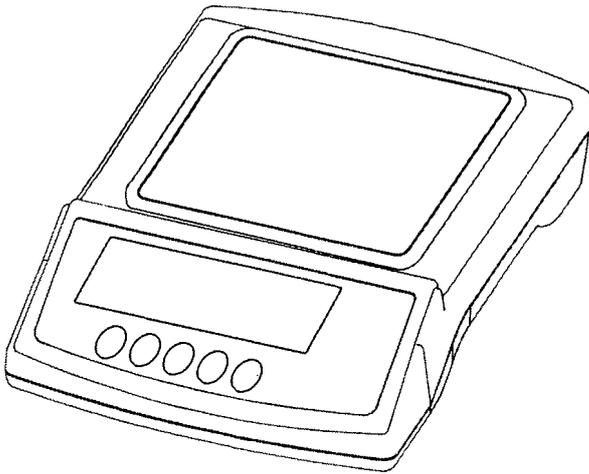


AD SERIES SCALE/BALANCE

INSTRUCTION MANUAL



AC:S

SAFETY PRECAUTIONS

All safety messages are identified by the following the words "WARNING" and "CAUTION". These words mean the following:

△WARNING	Important information to alert you to a situation that might cause serious injury and damage to your property if instructions are not followed.
△CAUTION	Important information that tells how to prevent damage to equipment.

When using the scale/balance, the following safety precautions should always be followed.

△ WARNING

Use only the AC adaptor with the scale/balance. Other adaptor may cause damage. (AC adaptor is optional)

△ CAUTION

Avoid installing the scale/balance in direct sunlight, this may cause discoloration or malfunctions.

Do not mix the type of batteries. Replace all other batteries at the same time.

If the scale/balance is not to be used for a long period of time, remove all batteries from the battery compartment to avoid leakage which may cause damage to the instrument.

Avoid overloading that could cause damage to the scale/balance.

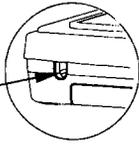
Do not drop water in the scale/balance that is not water-resistant. It causes damage, if inside of the scale/balance is wet.

Matter charged static electricity could influence the weighing. Discharge the static electricity. As example, the method is to use the electrification prevention spray, to spray it to both side of weighing platform.

PARTS DESCRIPTION

▶ RIGHT SIDE

AC adaptor
Socket



▶ TOP

Display

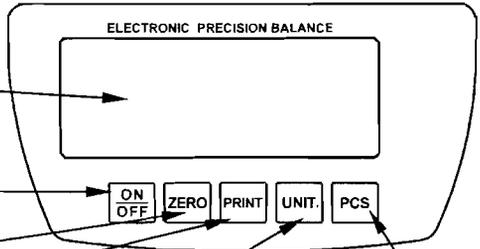
ON/OFF key
Turns the scale
power on/off.

ZERO key (for TARE)
Sets display to zero

PRINT key (optional)

UNIT key
Changes weighing units, g ,ct, oz,....., tola

PCS key

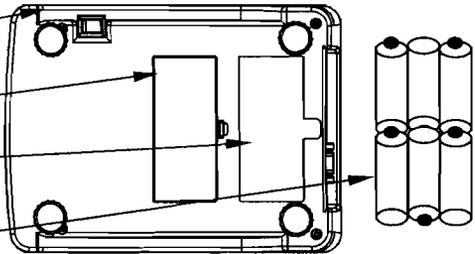


▶ BOTTOM

Switch key
Battery compartment cover

Battery compartment

Batteries
Use 6 AA batteries

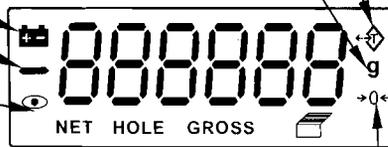


▶ DISPLAY

Low battery indicator
Negative value indicator

STABLE indicator
when the reading is stable.

weighing unit **TARE indicator**



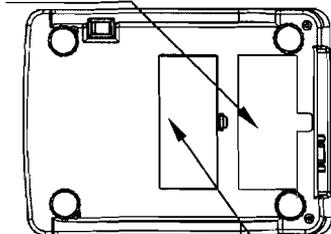
ZERO indicator

PREPARATION

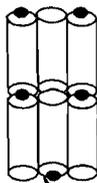
1.Installing batteries/Connecting the AC adaptor

batteries

Battery compartment



Battery compartment cover

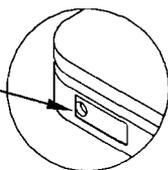


R6P/LR6/AA size
Dry batteries.
(batteries are not included)

Remove the battery compartment cover and insert six batteries(R6P/LR6 /AAsize) into the battery compartment, taking extreme care that the polarities plus and minus is observed.

AC adaptor (optional)

AC adaptor socket



Plug the AC adaptor to the AC adaptor socket on the side. The AC input requirement could be 110,120,220,230 or 240Volts (50/60Hz) depending on the area where used, so please verify that the adaptor is correct

2.Setting up the scale/balance

△ CAUTION

Avoid installing the scale/balance in direct sunlight, that may cause discoloration or malfunctions. Place your scale/balance on a firm weighing table so that the scale/balance is level. (The scale/balance will not perform accurately when it is not level.)

Place the scale/balance on the firm surface that is flat and level for an accurate weighing.

WEIGHING

Before weighing

Whenever possible, please allow the balance to warm up for 10 minutes after first turning to power on, so that the balance will function. Properly and accurately.

Error messages

EEEE: Overload

: Low battery

Calibration may be required before weighing.

Read "CALIBRATION" first and if necessary, calibrate your scale/balance for accurate weighing.

Weighing procedures

1. Press [ON/OFF] to turn on the balance.

When power is turned on, all display segments appear on LCD for a few seconds and finally "0" will appear on the display.

2. Select the weighing unit with [UNIT].

Press [UNIT] to select a weighing unit, eg. "g"、"ct"、"oz"、"tola"

Once the unit has been selected, the selected unit will be displayed to the weight value.

3. Start weighing

If you do not use a container for weighing

Verify the reading is "0". If not, press [ZERO] to display "0".

Place objects on the weighing platform to weigh.

When the reading becomes stable, the stable indicator is displayed.

If you use a container for weighing

Place an empty container on the platform.

Wait for the stability indicator to be displayed and press [ZERO].

Place the objects to be weighed in the container.

When the reading becomes stable, the stable indicator is displayed.

FEATURES

- Auto shut off (optional).
- Auto zero tracking
- Low battery indication
- Lager LCD Display
- Large weighing pan
- 1/120000&1/15000 division available
- Auto calibration
- Auto backlight (optional)
- g/ct/oz/tola..... conversion(optional)
- with counting function
- Net weight/stability indication

CALIBRATION

When to calibrate

Calibration may be required when it is initially installed, if the scale/balance is moved to a substantial distance. This is necessary because the weight of a mass in one location is not necessarily the same in another location. Also, with time and use, mechanical deviations may occur.

How to calibrate

1. Before entering calibration mode, press [ON/OFF] to turn the power on for 1 minutes.

2. Enter calibration mode

Press [ON/OFF] to turn the power off. Press [UNIT] first, then Press [ON/OFF], while keeping pressing [UNIT], the display will show the A/D value.

3. Calibration by the weight

Wait for the stable indicator to be displayed, Press [UNIT] , when the reading is stable ,the display will show "00SAVE", then the display will show the first calibration weight.

4. Place the first calibration weight on platform. Wait for the stable indicator is displayed, press [UNIT], when the reading is stable , the display will show "00SAVE". then the display will show the second calibration weight. Place the second calibration weight on the platform, wait for the stable indicator to be displayed, press the [UNIT] the display will show "00SAVE" then the display will return to A/D value. Now the calibration is complete.

5. Press [ON/OFF], turn off the power, press [ON/OFF] turn on the power again, place the weight on the platform to make sure whether weighing is correct, if not, repeat steps 2-5.

6. Return to weighing mode

Press [ON/OFF] to turn the power off. Press [ON/OFF] again to turn on the power and the scale/balance return to the weighing mode.

SPECIFICATIONS

Model number	Capacity	Division
AD -100	100g	0.001g/0.005g
AD -200	200g	0.005g
AD -300	300g	0.005g/0.01g
AD -600	600g	0.01g/0.005g
AD -1500	1500g	0.05g
AD -3000	3000g	0.05g/0.1g
AD -6000	6000g	0.1g/0.2g
AD -10000	10000g	0.2g/0.5g/1g
Platter	ϕ 115mm or 170 x 180mm	
Net/gross weight	1350/1500g	
Package	Standard carton: 34 × 22 × 14(cm ³)	
	6 Units in one box: 47.5 × 38.5 × 45(cm ³)	
Operating Temperature	0-40°C(32-104°F)	
Power source	6 × AA Batteries or AC/DC	
	Adapter 9V/100mA (optional)	

Counting procedures

1. Press [ON/OFF] to turn on the scale.

Wait for "0" to appear on the display.

2. Start the Count Procedure

If necessary, press [ZERO] key to set the display to "0".

3. Press the [PCS] key to put the scale in PCS mode. ,the display will show S=X X ,press UNIT to select XX value (10 20 50 100),Place a given number of samples of an item on the pan (the Sample Size should be either 10, 20, 50 or 100 pieces). The weight of these samples will show on the display.

4. Press the [PCS] key, the display will show "XX pcs", then the scale will recall the sample size you selected and show the starting sample size on the display (you can now remove the samples if you want to return the scale to 0)

5. Press the [PCS] key to return to the weighing mode

FUNCTION SETTINGS

1. Enter function setting mode.

Press **[ON/OFF]** to turn the power off, Press **[ZERO]** first, then press **[ON/OFF]**, while keeping **[ZERO]** pressed, the display will show **A_ON** or **A_OFF**.

2. Selection of auto backlight mode.

When the balance enter function setting menu. Press **[UNIT]** key, the display will show **L_ON** or **L_OFF**, press **[ZERO]**, selection display **L_ON**, this means auto backlight function active, press **[ZERO]** again, the display will show **L_OFF**, this means auto backlight function inactive, i.e. shut off backlight function.

3. Selection of auto shut off mode.

When the balance enter function setting menu. Press **[UNIT]** key, the display will show **A_ON** or **A_OFF**, press **[ZERO]**, selection display **A_ON**, this means auto shut off function active. Press **[ZERO]** again, the display will show **A_OFF**, this means auto shut off function inactive.

4. Return to weighing mode.

Press **[ON/OFF]** to turn the power off, press **[ON/OFF]** again to turn on the power and the scale return to the weighing mode.