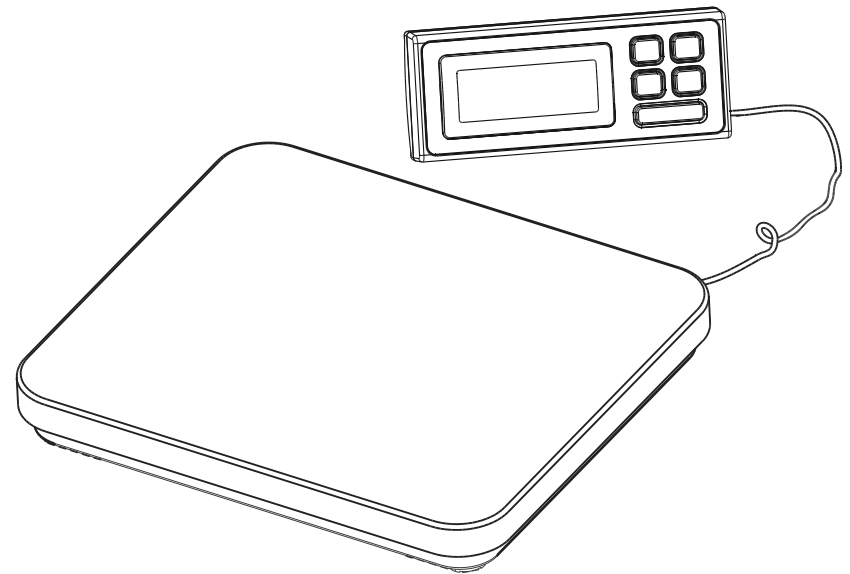


**PORTABLE SCALE**  
**LSS SERIES**  
**INSTRUCTION MANUAL**



# SAFETY PRECAUTIONS

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

|                  |  |
|------------------|--|
| <b>⚠ WARNING</b> | <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> |
| <b>⚠ CAUTION</b> | <b>Important information that tells how to prevent damage to the equipment.</b>  |

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 6 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.

**Avoid overloading the scale, as this may cause permanent damage and void your warranty – do not EVER exceed the maximum capacity of the scale**

Keep the scale away from water – this scale is not water resistant. Shock, injury and electrical damage can occur if used in a wet location!

Matter charged with static electricity could affect accuracy. Discharge all static electricity. For example, one method is to use Static-Guard spray, and spray it on both sides of the weighing platform.

# SPECIFICATIONS

| Model number           | Capacity  | Division |
|------------------------|---|----------|
| LSS-400                | 400lb   | 0.1lb    |
| LSS-200                | 200lb   | 0.05lb   |
|                        |   |          |
|                        |   |          |
| Platter / Tray         | 14 x 16inch/355x405mm                             |          |
| Net/gross weight       | 2.8 kg/4.2 kg                                     |          |
| Package                | Standard carton:530x450x115 (mm <sup>3</sup> )    |          |
|                        | 5 Units in one box: 640x560x485(mm <sup>3</sup> ) |          |
| Operating Temperature  | Optimum: 15-30°C (62-90f)                         |          |
| Indicator Power source | 6×AA Batteries or AC/DC                           |          |
|                        | Adapter 9V /100mA                                 |          |

# FEATURES

- Auto shut off (selectable)
- Auto zero tracking
- Large LCD
- Large square weighing tray.
- Auto calibration
- AC Power
- hold function
- Auto backlight(selectable)

## **\*\*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 shipping scale. 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.**

# CALIBRATION

## When to calibrate - calibration is almost never required.

If the scale is inaccurate, calibration may be desired when the scale is first set up for use, or if the scale is moved to a different altitude or gravitation. 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 can occur.

## How to calibrate

**Note: calibration value must be more 2/3 of the capacity value that you have set.**

1. Press and keep **【ZERO】** key then press ON/OFF key to turn on the scale, the display will show XXX.XX kg
2. Press **【UNIT】** key to select setting unit between kg and lb , press **【HOLD】** key to move flash digit to right, press **【ZERO】** key to increase flash digit.. Press **【TARE】** key, the display will show CAL then AD value. Press **【UNIT】** key, the display will show flashed calibration weight. Place the shown weight then press **【UNIT】** key, the display will show ----- then AD value. Take off calibration weight then turn off the scale. Calibration is finished.

If calibration is repeatedly incorrect then: 1) Replace the batteries, 2) Try a more stable surface or vibration and interference free location.

# INDICATOR DESCRIPTION

## ► BACK

AC adaptor

Socket

**ON/OFF** key

Turn the scale  
power on/off.

**HOLD** key

The item's weight reading will remain  
on the display

**UNIT** key

Change weighing units, e.g. Kg or lb,.

**TARE** key

Tare Range (100% of full capacity)

**ZERO** key

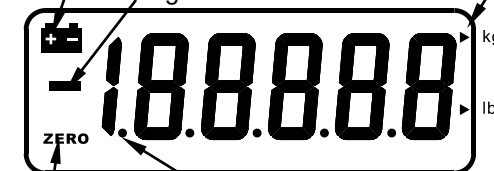
Set display to zero or  
Zero Range (4% to full capacity)

## ► DISPLAY

Low battery indicator

Negative value indicator

Weighing unit



**ZERO** indicator

Indicates when the reading is 0

Hold indicator

## HOLD FUNCTION

- 1) Place the item on the scale platform.
- 2) Wait for the weights to be displayed.
- 3) Press the [HOLD] key. The “.” hold indicator will turn-on.
- 4) Remove the item from the scale platform. The item’s weight reading will remain on the display. You can now also convert this to other measures (i.e. to Pounds or Kilograms) by pressing the [UNIT] key.
- 5) Quit hold function: Once an item is weighed and the hold function is enabled; you want to quit to hold function, Press the [HOLD] key again to cancel the “.” hold indicator and return the scale to weight mode.

## WEIGHING

### Before weighing

Whenever possible, please allow the scale to warm up for several seconds after first turning the power on so that the scale will function properly and accurately.

### Error messages

EEEE: Overload



Low battery

Err-Z: Exceed zero track range when turn on the power

Err- S: The scale is unstable when turn on the power

Err- C: Forget to input calibration weight when calibrating or the AD value is too low.

### Weighing procedures

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

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

#### 2. Select the weighing unit with [UNIT].

Press [UNIT] to select a weighing unit "kg", "lb".

Once the unit has been selected, the selected unit will be displayed next 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 the items to be weighed on the platform.

#### If you use a container for weighing,

Place an empty container on the platform.

Wait for the stability weighing to be displayed and press [TARE].

Place the objects to be weighed in the container.

## FUNCTION SETTINGS

#### 1. Enter function setting mode.

Press [ON/OFF] to turn the power off, Press [HOLD] first, then press [ON/OFF], while keeping [HOLD] pressed, the display will show **A\_OFF**.

#### 2. Selection of auto shut off mode.

When the scale enters function setting menu, the display will show **A\_OFF**.

Press [ZERO] to choose ON or OFF: selection display **ON**, this means auto shut off function active. Press [ZERO] again, the display will show **OFF**, this means auto shut off function inactive.

#### 3. Selection of auto backlight mode.

When the scale enters function setting menu, press [HOLD] key, the display will show **L-ON (or OFF)**. Press [ZERO] to choose ON or OFF: selection display **ON**, this means auto backlight function active, press [ZERO] again, the display will show **OFF**, this means auto backlight function inactive, i.e. shut off backlight function.

#### 4. Selection of auto HOLD mode.

Press [HOLD] key, the display will show **H-ON** or **H-OFF**, press [ZERO], selection display **H-ON**, this means **AUTO-HOLD** function active, press [ZERO] again, the display will show **H-OFF**, this means **AUTO-HOLD** function inactive.

#### 5. 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.