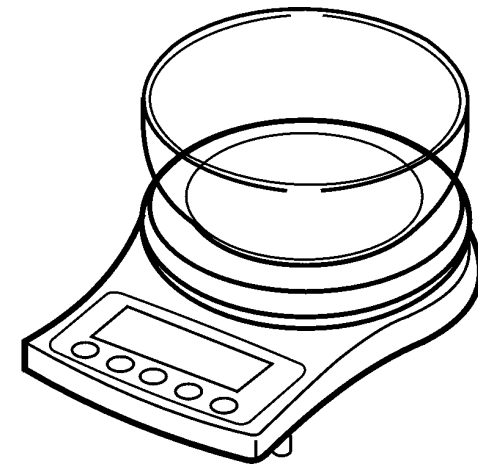


# COMPACT SCALE FRJ SERIES

## INSTRUCTION MANUAL



## SAFETY PRECAUTIONS

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

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

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

### △ WARNING

**Use only the correct AC adaptor with the scale. Other adaptors may cause permanent electrical damage.**

### △ CAUTION

Avoid placing the scale in direct sunlight, this may cause discoloration or malfunction.

Replace all batteries at the same time – Do not replace only a portion of the 4 batteries as this may cause a malfunction.

If the scale 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 this scale.

## SPECIFICATIONS

Container	180×180mm
Net/gross weight	400/600g
Package	Standard carton: 24x18.5x13.5(cm <sup>3</sup> )
	12 Units in one box: 58.5x58x27(cm <sup>3</sup> )
Operating Temperature	0-40°C(32-104°F)
Power source	4×AAA Size Batteries or AC/DC
	Adapter 6V/100mA (optional)



# CALIBRATION

## When to calibrate

Calibration may be required when it is initially installed, if the scale 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 and hold [ZERO], after 3~5 seconds the display will show the A/D value.

### 3. Calibration by the weight

Wait for 3 seconds, Press [ZERO] the display will show "2Ero", then the display will return to full weight value.

4. Place the full weight (eg.5000g for FRJ5000) in container. then press [ZERO], the display will show "CAL", then the displayed will return to "PASS", Now calibration is finished.

5. Press [ON/OFF], turn off the power, press [ON/OFF] turn on the power again, place full weight (eg.5000g for FRJ5000) in the container to make sure whether weighing is correct, if not, repeat steps 2-5.

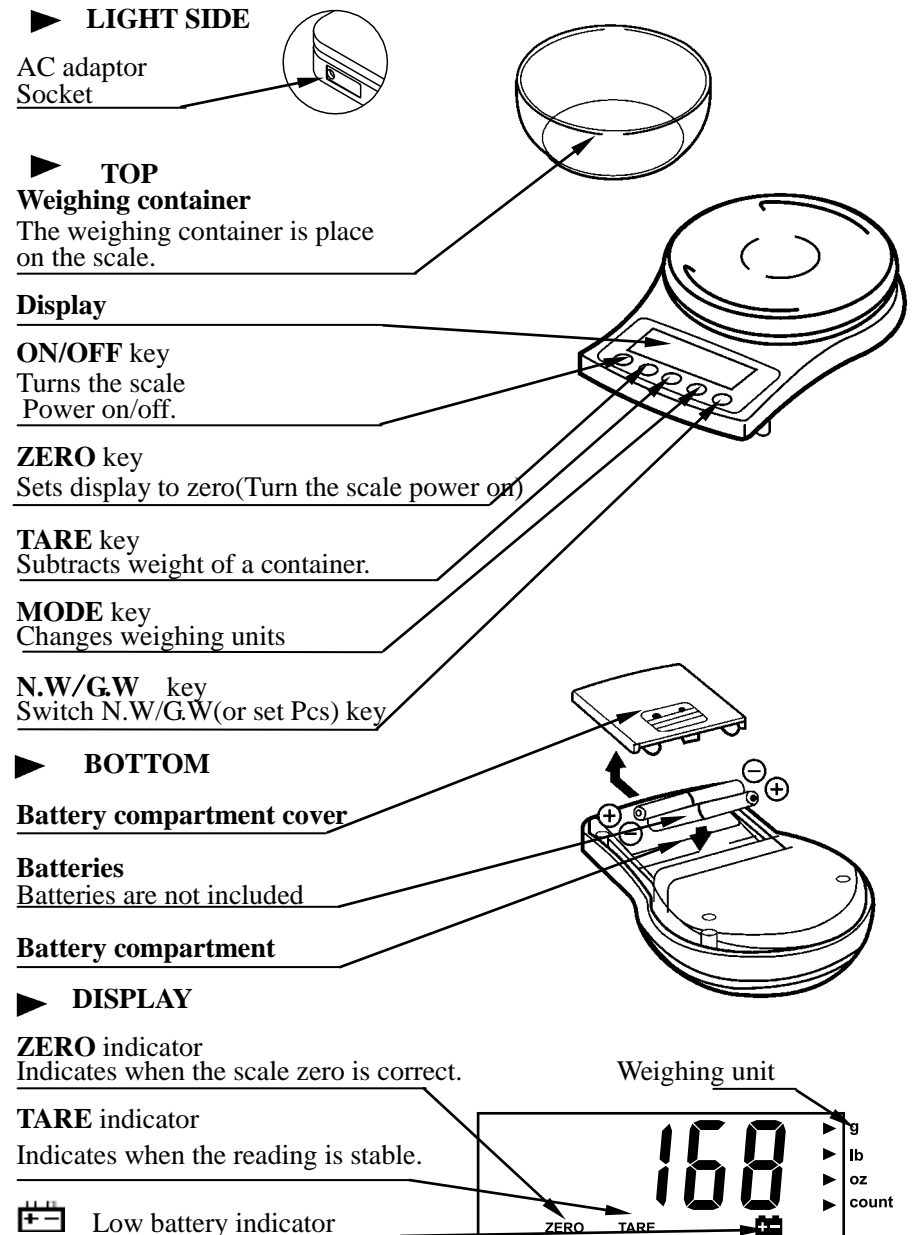
### 6. Return to weighing mode

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

# FEATURES

- Auto shut off
- Auto calibration
- Auto zero tracking
- g/oz/lb or g/oz/dwt conversion(optional)
- Low battery indication
- Large container weighing
- Large LCD (5.5digits 15 mm high)
- Counting function
- Net weight/Gross weight indication
- 1/2000,1/3000&1/5000 division available

# PARTS DESCRIPTION

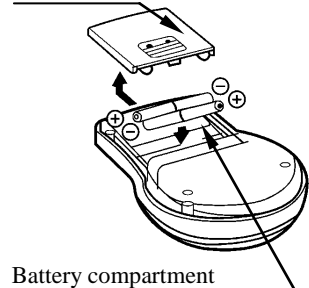


# PREPARATION

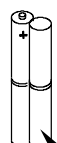
## 1.Installing batteries/Connecting the AC adaptor

### Batteries

Battery compartment cover



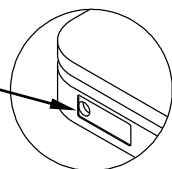
Remove the battery compartment cover and insert four batteries(R6P/LR6 /AAAsize) into the battery compartment, taking extreme care that the polarities plus and minus is observed.



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

### AC adaptor (optional)

AC adaptor socket



Plug the AC adapter to the AC adapter 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

### ⚠ CAUTION

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

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

# WEIGHING AND COUNTING

## Before weighing and counting

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 for accurate weighing.

### Weighing procedures

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

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 [MODE].

Press [MODE] to select a weighing unit, eg. "g" and etc .

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

#### 3.Start weighing

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

Place objects in the weighing container to weigh.

The weighing value is displayed.

### Counting procedures

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

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

#### 2.Start counting

verify the reading is "0" ,if not, press [ZERO] key to display "0".

Place the certain numbers of sample in the container(numbers of sample=10、 20、 50or100), total weigh is displayed.

Press[MODE] key to select the counting mode.(e.g. count)

Set the certain numbers of sample thought press [NW/GW] key(the certain numbers of sample=10、 20、 50or100), then press [MODE] key, the display will show "CAL", after 1 second, set the certain numbers of sample are displayed.

Place the unknown numbers of sample in the container, the total numbers is displayed.

#### 3.Return to weighing mode

Press[MODE] key, the scale return to the weighing mode.

**NOTE: the weigh of unit sample > 10e.**