

COMPACT SCALE
FRJ-1000

INSTRUCTION MANUAL



SAFETY PRECAUTIONS

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

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

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

Δ WARNING

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

Δ CAUTION

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

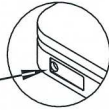
Replace all batteries at the same time – Do not replace only a portion of the 4 batteries as this may cause a malfunction.

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.

PARTS DESCRIPTION

► LIGHT SIDE

AC adaptor
Socket



► Display

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

ZERO key
Sets display to zero(Turn the scale power on)

TARE key
Subtracts weight of a container.

MODE key
Changes weighing units

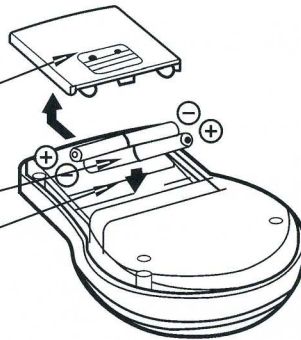
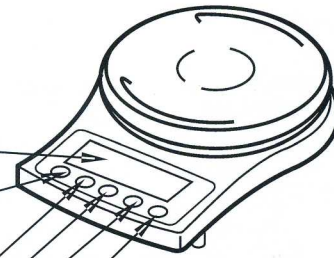
N.W/G.W key
Switch N.W/G.W(or set Pcs) key

► BOTTOM

Battery compartment cover

Batteries
Batteries are not included

Battery compartment



► DISPLAY

ZERO indicator
Indicates when the scale zero is correct.

TARE indicator
Indicates when the reading is stable.

 Low battery indicator

Weighing unit

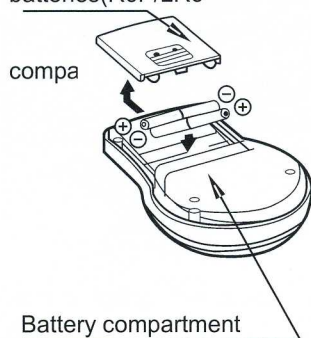


PREPARATION

1.Installing batteries/Connecting the AC adaptor

Batteries

Battery
compartment cover
batteries(R6P/LR6



Remove the battery compartment
cover and insert four

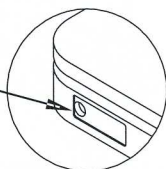
/AAAsize) into the battery

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 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

⚠ 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, allow the balance to warm up for 10 mins after 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.

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"

Once the unit has been selected, it 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.

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, 50 or 100), 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, 50 or 100), 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.

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 1minutes.

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.1000g for FRJ-1000) 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.1000g for FRJ-1000) 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.

SPECIFICATIONS

Capacity	1Kg
Resolution	0.1Kg
Accuracy	±0.2g
Dimensions	210 x 150 x 40mm 130mm diameter pan
Operating Temperature	0-40°C(32-104°F)
Power source	4×AAA Size Batteries or AC/DC
	Adapter 6V/100mA (Not Supplied)

FEATURES

- Auto shut off
- Auto calibration
- Auto zero tracking
- g/oz/lb
- Low battery indication
- Large container weighing
- Large LCD (5.5digits 15 mm high)
- Counting function
- Net weight/Gross weight indication