

FS SERIES

ALL STAINLESS STEEL ELECTRONIC FLOOR SCALE

OPERATION MANUAL

PLEASE READ THIS MANUAL VERY CAREFULLY BEFORE
ATTEMPTING TO OPERATE THE SCALE

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APRIL 1998

Specifications subject to change without prior notice

1. INSTALLATION

1.1 Check and make sure that the following accessories are included:

This operation manual

Indicator x 1

Platform x 1

Pillar x 1

Power adaptor x 1

Screws and tool set x 1

Contact your dealer if any item missed.

1.2 Install the scale very carefully. Refer to Appendix INSTALLATION DIAGRAM for installation method and procedures. Should you encounter any problem in installation, contact your dealer.

1.3 Power on the scale

a. Before plugging the power adaptor into electricity outlet, check and make sure that the input voltage of power adaptor matches with the output voltage of the

outlet. If not, do not plug in the adaptor, contact your dealer immediately.

b. Before first time use, plug the main adaptor into the wall outlet and charge the scale for at least 8 hours.

c. Retain the packing materials for future transportation purposes.

Caution:

In most cases, this unit is legal for trade only when it is sealed and bearing a serial number. Do not attempt to break the seal or remove the serial number. Contact your dealer for more information or after sales service.

2. SPECIFICATIONS

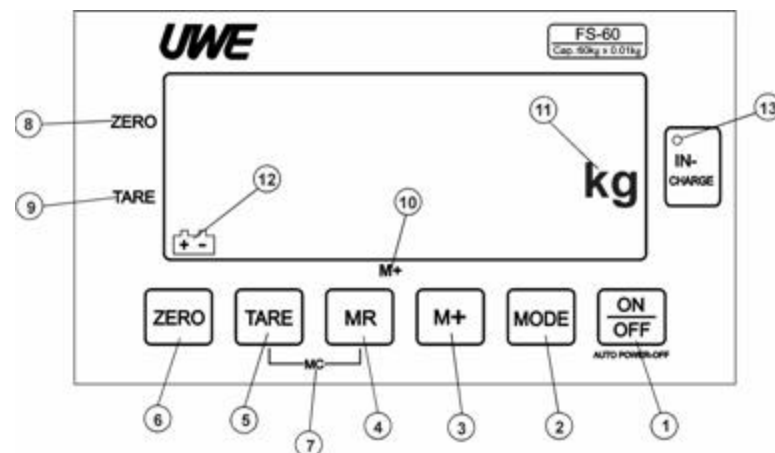
Model No.	Capacity	Division
FS-60	60kg	0.01kg
FS-150	150kg	0.02kg
FS-300	300kg	0.05kg
Platform size	425 x 525 mm	
Power source	Built-in rechargeable battery or power adaptor	
Max. Tare range	Up to 100% of rated capacity	
Max. Zero range	Up to 2% rated capacity	
Weight Units (Note A)	Metric, decimal pound and pound/ounce	
Operation Environment	0°~40°C (32°~104°F), Non-condensed. R.H.? 85%	

Specifications subject to change without notice.

Note A:

To comply with the law of certain countries, the avoirdupois weight units may be disabled. Contact your dealer for more information.

3. KEYBOARD LAYOUT AND DESCRIPTION



1. ON/OFF KEY

Press this key to turn scale on or off.

2. MODE KEY

Press this key to switch among metric and avoirdupois weight units with or without backlight (optional).

3. M+ KEY

Press this key to enter present weight value into memory.

4. MR KEY

Press this key to recall the accumulated weight value in memory.

5. TARE KEY

Press this key to tare off the weight of a container and get the net weighing result.

6. ZERO KEY

Press this key to reset weight displayed to zero when unloaded.

7. MC KEY

Press the MR and TARE key simultaneously to clear all data in memory.

8. ZERO INDICATOR

An arrow will appear and point at this sign to indicate a zero weight status.

9. TARE INDICATOR

An arrow will appear and point at this sign when the tare function is being employed.

10. M+ INDICATOR

An arrow will appear and point at this sign when the memory contains data.

11. WEIGHT UNIT INDICATOR

"kg" indicates the metric unit is being employed.

"lb" indicates the avoirdupois unit is being employed.

12. LO-BAT INDICATOR

When this indicator appears, recharge the scale immediately. Failure to do so may cause unrecoverable damages to the rechargeable battery inside.

13. IN-CHARGE INDICATOR

Red color: Recharging battery

Green color: Charging completed

4. INITIAL SETUP

4.1 Placing the Scale

Place the scale on a hard and strong surface, where is free from RF interference, vibration, fire, direct sunlight and excessive moisture. For accurate weighing, always place this unit on a level surface.

If required, adjust the adjustable feet underneath scale to obtain a level position.

4.2 Internal Setting

4.2.1 Select weight unit

The scale is equipped with metric and avoirdupois weight units. Follow the below steps to enable/disable the avoirdupois units.

- a. Turn scale off
- b. Press and hold TARE, then press ON/OFF
- c. Scale displays F.1

- d. Press TARE twice
- e. Scale display F.3
- f. Press and hold MODE until the kg or lb sign appears.
- g. Press MODE to shift between kg and lb sign.
- h. To enable the avoirdupois units, press ZERO when the lb sign appears.
- i. To disable the avoirdupois units, press ZERO when the kg sign appears.
- j. After ZERO is pressed, the scale will return to operation status.

4.2.2 Select Auto Power Off Setting

The scale is equipped with Auto Power Off function. The scale will be turned off automatically if it is not used for 4 minutes. Follow the below steps to enable/disable the Auto Power Off function

- a. Turn scale off
- b. Press and hold TARE, then press ON/OFF
- c. Scale displays F.1
- d. Press TARE three times

- e. Scale display F.4
- f. Press MODE to shift between 0._OFF and 4._OFF.
- g. To enable the Auto Power Off function, press ZERO when 4._OFF appears.
- h. To disable the Auto Power Off function, press ZERO when 0._OFF appears.
- i. After the ZERO is pressed, the scale will return to operation status.

5. INSTRUCTION FOR USE

5.1 Before Weighing

Make sure that:

- a. The upper platform cover is inserted firmly into the platform.
- b. The scale is placed on a level and strong surface.
- c. The scale is turned on.
- d. The ZERO indicator is on. If not, press ZERO key to set display to zero.

5.2 Weighing

- a. Always place an object onto the platform gently. Excessive force applied to platform may cause damages to sensor inside.
- b. The weight of the object would be displayed automatically.
- c. It is a good practice to remove all loads from platform after weighing. It would prolong the lifetime of scale.

5.3 Select Weight Unit

Press MODE to shift among kg → decimal → lb/oz.
→ kg weight units. Refer to 4.2.1 for internal
setting procedures.

The weight unit used before power off would
be employed when the scale is turned on again.

5.4 Turn Backlight (Optional) On/Off

Press MODE to shift among various weight units
with backlight or without backlight.

Eventhoughthebacklightfunctionisemployed,
backlightwillbeautomaticallyturnedoffwhen
a zero weight is detected and remains stable
for 5 seconds

Backlightwillbeautomaticallyturnedonagain
when a weight is detected.

5.5 Set Displayed Value to Zero when Unloaded

A positive or negative value can be eliminated
by pressing the ZERO key. After the ZERO key
is pressed, the ZERO indicator would appear.

Refer to **SPECIFICATIONS** for maximum zero range.

5.6 Tare off the Weight of a Container

When a container is used, follow the below steps
to tare off the weight of the container and
get the net weight result.

- a. Remove all loads away from platform.
- b. Make sure that the ZERO indicator is on.
- c. Place the container on the platform.
- d. Press TARE key.

After the TARE key is pressed, the TARE
indicator would appear.

Refer to 5.2 for weighing procedures. Weight
displayed under this tare mode is the net weight
of the object. Refer to **SPECIFICATIONS** for
maximum tare range.

5.7 Clear the TARE Function

Remove all loads from platform then press TARE.
After the TARE key is pressed, the TARE
indicator would disappear.

5.8 Bulky Weighting

The pillar can be extended for bulky weighing. Refer to Appendix Installation diagram for pillar extension.

5.9 Weight Memory Function

- a. To save a weight to memory and auto weight accumulation

When weight display is stable, press M+ to save the weight into memory. Scale displays P. 1 and the M+ indicator appears indicating total number of entry and the memory is containing data.

- b. Recall accumulated weight in memory

Press MR. Scale will display the total number of entry and the total accumulated weight of all entries.

- c. Clear data in memory

Press and hold MR, then press TARE key after the accumulated weight is being displayed. Scale will display P.0 to indicate all data in memory has been erased.

Caution

All data stored in memory will be erased if:

- a. The scale is turned off, or,
- b. The weight unit is changed.

5.10 Recharge the Scale

The scale is equipped with a built-in rechargeable battery. When the LO-BAT indicator appears, recharge the scale immediately. Failure to do so may cause unrecoverable damages to the rechargeable battery.

The scale can remain in operation when being recharged.

Charging is completed when the color of the IN-CHARGE indicator turns green.

Caution:

Insert the rubber cap into the DC inlet of scale except during battery recharging.

6. TROUBLE SHOOTING

Syndrome Scale cannot be turned on

Check: Is the scale charged?

Action: Recharge the scale for at least 8 hours before first time use or plug in the power adaptor before power on the scale.

Check Is the power adaptor inserted properly into both the electricity outlet and the DC inlet of scale.

Action: Secure both ends of the power adaptor and try again.

Syndrome Scale turned off automatically

Check Is the Auto Power Off function employed?

Action Refer to 4.2.2 to disable the Auto Power Off function.

Check Is the LO-BAT indicator on?

Action Apply the power adaptor.

Syndrome Rated capacity cannot be reached

Check Is the TARE indicator on?

Action: Turn the scale off. Remove all loads from platform and turn on again.

Check Is there anything obstructing the platform or pillar?

Action Remove all obstacles.

Syndrome Scale displays 00000

Check Does the load applied to platform excess the rated capacity of scale?

Action Remove all loads from platform and try again.

Syndrome Weighing result is not accurate

Check Is the scale placed in a level condition?

Action Adjust the adjustable feet to a level condition.

Check Is the scale affected by airflow, vibration or RFI?

Action: Place the scale away from all disturbances.

Check Is the scale calibrated correctly?

Action Contact your dealer.
Check Is the correct weight unit employed?
Action Refer to 4.2.1 and 5.3 for weight unit setting and usage.

7. DAILY CARE AND MAINTENANCE

- 7.1 Clean the scale with a soft and damp cloth. If necessary, apply a mild detergent.
- 7.2 Do not use any high-pressure water spray, harsh, abrasive material, acetone, volatile solvent, thinner or alcohol for cleaning.
- 7.3 Verify the accuracy of scale periodically. Re-calibrate the scale if necessary.

Note: In some countries, calibration is restricted to be done by an authorized/qualified agent only. Contact your dealer for more information.
- 7.4 The scale must be placed horizontally during transportation or long time storage.
- 7.5 Store scale in a dry and clean place.

APPENDIX
Installation Diagram

