

Industrial Weighing Systems

iBalance SERIES

INSTRUCTION MANUAL

1. Selection of auto backlight mode.
Press [UNIT] to select auto backlight function, the display will show an arrow next to **LIGHT** , this means auto backlight function active, press [UNIT] again, the display will not show the arrow next to **LIGHT**, this means the auto backlight function is inactive, i.e. shut off backlight function.
2. Selection of auto shut off mode.
Press [ZERO] to select auto shut off function, the display will show an arrow next to **A_OFF**, this means auto shut off function active. Press [ZERO] again, the display will not show an arrow next to **A_OFF**, this means the auto shut off function is inactive.
3. Return to weighing mode.
Press [ON/OFF] to turn the power off, press [ON/OFF] again to turn on the power and the scale will return to normal weighing mode.

*** Counting procedures(optional)**

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. 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 [UNIT] key several times to put the scale in PCS mode.

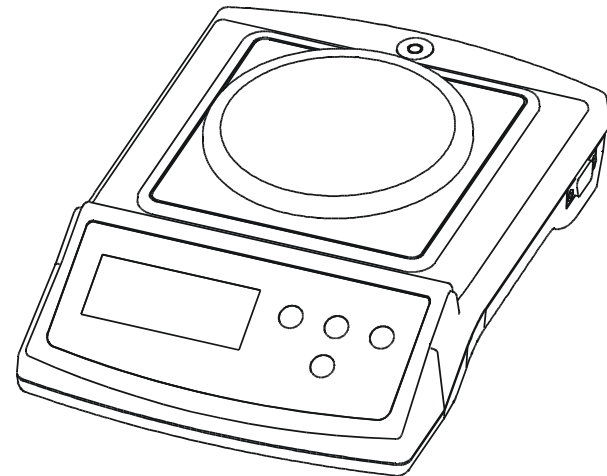
5. Select the sample size (the same as you chose above) by pressing the [PCS] key. (press it as many times as necessary to put it in the correct sample size ,the sample size is the same as in step three =10、 20、 50or100.

6. Press the [UNIT] key, the display will show "selected pcs", then the scale will remember 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)

7. Place the items that you want counted onto the tray and the total number of items will show on the display.

8. Press [UNIT] key to exit counting function and return to normal weighing or you can press ON/OFF to turn off and exit. Note: sample weight must be > 10 div.



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.

SPECIFICATIONS

Model number i5500	Capacity 100g	Division 0.005g
Platter / Tray	140×165mm	
Net/gross weight	510/620g	
Package	Standard carton: 29×22×14(cm ³)	
	12 Units in one box: 60×45×45(cm ³)	
Operating Temperature	0-40c (32-104°F))	
Power source	6×AA Size Batteries or AC/AC	
	Adapter 11V/150mA (optional)	

SPECIAL WARNING

Cell-Phones, Cordless-Phones, and any radio-frequency device can cause temporary interference and cause the scale to temporarily not work properly. Please do not use any electronic device near the i101. Just like in an Airplane, do not use your cell-phone near the scale when it is in use. While there is NO risk of permanent damage to the scale, interference can cause an incorrect calibration or incorrect weight readings.

FUNCTION SETTINGS

- Enter function setting mode.
The scale should be OFF. Press **and hold [UNIT]** first, then press and release **[ON/OFF]** (**while** keeping **[UNIT]** pressed) the display will show **LIGHT** or **A_OFF** arrow and the display will show 888888 Now you can release the UNIT key.

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**
3. **The scale must be powered OFF.** Press and hold [ZERO] first, then Press [ON/OFF] while keeping the [ZERO] button depressed, then release both keys. The display will show the A/D value (a series of random numbers).
4. Wait for the stable indicator to be displayed, Press [UNIT] the display will show "00SAVE", then after 2 seconds the display will return to the random A/D value.
5. Place scale capacity in grams on platform. Wait for the stable indicator to display, then press [UNIT], the display will show "00SAVE". Calibration is complete, remove the weight(s).

Turn the scale OFF (Press the ON/OFF key), then turn it back ON and check some weight readings. If calibration is still incorrect, repeat calibration but try it more slowly

FEATURES

- Auto shut off (optional).
- Auto zero tracking
- Low batter indication
- Large LCD (6digits 15 mm high)
- Large square weighting pan
- Net weight/stability indication
- 1/30000&1/15000 division available
- Auto calibration
- Auto backlight (optional)
- g/oz/lb/ozt/gn/dwt/ct/n or g/ct/oz/tl/tola/gn/dwt conversion(optional)
- with counting function(optional)

PARTS DESCRIPTION

▶ RIGHT SIDE

AC adaptor
Socket

▶ TOP

Weighing platform

The arch face of platform is front.
Correct the direction of the pan.

Display

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

UNIT key

Changes weighing units, g ,oz,lb, ozt, dwt, ct,gn or pcs(counting mode).

ZERO key (for TARE)

sets display to zero or
Subtracts weight of a container.

▶ BOTTOM

Battery compartment

Battery compartment cover

Batteries

Use 6 AA batteries

▶ DISPLAY

STABLE indicator
Indicates when the reading is stable.

Auto backlight function indicator

Auto shut off function indicator

ZERO indicator

Indicates when the reading is stable

Weighing unit

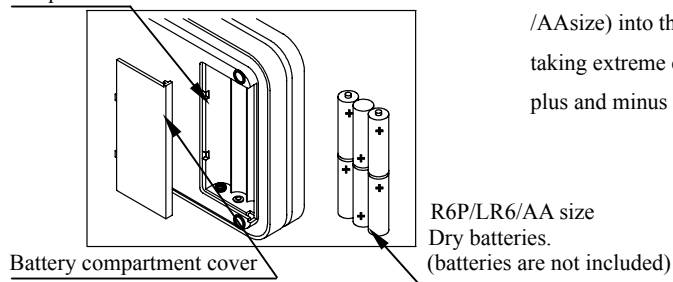
 Low battery indicator

PREPARATION

1. Installing batteries/Connecting the AC adaptor

Batteries

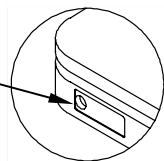
Battery compartment



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 scale/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 [SET].

Press [SET] to select a weighing unit, eg. "g", "ct", "oz", "dwt", "ozt", "gn", "n" or "g", "ct", "oz", "tl", "tola", "gn", "dwt".

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.