E715 Weighing&Meal Selection Terminal User Manual

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Declaration

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Document Revision History

No.	Version	Change Status*	Content	Date
1	0.1	A	Initial Version	2026-9-20

*Change Status: A——Added; M——Modified; D——Deleted

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1. Product Introduction

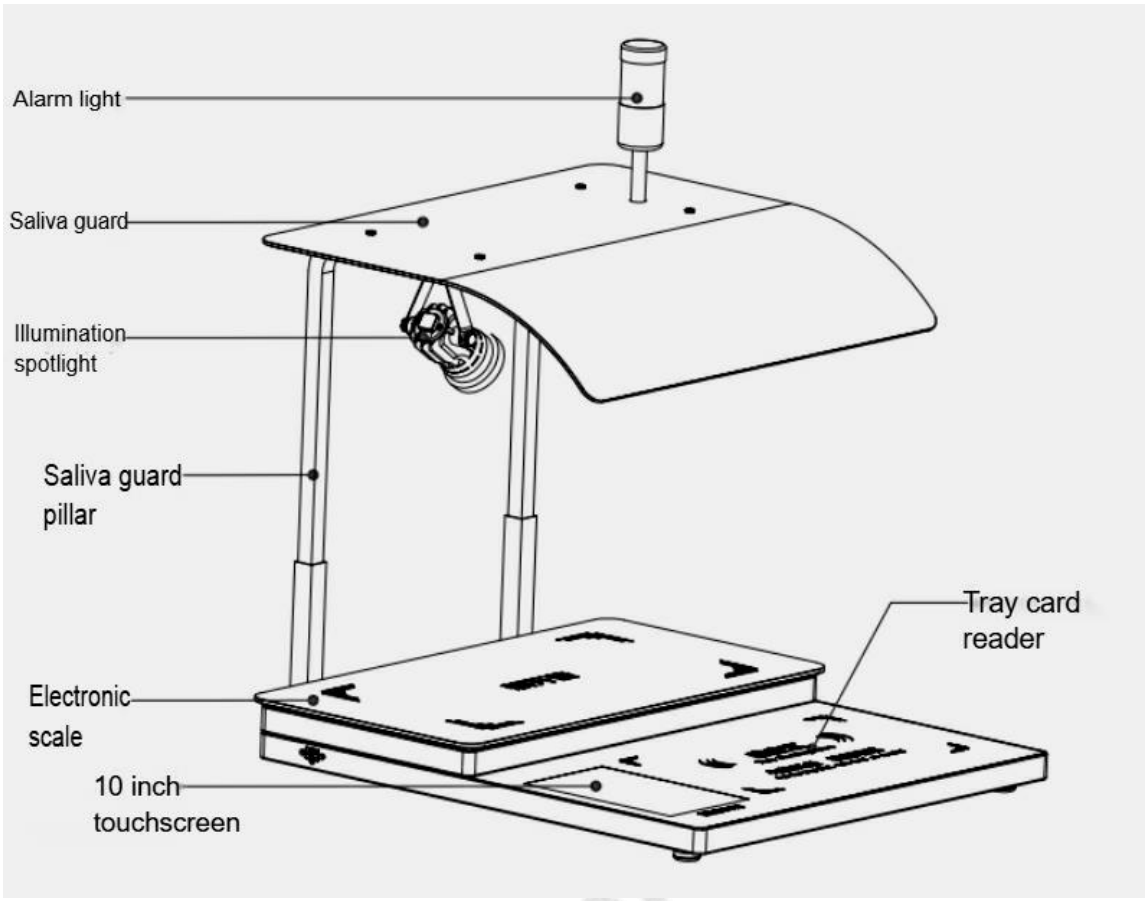
1.1. Purpose and Introduction

The Weighing & Meal Selection Terminal consists of a 10.1-inch display panel, a high-precision weighing scale and a tray-sensing card reader. When paired with the smart catering platform, it supports functions including self- service meal selection, weight-deducted billing and self-checkout. This unit is suitable for canteens in schools, enterprises and public institutions, as well as self-service restaurants.

1.2. Product Appearance

Model: E715100. The product dimensions are shown in Figure 1.





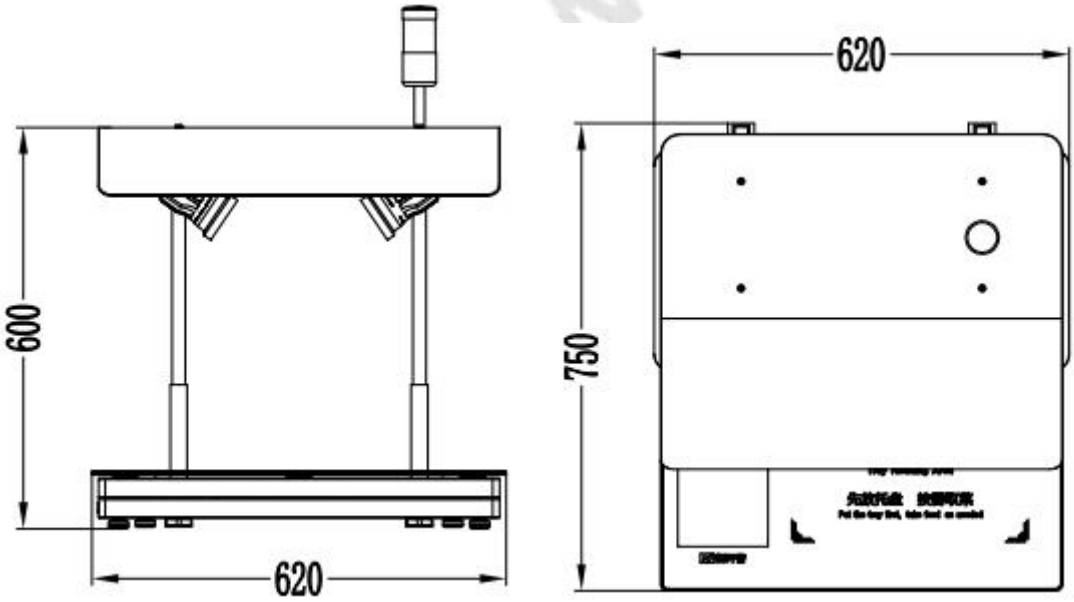


Figure 1: E715100 Integrated Weighing Meal Selection Terminal

Model: E715150. The product dimensions are shown in Figure 2.

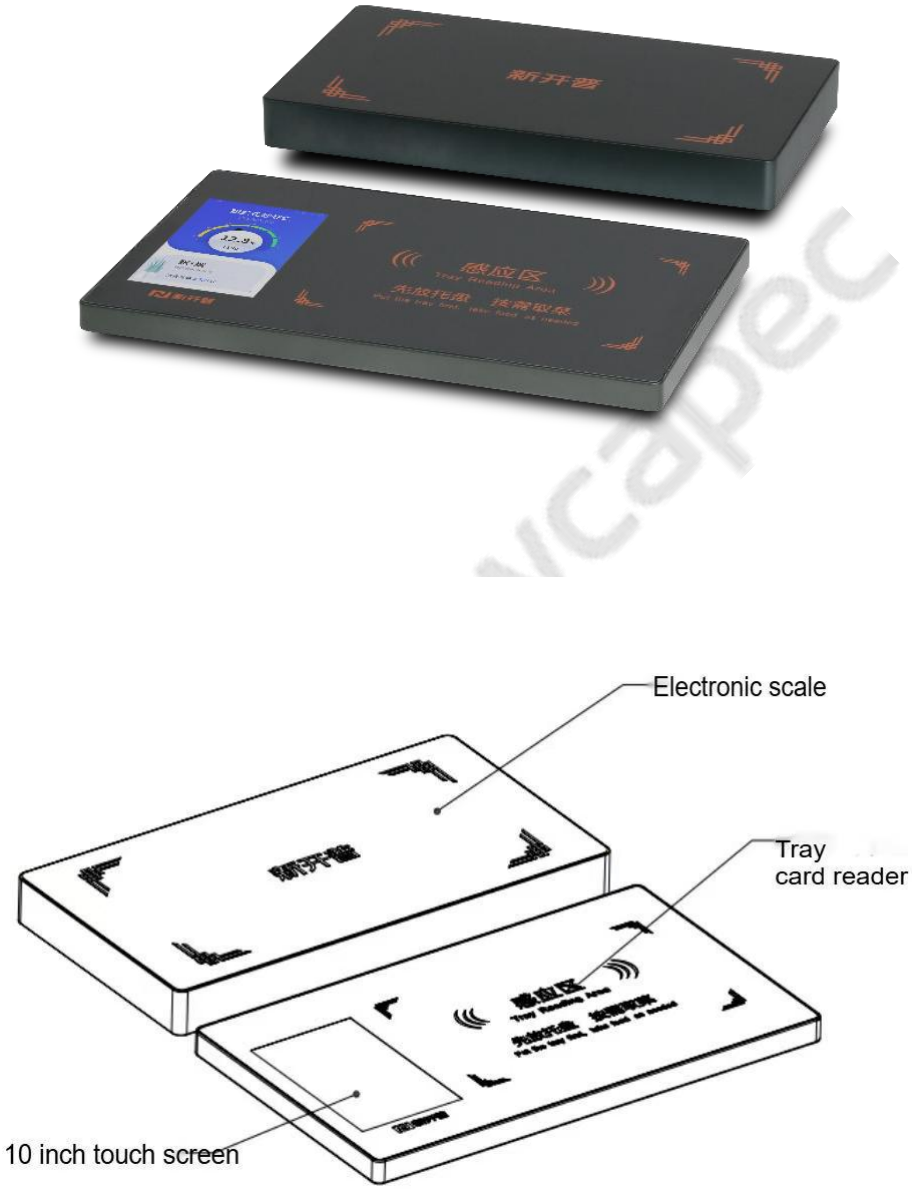


Figure 2: E715150 Split-Type Weighing Meal Selection Terminal

1.3. Product Features

- Supports multiple communication methods, including TCP/IP, Wi-Fi, and Bluetooth.
- Self-Service Settlement: Users complete rapid self-service settlement after selecting dishes, with no queuing required.
- Data Analytics: Orders and revenue can be queried with one click, providing accurate and clear data.
- Batch Dish Management: After dishes are entered on the platform, they can be downloaded to the terminal with one click, eliminating repetitive operations.
- Equipped with RS485, RS232, and USB interfaces, allowing integration with third-party hardware devices.

1.4. Technical Specifications

Specifications	Operating voltage	DC12V
	Processor	Octa-core, 2 GHz
	Memory	2G RAM+16G Flash
	Display	10.1-inch capacitive touch screen; 1280 × 800 resolution
	Communication Interfaces	Ethernet, Wi-Fi, Bluetooth
	Dimensions	Dimensions: 620 × 700 mm, height adjustable between 600 and 700 mm
	Maximum weighing capacity	30Kg
Saliva guard	Alarm lamp	12 V, red
	Spotlight	12 V, white
	Dimensions	height adjustable between 600 and 700 mm
Environmental Specifications	Operating temperature	-10°C~50°C
	Operating humidity	90 % (non-condensing)
Performance Specifications	Operating voltage	DC12V
	Processor	Octa-core, 2 GHz

2. Installation Instructions

2.1. Package Contents

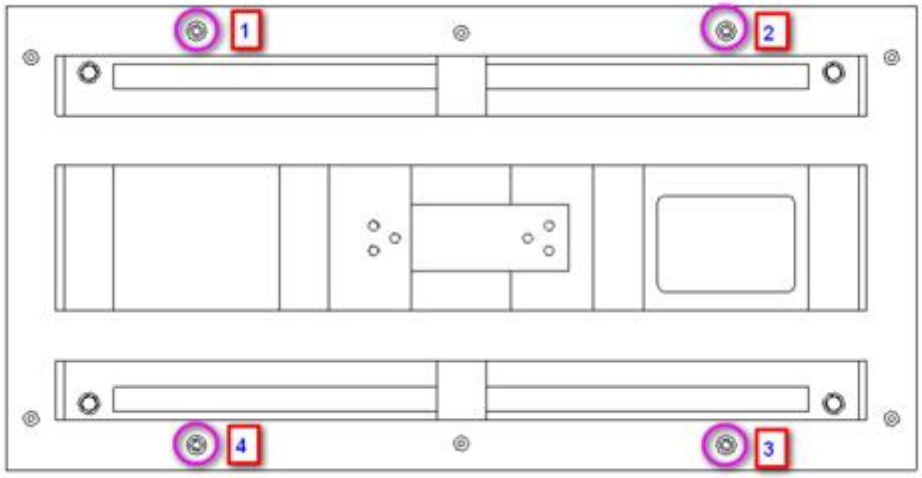
Accessory Name	Unit	Quantity
Weighing Meal Selection Terminal	Set	1

2.2. Installation Steps

First, plan the installation position of the unit and the cable routing according to the on-site environment and user habits, then follow the steps below for installation.

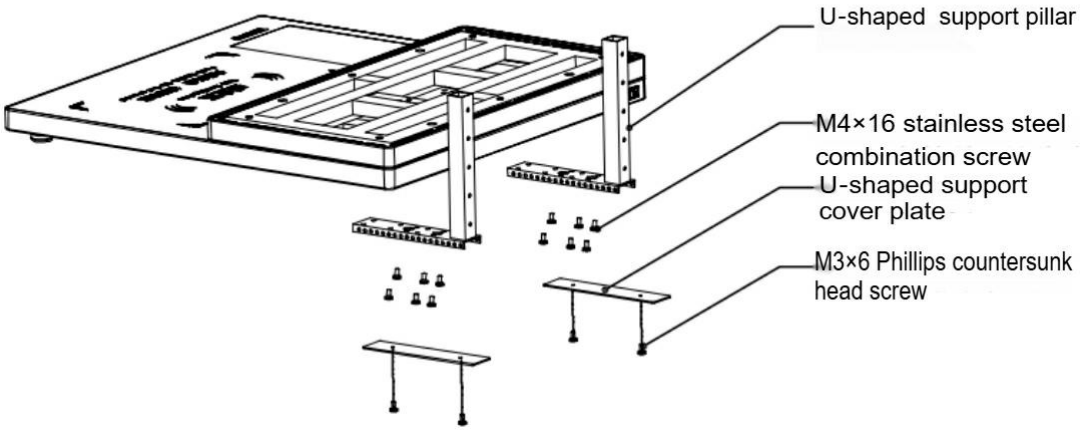
Scale body installation (illustrated by Model E715100).The installation of the scale body consists of the following steps.

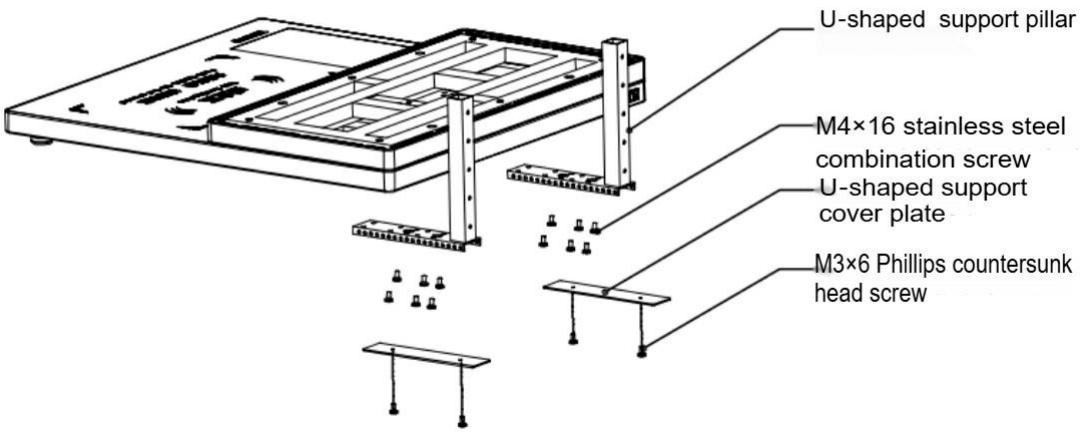
1) Placing the scale body: Set the scale body on a rigid, flat surface, then loosen the four screws used for transportation protection.Refer to the screws at the four positions shown in the figure. Ensure that the four screws on the upper bracket do not come into contact with the lower bracket. Remove any rubber protective shims if present.



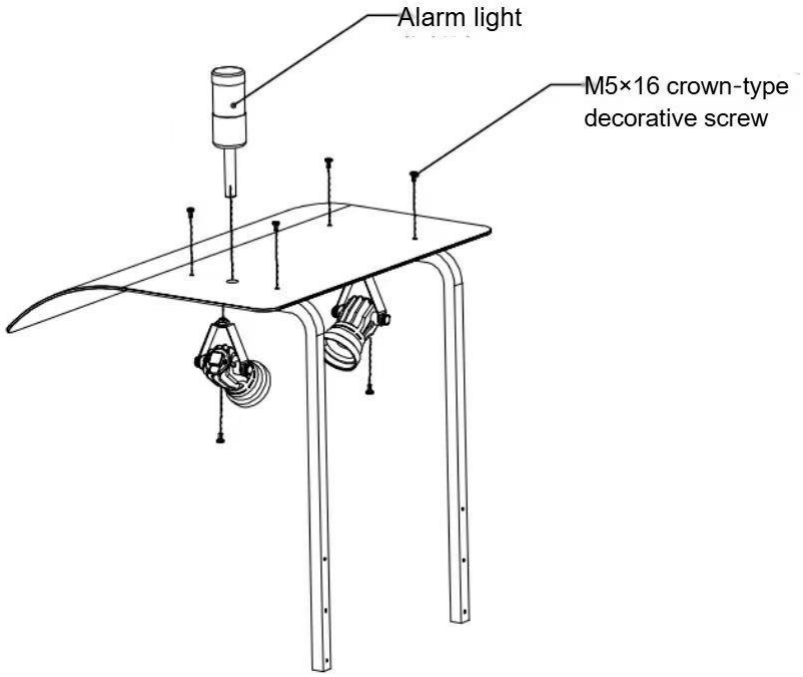
2) Installation of the saliva guard accessory (this step may be omitted if no saliva guard is supplied):

2.a) Installation of the U-shaped base bracket:

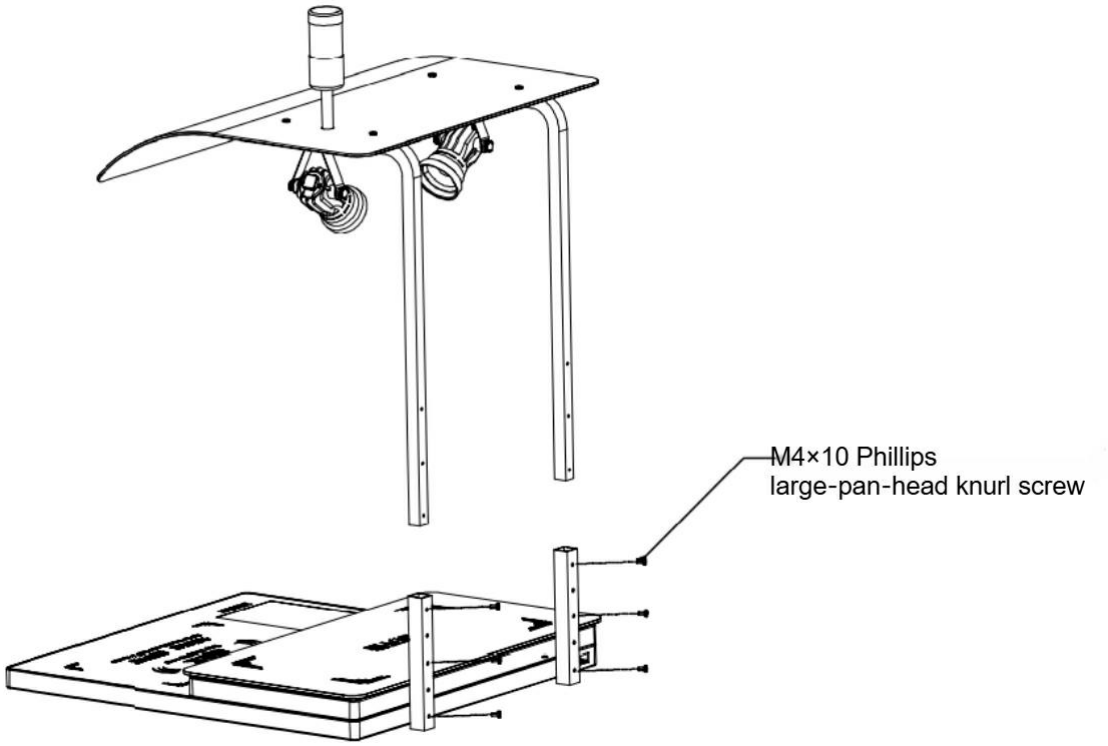


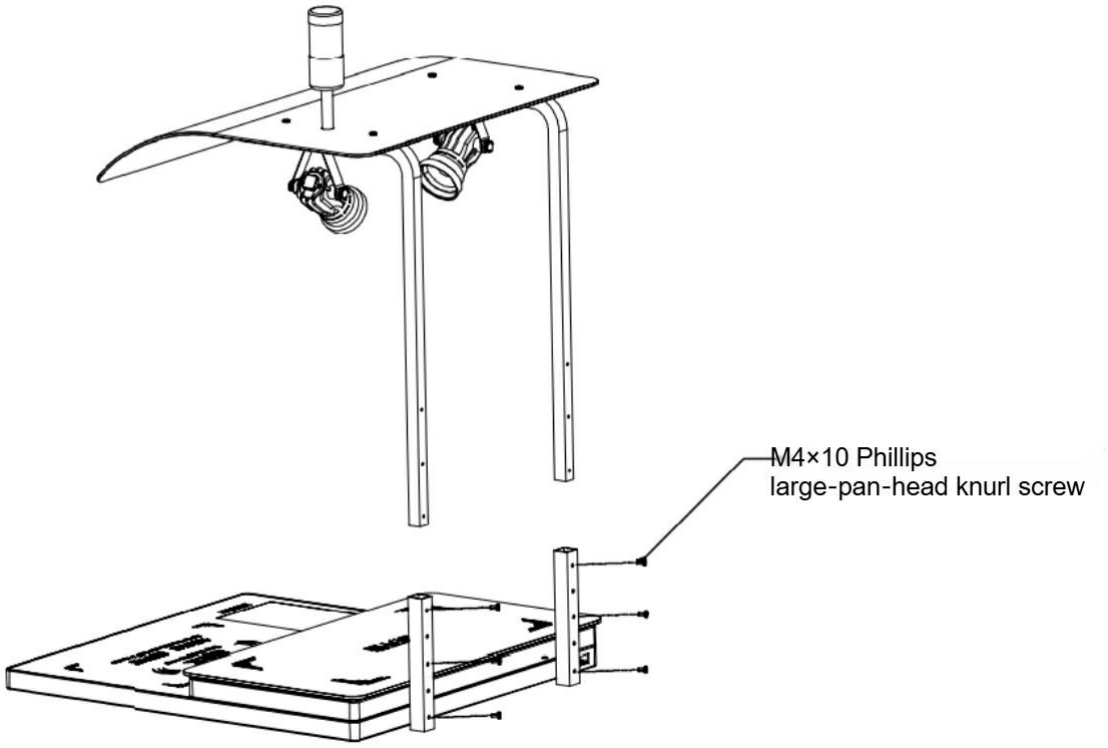


2.b) Installation of the saliva guard and alarm lamp



2.c) Assemble the saliva guard

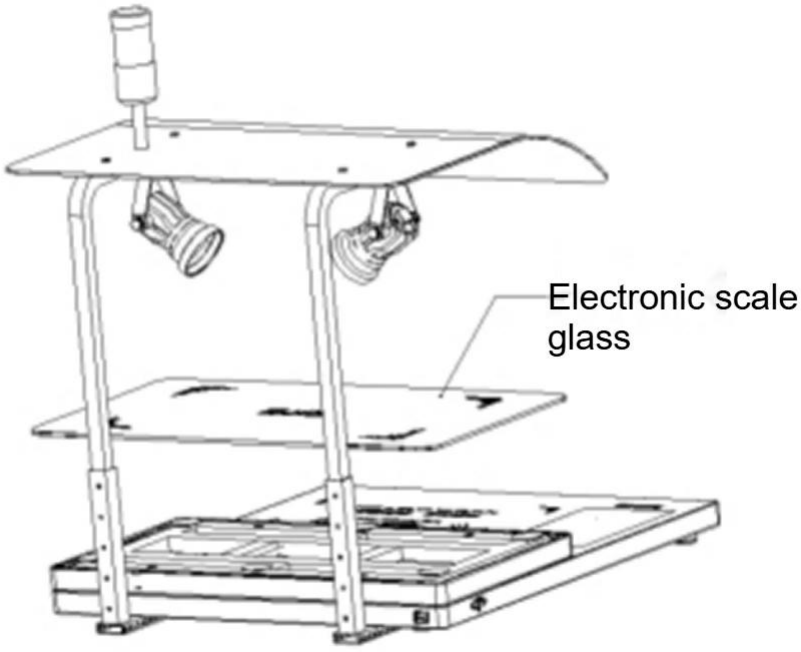




3) Leveling the scale body (After placing the scale body on a flat surface, level it by referencing the four measurement points shown in the figure below)



4) Glass plate installation for the scale: As shown in the figure below, place the scale glass onto the frame and secure it firmly using a suction cup.



5) Wiring connection:

After connecting the power harnesses of the alarm lamp and spotlight accordingly, fasten the harnesses to the bottom of the lower scale- frame bracket with cable ties. Ensure that none of the wires come into contact with the upper scale- body

bracket or the weighing pan.

6) Wiring management:

Once all connections are complete, fasten the harnesses to the bottom of the lower scale-frame bracket using cable ties. Take care that none of the harnesses come into contact with the upper scale-body bracket or the weighing pan.

7) Weighing-pan installation:

Notes:

a. Ensure that cables are connected to the correct interfaces.
b. Verify that the four corners of the scale body rest evenly and there is no wobble.
c. Check that the scale- body protection nuts have been loosened.
d. Do not move the unit casually once leveling is completed.
e. Inspect the surroundings of the weighing pan to make sure it does not touch any other objects.
f. Run the test program to confirm that both the scale body and card reader operate properly.

3. Operation Instructions

The Weighing Meal Selection Terminal works in conjunction with a tray-binding device. Before meal collection, users shall take a tray at the entrance, place it on the sensing area of the tray-binding device's card reader, and bind the tray to their account information via the device.

User meal-collection procedure:

1) Place the information-bound tray on the sensing area of the tray card reader on the Weighing Meal Selection Terminal;
2) Serve food by weight from the food bowl on the weighing platform of the terminal;
3) Put back the serving tongs and check the selected dish and weight information;
4) Remove the tray to select the next dish, and repeat until finished;
5) Enjoy your meal with contactless payment settlement; consumption details will be pushed to the user.

4. Precautions / Daily Maintenance

1) Before connecting the power adapter to the terminal, confirm that the adapter model is appropriate;
2) Keep the scale body placed on a level surface at all times;
3) Keep the surface clean as far as possible during operation;
4) Ensure no foreign objects come into contact with the weighing pan or scale body;
5) Never insert any foreign object into any port of the device, as this may cause serious damage;
6) Do not alter the connections between terminal components. If necessary, contact qualified after-sales personnel;
7) Do not damage the power cord. If the cord becomes damaged, replace it immediately with a new one.

5. Troubleshooting

1) Inaccurate weight readings for dishes
   a. Check whether the scale body is placed horizontally.
   b. Check if the weighing pan or scale frame touches any other objects.
   c. Contact after-sales service to calibrate the scale.
2) Tray not recognized
   a. Verify whether the tray card reader is functioning properly.
   b. The tray chip may be defective; please contact after-sales service