ANYLOAD®

AN204

Digital Weight Indicator

1-855-269-5623
www.anyload.com

V1.0.0

TECHNICAL MANUAL

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Revision History:

Record with brief description of all revisions made to product or manual

Version	Date	Description
1.0.0	December 10, 2025	First public release version.

Table of Contents

1. Introduction

This instrument is an advanced electronic weighing device developed with fully independent intellectual property rights. It supports a wide range of strain-gauge load cells and provides accurate, reliable weight data through multiple filtering algorithms. The instrument is primarily used in standard industrial weighing applications, especially platform scales.

1.1 Safety

READ this manual BEFORE operating or servicing this equipment or systems with this equipment incorporated.

FOLLOW these instructions carefully.

DO NOT allow untrained personnel to operate, clean, inspect, maintain, service, or modify this equipment.

SAVE and distribute this manual for future reference.

Failure to follow the instructions or heed the warnings could result in injury or death. Contact any ANYLOAD dealer or distributor for replacement manuals.

Indicative Markings:

Symbol	Significance
⚠ WARNING ⚠	Warns of a potentially dangerous situation which can result in serious physical injury or death
⚠ CAUTION	Warns of a potentially dangerous situation which can result in slight or moderate physical injury
Notice	Failure to comply to information with this marking may lead to damage to property
⚑ Important	Important information about the product
ⓘ Tip	Application tips and other information that may be helpful
For emphasis (Italics)	Italics are used to emphasize key information

General Safety:

⚠ WARNING ⚠

ONLY qualified professionals approved should carry out intrinsically safe installations. This work involves extensive knowledge of the product, specific safety standards, and the potentially hazardous environment in which it will

- Do not allow minors or inexperienced individuals to operate this unit.
- Ensure the unit is fully assembled before operation.
- Keep hands and fingers away from slots, openings, or any potential pinch points.
- Do not use this product if any component appears cracked or damaged.
- Avoid making alterations or modifications to the unit.
- Do not remove or obscure any warning labels.
- Do not submerge the unit in water.
- Before opening the unit, ensure the power cord is disconnected from the power source. Disconnect all power sources before servicing, as multiple power sources may be present. Failure to do so may result in property damage, personal injury, or death.
- For permanently connected equipment, incorporate a readily accessible disconnect device in the building's installation wiring.
- Pluggable units must be installed near an easily accessible socket/outlet.
- Use only copper or copper-clad aluminum conductors when wiring.

Recommendations for Proper Use:

- Keep the instrument away from heat sources and direct sunlight.
- Protect the instrument from rain unless it is a special IP-rated version.
- Do not clean with water jets unless specified for IP-rated models.
- Avoid dipping the instrument in water or spilling liquids on it.
- Use a soft, dry cloth for cleaning; do not use solvents or abrasive materials.
- Do not install the unit in areas with explosion hazards unless with specially rated models.
- If the working environment reaches the unit’s temperature limits, ensure proper airflow around the instrument to prevent malfunctions such as sudden shutdowns or disconnections.

Disposal Guidelines:

Product Disposal: Dispose of this product at designated recycling facilities in accordance with local regulations. If the equipment is transferred to another party (for personal or commercial use), please also comply with the relevant provisions. Thank you for your contributions to environmental protection.

Battery Disposal: Dispose of batteries at designated centers as per local laws. Batteries may contain harmful substances (e.g., Cd, Li, Hg, Pb) and must not be discarded with household waste. Improper disposal may result in legal penalties.

2. Display & Keys

2.1 Keys

Segment LCD Display, Dimensions: 132mm × 67mm

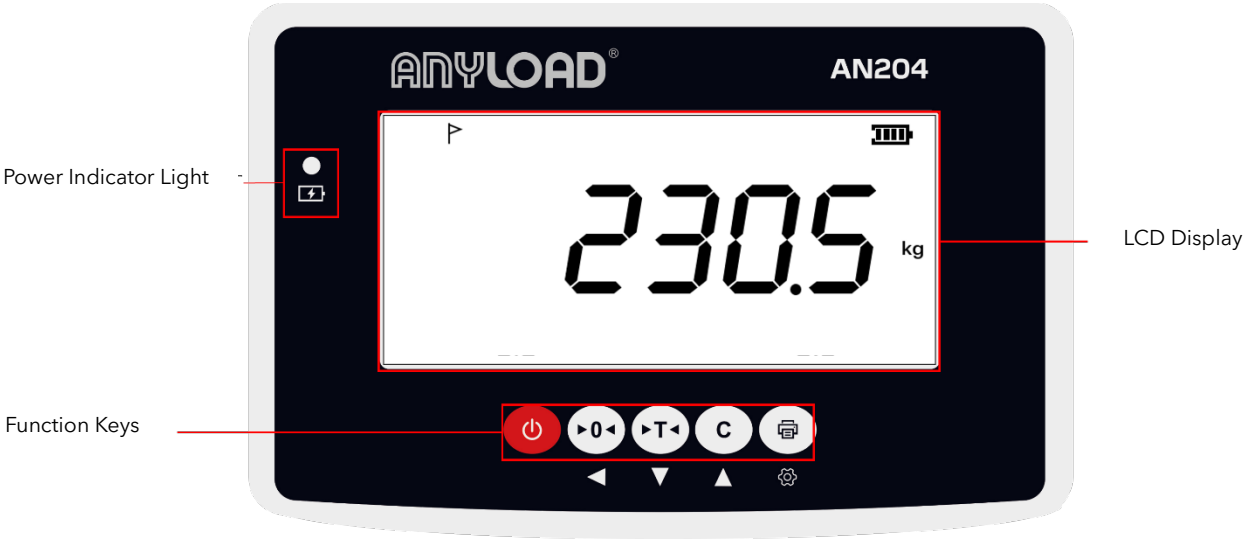


Figure 1-1 Instrument Keyboard Panel

2.2 Display Appearance

When the instrument is on the main interface, it can display partial information about the instrument.

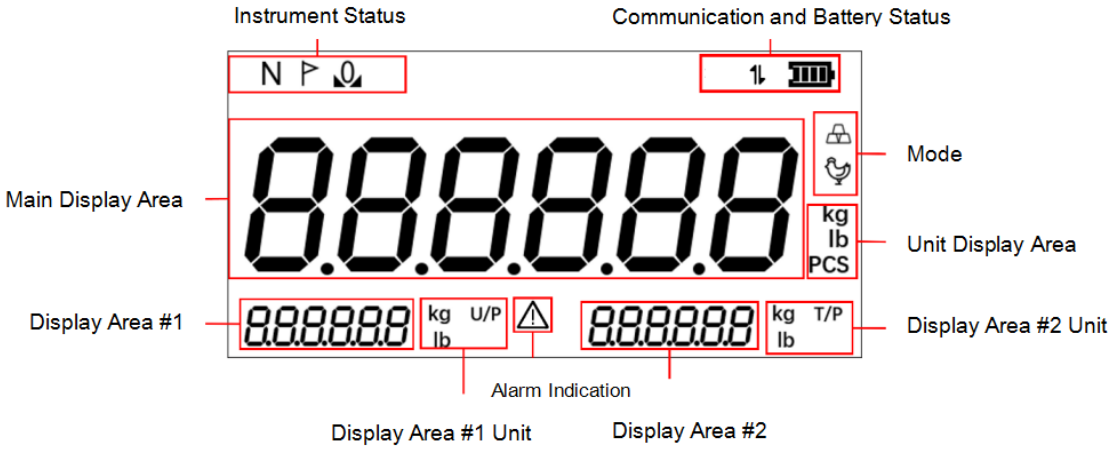


Figure 1-2 Main Interface Display Content

2.3 Display Status Symbols

Status Symbols	Description
N	Tare Applied
⚑	Stable Weight State
0	Zero State
	Counting Weighing Application Mode
	Livestock Weighing Application Mode
⇅	The instrument currently has signal input/output
⚠	Instrument Fault

Table 2-1 Description of Instrument Status Symbols

2.4 Key Function Introduction

2.4.1 Function Keys

Function Key	Description
→0←	To reset the current gross weight to zero, the following conditions must be met: - The weight value is stable, less than the set weight, and the instrument is on the main interface.
	To switch the weighing mode between Standard/Counting/ Livestock, the following conditions must be met: - Press and hold for 5 seconds while the instrument is on the main interface.
	Return to the Previous Interface
Function Key	**Description**
→T←	To store the current gross weight as the tare weight, the main display will show the net weight. The following conditions must be met: - The weight value is stable and the instrument is on the main interface.
	To access the Upper/Lower Limit / Auto Accumulation settings interface, the following conditions must be met: - Press and hold for 3 seconds while the instrument is in the main interface - The instrument is currently in the Upper/Lower Limit Alarm / Accumulated Weighing mode
	To access the piece weight calculation interface, the following conditions must be met: - Press and hold for 3 seconds while the instrument is on the main interface. - The instrument is currently in Counting Weighing mode. - Available only for instruments with counting scale functionality.
C	To access the auxiliary function settings interface, the following conditions must be met: - The instrument is currently in the main interface. - The instrument is currently in the standard weighing mode.
	To start weight collection, the following conditions must be met: - Press and hold for 3 seconds while the instrument is in the main interface. - The instrument is currently in the livestock weighing mode.
	Reset the instrument's tare weight to 0; at this point, the weight in the main display area will switch to the gross weight. The following condition must be met: - The instrument is currently in the main interface.

	To end the current accumulated weighing and reset both the accumulated weight and accumulated count to zero, the following condition must be met: - Press and hold for 3 seconds while the instrument is in the accumulated weighing interface
	For the instrument's power key, the following requirement must be met: - Press and hold the key to power the instrument on or off.
	Confirmation Button
	To access the instrument's main menu, the following condition must be met: - Press and hold for 3 seconds after the instrument has been powered on for 5 seconds
	To access the instrument's advanced menu, the following condition must be met: - Press and hold for 3 seconds within 5 seconds of the instrument being powered on.
	To send data to the printer for printing, the following conditions must be met: - The instrument is in the main interface. - A printer has been connected.
	To include the current weighing result in the accumulation, the following condition must be met: - The instrument is currently in the accumulated weighing interface.
	To enable/disable parameter modification, the following condition must be met: - The instrument is currently in the parameter setting interface.

Table 2-2 Introduction to Function Keys

2.4.2 Navigation Keys

Navigation Keys	Description
→0←	The editable digit in the current parameter box can be shifted left, subject to the following condition: - Parameter writing is enabled (flashing).
→T←	The parameters can be selected downward through the setting operation, subject to the following condition: - Parameter writing is disabled.
	The editable digit in the current parameter box can be decremented by 1 (range: 0~9), subject to the following condition: - Parameter writing is enabled (flashing).
C	Parameters can be selected upward through configuration, subject to the following condition: - Parameter writing is disabled.
	The editable digit in the current parameter box can be incremented by 1 (range: 0~9), subject to the following condition: - Parameter writing is enabled (flashing).

Table 2-3 Introduction to Navigation Keys

3. Installation

3.1 Instrument Wiring

3.1.1 Connector Position Overview

The corresponding positions of each sealed connector on the instrument are shown in Figure 3-1:

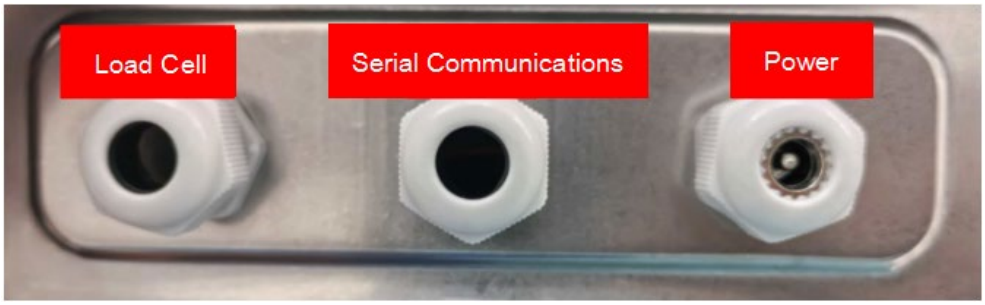


Figure 3-1 Instrument Connector Wiring Correspondence Diagram

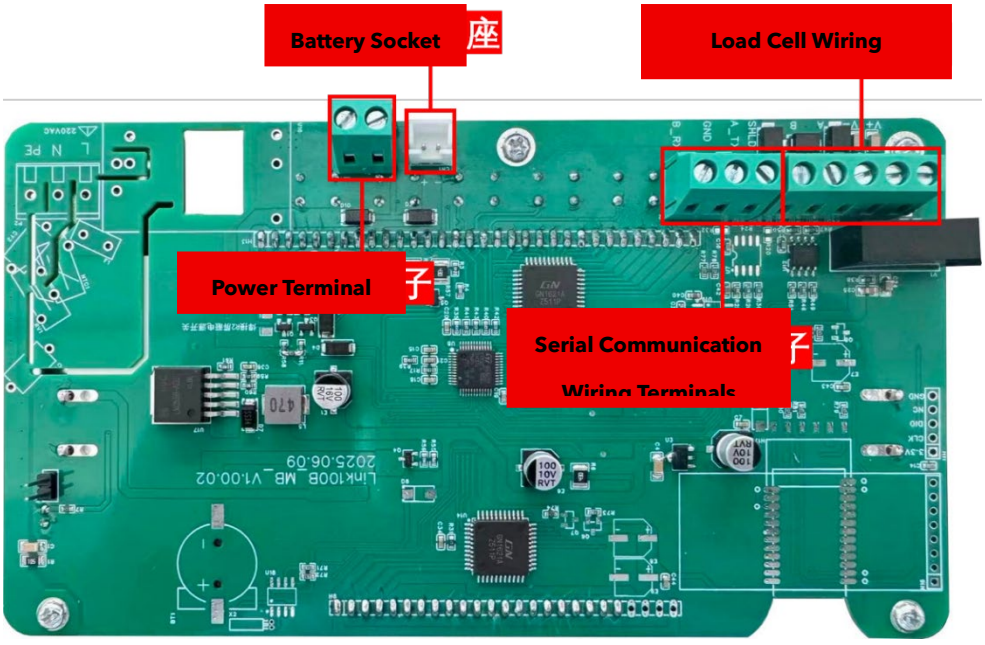
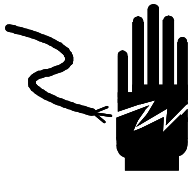


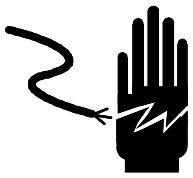
Figure 3-2 Locations of Internal Interfaces on the Instrument

3.1.2 Power Connection



WARNING

Please disconnect the power supply, wait for 30 seconds, and then connect or disconnect the wiring harness again.



CAUTION

This equipment is electrostatically sensitive. Please take anti-static measures during operation.

3.1.3 Power Connector Wiring

In the power connector, the terminal marked "+" indicates the positive pole, and the one marked "-" indicates the negative pole. Please read the following information before connecting:

(1) Grounding must be performed in accordance with local electrical codes;

(2) This instrument shall not share a power cord with noise-generating equipment.

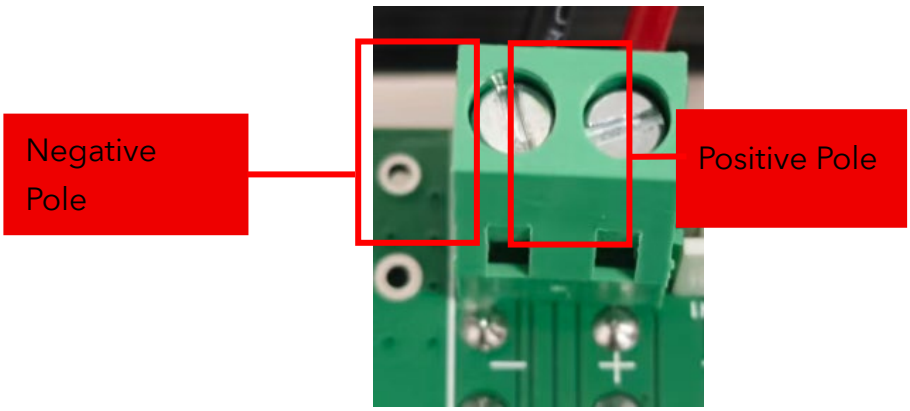


Figure 3-3 Power Connector Diagram

3.1.4 Load Cell Connection

The sensor connection adopts a 4-wire configuration. Please connect the sensor wires to the corresponding terminals according to the markings on the terminals; the specific markings are shown in Figure 3-4.

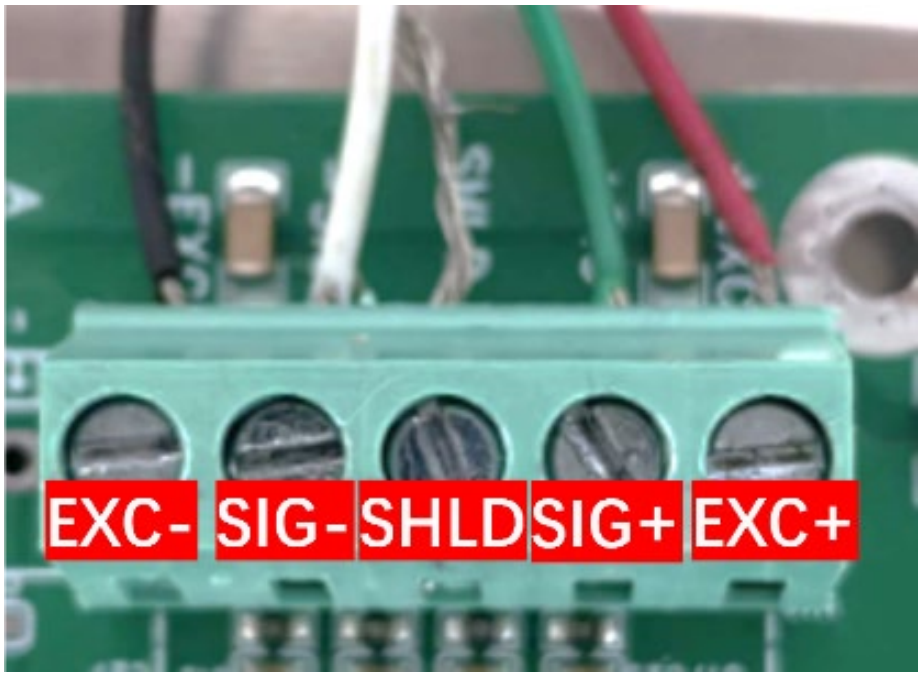


Figure 3-4 Load Cell Wiring Schematic

4. Functions

This section will introduce the basic functions of the instrument.

4.1 Zero

The current zeroing modes of the instrument are divided into the following types:

- Zero Tracking
- Key Zeroing
- Power-On Zeroing

4.1.1 Zero Tracking

Zero Tracking allows the instrument to compensate for small cumulative weight deviations and automatically return to the zero center. It can be set to a range of 0~9d. When the weight is less than the set Zero Tracking range and the instrument is in a stable state, Zero Tracking will fine-tune the current zero reading to the true zero center.

This function is disabled when the weight exceeds the Zero Tracking range or the range is set to 0.

4.1.2 Key Zeroing

The Key Zeroing range can be set to 0~2. When the weight is less than the set value (full scale × set value × 100%) and the instrument is in a stable state, Key Zeroing can be achieved by pressing the "Zero" key.
This function is disabled when the weight exceeds the set value or the Key Zeroing range is set to 0.

4.1.3 Power-On Zeroing

The Power-On Zeroing range can be set to 0~10. When the instrument is powered on, it will perform a zeroing operation on the weight. If the weight after startup is less than the set value (full scale × set value × 100%), the weight will be zeroed out.
This function is disabled when the weight exceeds the set value or the Power-On Zeroing range is set to 0.

4.2 Tare

Tare weight refers to the weight of an empty container. Net weight is calculated by subtracting tare weight from gross weight. Press the "Tare" key on the main interface to store the gross weight as tare weight. At this point, the weight displayed in the "Main Display Area" will switch to net weight. If the display switch is enabled, "Display Area #1" will show the tare weight, while "Display Area #2" will show the gross weight. When the lower display is disabled, neither the tare weight nor the gross weight will be displayed.

4.3 Clear Tare

Clear Tare means resetting the tare weight stored in the instrument to 0. On the main interface, the user can press the "Clear Tare" key to reset the currently stored tare weight to 0. At this point, the weight displayed in the "Main Display Area" will switch to gross weight. If the display switch is enabled, "Display Area #1" will show 0, while "Display Area #2" will simultaneously display the gross weight.

4.4 Print

When the instrument is connected to a printer and a printer protocol is selected, the print function will be enabled. When the user presses the "Print" key on the main interface, the instrument will send a print command to the printer via the serial port to print the current data.

4.5 Parameter Menu

Press and hold the "Print" key for 3 seconds to enter the Parameter Menu. Within the Parameter Menu, the user can press the "Tare" and "Clear Tare" keys to scroll up/down and select the parameter to be set, and press the "Print" key to enable/disable the setting of the selected parameter. After completing the settings, the user can press the "Zero" key to return to the main interface.

Figure 4-1 Parameter Menu

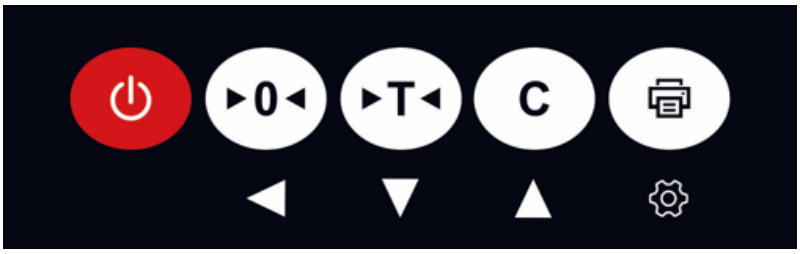


Figure 4-2 Instrument Panel Navigation Keys

4.6 Advanced Menu

After the instrument is powered on, press and hold the "Print" key for 3 seconds immediately to enter the Advanced Menu. The Advanced Menu includes special parameters such as filtering and password settings. Within the Advanced Menu, the user can press the "Tare" and "Clear Tare" keys to scroll up/down and select the parameter to be set, and press the "Print" key to enable/disable the setting of the selected parameter.

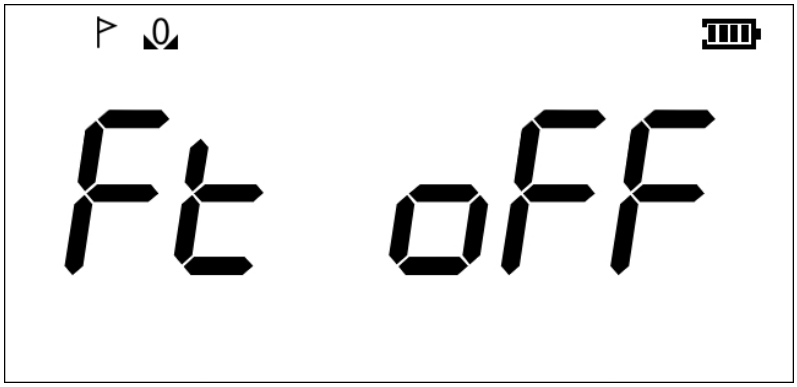


Figure 4-3 Advanced Menu

4.7 Weighing Auxiliary Mode

In the standard weighing mode, when the user presses and holds the "Tare Clear" key for 3 seconds on the main interface, the instrument will enter the auxiliary function settings interface.The user can select the required auxiliary mode here, which includes three types: Standard Weighing, Upper/Lower Limit Alarm, and Accumulated Weighing.

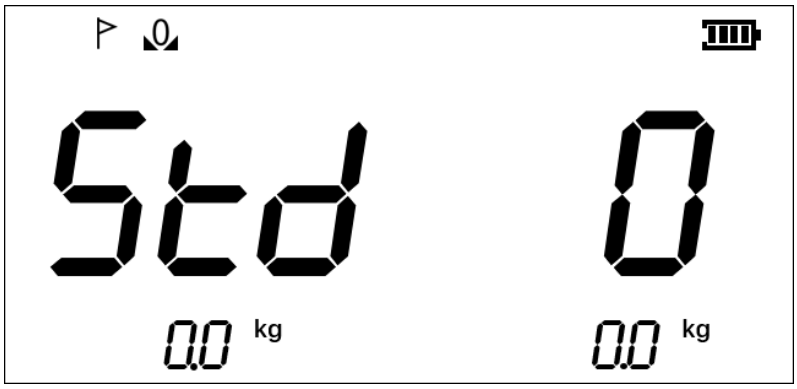


Figure 4-4 Auxiliary Function Settings Interface

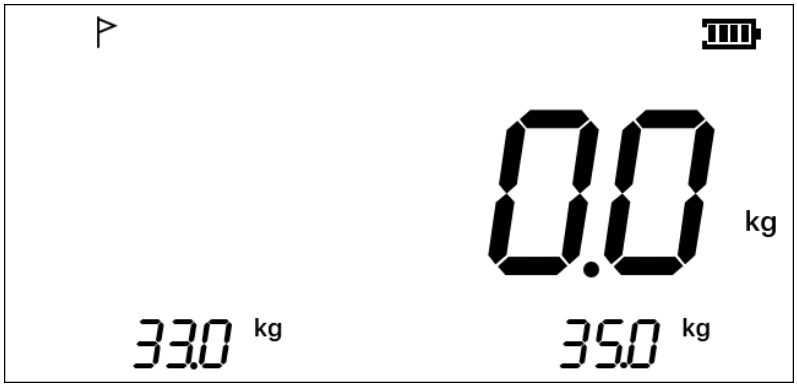


Figure 4-5 Upper/Lower Limit Alarm Function

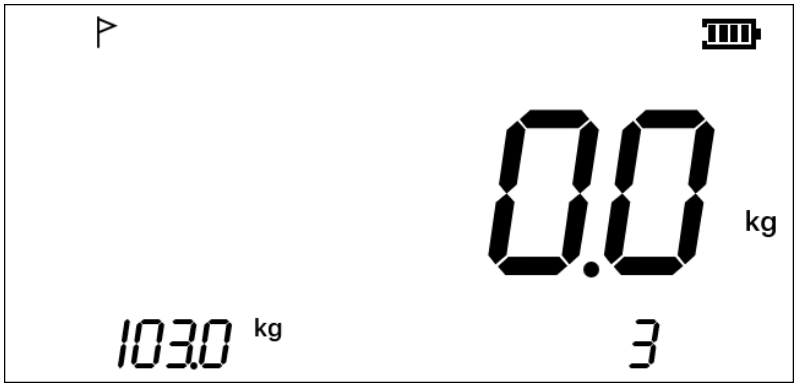


Figure 4-6 Accumulated Weighing Function

4.8 Unit Weight Calculation

In Counting Weighing Mode, press and hold the "Tare" key for 3 seconds on the main interface to enter the Unit Weight Calculation interface. The user can calculate the unit weight of a single item in this interface. If the display switch is enabled, "Display Area #1" will show the unit weight.

Figure 4-7 Unit Weight Calculation Interface

4.9 Calibration Switch

The pin located on the left side of the instrument's main board is the Calibration Switch. After calibration is completed, insert the wire cap into the pin to disable the Calibration Switch.When the calibration switch is turned off, neither the advanced menu nor the settings menu can be accessed.

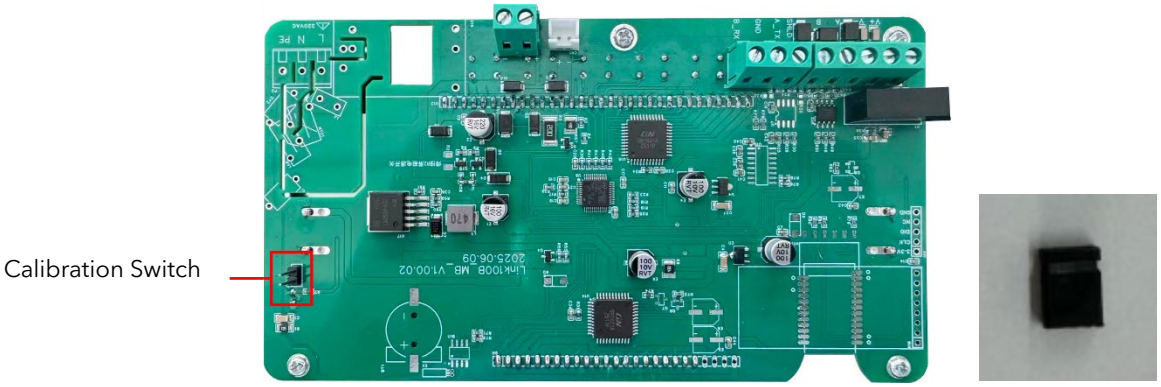


Figure 4-8 Calibration Switch Location + Wire Cap

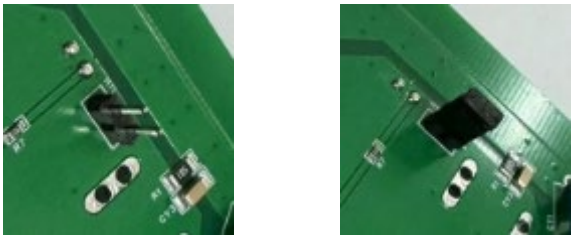


Figure 4-9 Calibration Switch - Enabled (Left) and Disabled (Right) States

5. Calibration

5.1 Steps:

(1) First, complete the load cell wiring according to the meter's wiring diagram.

(2) After powering on the instrument for 5 seconds, confirm that no alarms are present. If an alarm appears, check whether the connection between the instrument and the junction box is correct.

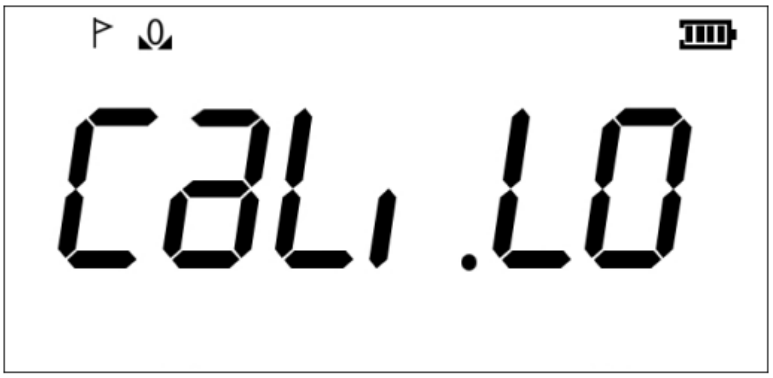
(3) Long press the button for 3 seconds to enter the Settings menu;

(4) Select the range of the meter and the Division value and set; (Press the button to open the parameter setting, press the →0← button to move the cursor, press the →T← and C keys to add or decrease 1, and press the button to save the corresponding changes after the setting is completed)

Weighing range setting

Division value setting

(5) After confirming that the scale is empty, select zero calibration by using the arrow keys and press the key.

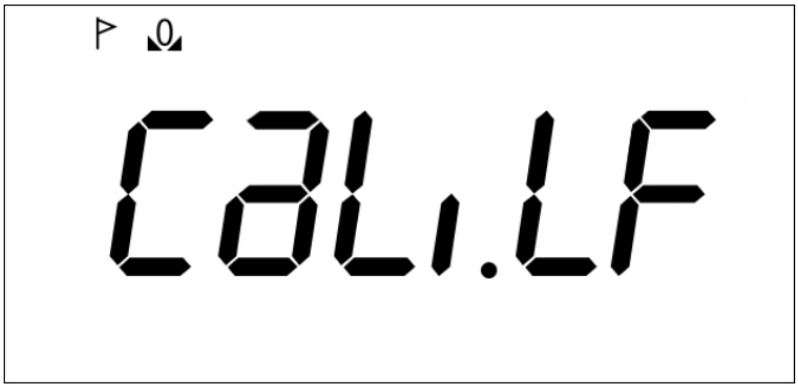


Zero calibration option

(6) Zero calibration will complete after the countdown.

(7) Wait for the instrument to automatically return to the main menu.

(8) Select Range Calibration using the arrow keys.



(9) Press the button two times in a row;

(10) Do not operate any keys after entering the calibration weight (Setting method:Press the key to open the parameter setting, press the →0← key to move the cursor, press the →T← and C keys to add 1 or decrease 1, do not operate any keys after the setting is completed);

(11) Put the corresponding weight on the scale platform, and then press the key;

(12) The range calibration is completed after the countdown;

(13) Press →0← to return to the main screen.

6. Setting

This section describes the types of each parameter in the Settings Menu; the names of the parameters are as follows:

Parameter Name	Parameter Description	Range
F	Measuring Range	1~50000
d	Division Value	--
L	Calibration Weight	0~50000
CALi.LO	Zero Calibration	--
CALi.LF	Span Calibration	--

Table 6-1 Parameter Introduction - Parameter Menu

Parameter Name	Parameter Description	Range
Ft	Filter Function	--
Zro	Zero Tracking Range	0~9
Unt	Unit	kg, g, lb
bd	Baud Rate	1.2, 2.4, 9.6, 19.2
Pro	Serial Protocol	nd, nt, Hu, PF
Id	Slave ID	1~255
Pnr	Power-On Zeroing Range	0~10
M2o	Manual Zeroing Range	0~2
dSP	Lower Display Switch	0~1
18.40.39	HH/MM/SS	0~59
24. 1 1.20	YYYY/MM/DD	1~31

Table 6-2 Parameter Introduction - Advanced Application Interface

Parameter Name	Parameter Description	Range
n	Count Settings	0~9999

Table 6-3 Piece Count Setting (Available Only for Counting Weighing)

Parameter Name	Parameter Description	Range
Std	Auxiliary Function Settings	0~2

Table 6-4 Auxiliary Function Settings (Available Only for Standard Weighing)

Parameter Name	Parameter Description	Range
H	Upper limit value	0~50000
L	Lower limit value	0~50000

Table 6-5 Upper/Lower Limit Settings (Available Only for Upper/Lower Limit Alarm)

Parameter Name	Parameter Description	Range
Mod	Automatic Accumulation Settings	0~1

Table 6-6 Automatic Accumulation Settings (Available Only for Accumulated Weighing)

6.1 Functions

6.1.1 Filter Function

You can select whether to enable the filter function in the advanced application menu. When the filter function is enabled, the instrument's stability will improve, but the data accuracy will decrease. Therefore, do not enable it unless interference at the current site causes constant data fluctuations. The default setting is disabled.

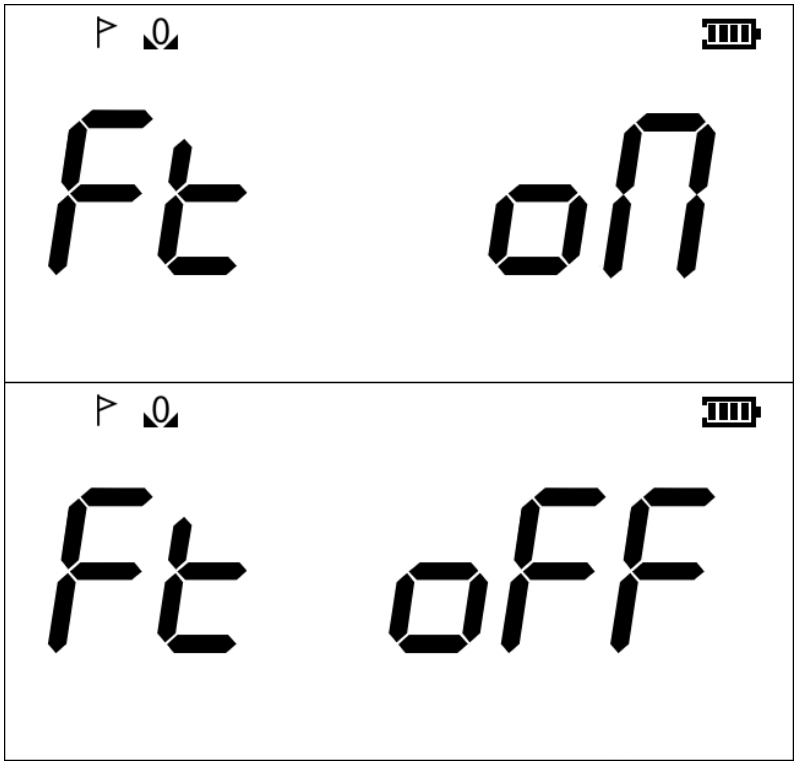


Figure 6-5 Filter Enable/Disable Status

6.1.2 Zero Tracking Range

The instrument's zero tracking range can be set in the advanced application menu. When the instrument weight is less than this range and the instrument is stable, the instrument will perform zero tracking. When the zero tracking range is set to 0, the zero tracking function is disabled.

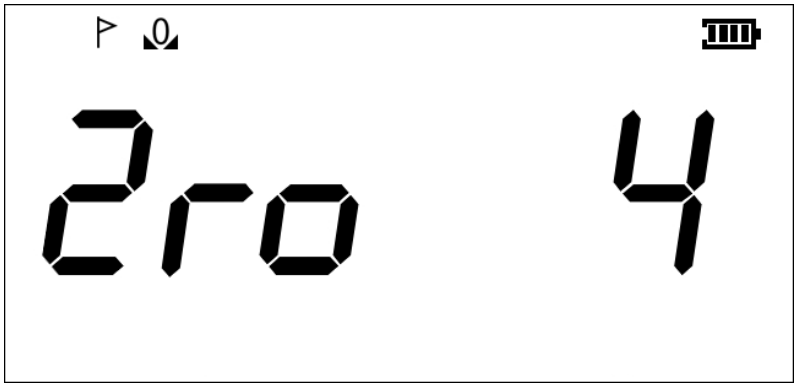


Figure 6-6 Zero Tracking Range

6.1.3 Power-on Zero Range and Manual Zero Range

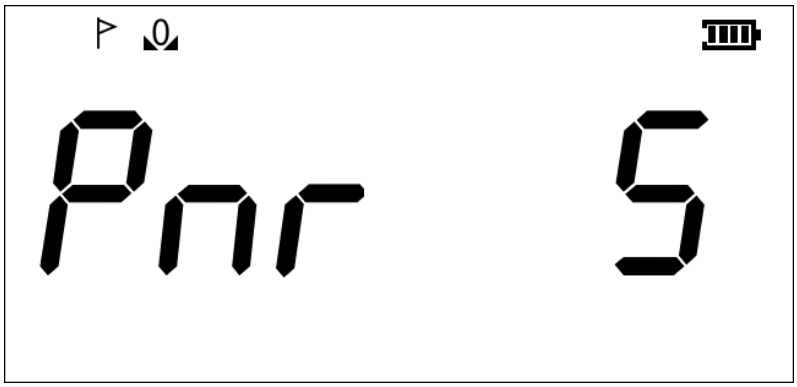


Figure 6-7 Power-on Zero Range

Figure 6-8 Manual Zero Range

Power-on Zero Range: The range can be manually set by the user, with an adjustable range of 0~10.

Manual Zero Range: The range can be manually set by the user, with an adjustable range of 0~2.

6.1.4 Display Switch

Figure 6-9 Display Switch Options

Figure 6-10 Display Switch Enabled

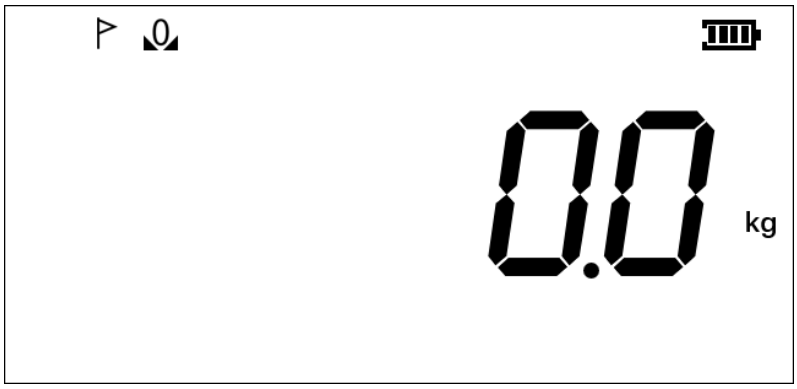


Figure 6-11 Display Switch Disabled

Display Switch: When the Display Switch is enabled, the instrument's display will show the weights of Zone #1 and Zone #2 below; otherwise, no weights will be displayed. Here, "0" indicates disabled, and "1" indicates enabled.

6.1.5 Baud Rate

In the Advanced Application Menu, you can configure the instrument's baud rate. The instrument will communicate with external devices via the RS232 interface based on the set baud rate, where the baud rate value is calculated as the current digit multiplied by 1000 (e.g., 2.4 corresponds to 2.4 x 1000 = 2400). The data format is fixed at 8-N-1.

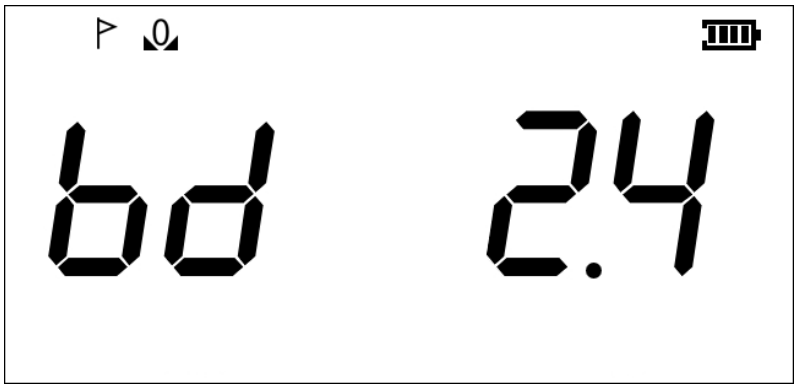


Figure 6-12 Baud Rate Parameters

6.1.6 Date and Time

In the advanced application menu, you can set the date and time. The time parameter updates in real time. Since neither parameter has a prefix indicator, users can determine which is which by checking whether the parameter updates in real time.

Figure 6-13 Date Parameter (Displayed as September 23, 2024)

Figure 6-14 Time Parameter (Displayed as 08:24:36)

6.1.7 Device ID and Communication Protocol

In the advanced menu, you can configure the Device ID, baud rate, and communication protocol to enable serial communication between the instrument and external devices. The data format is fixed at 8-N-1.

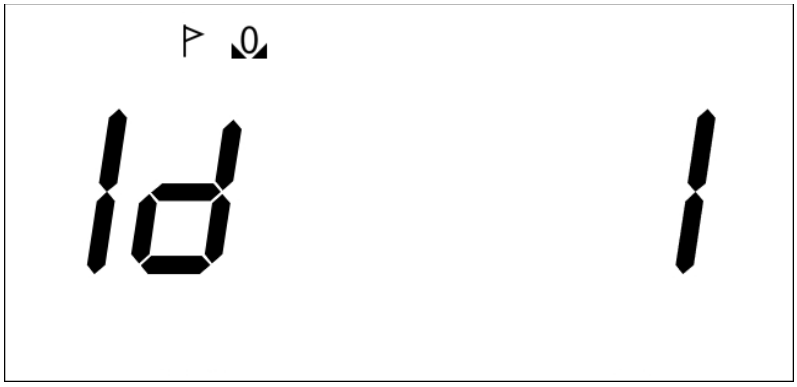


Figure 6-15 Device ID

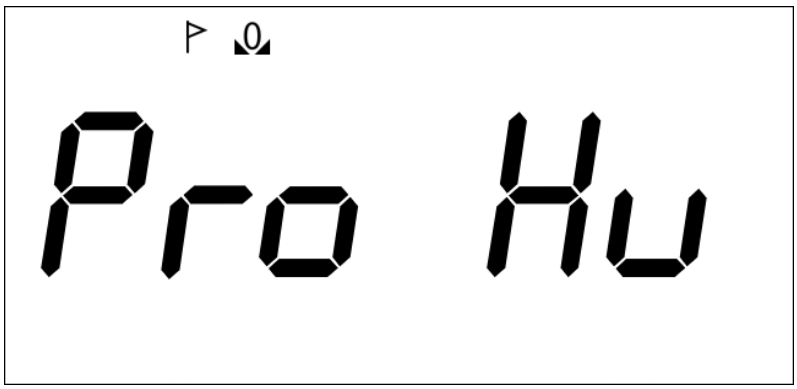


Figure 6-16 Communication Protocol

Device ID: The ID number of the instrument for serial communication.
Communication Protocol: The serial communication protocol between the instrument and external devices. Among the options:

- "nd" stands for Modbus Protocol
- "Hu" stands for Continuous Output Protocol
- "PF" stands for Zijiang ZJ5890 Printer's Printing Protocol

6.2 Auxiliary Function

When the user is in the standard weighing mode, pressing and holding the "Tare Clear" function key will access the auxiliary function settings interface. In this interface, the user can configure the required auxiliary functions, which are categorized into three types: Standard (0), Upper/Lower Limit Alarm (1), and Accumulated Weighing (2). The selection can be made via the auxiliary function setting parameters. It is recommended to enable the lower display when using auxiliary functions for enhanced usability.

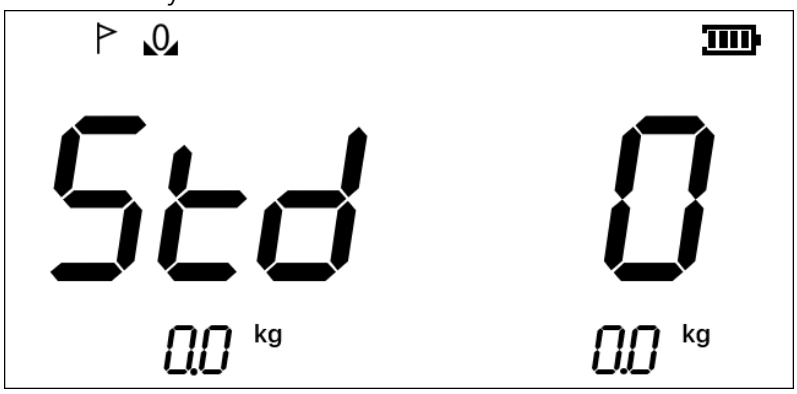


Figure 6-17 Auxiliary Function Setting Parameters

6.2.1 Upper and Lower Limit Alarms

When the instrument enables the upper and lower limit alarms by long-pressing the "Zero" function key and the display switch is activated, Display Area #1 on the main interface will show the lower limit weight, Display Area #2 will show the upper limit weight, and the main display area will show the detection result.

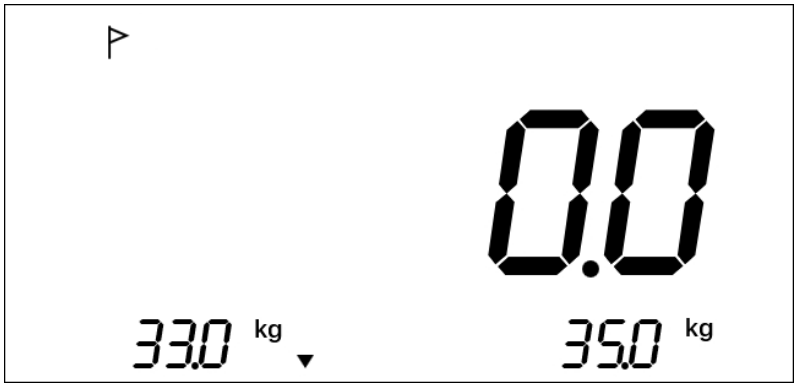


Figure 6-18 Upper and Lower Limit Alarms Main Interface (Current Weight Qualified)

In this mode, pressing and holding the "Tare" function key allows the user to access the Upper/Lower Limit Settings interface.Within this interface, the user can manually set the upper limit (H) and lower limit (L) weights. After configuration, the main interface will automatically determine if the current weight is outside the set range:

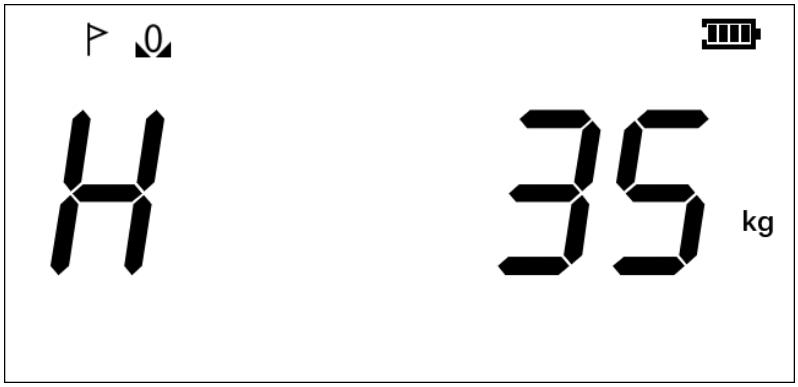


Figure 6-19 Upper Limit Parameter

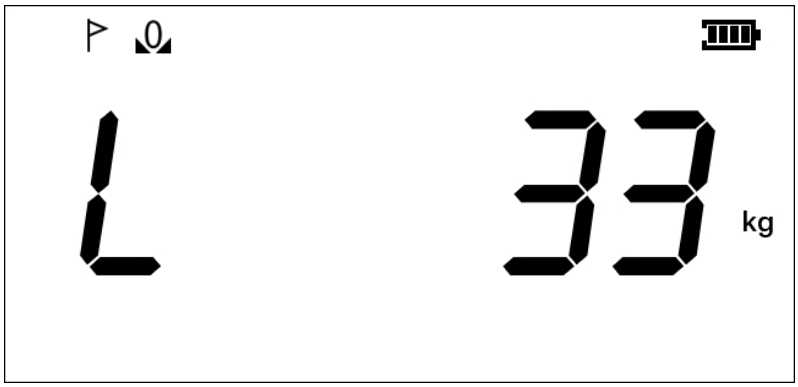


Figure 6-20 Lower Limit Parameter

Upper Limit Parameter: The upper threshold of weight. When the measured weight exceeds this value, the detection result will display how much it is above the upper limit.

Lower Limit Parameter: The lower threshold of weight. When the measured weight is less than this value, the detection result will display how much it is below the lower limit.

Qualified Detection: When the weight falls between the upper and lower limits, the main display area will show "0"; if it exceeds the upper limit, a positive value will be displayed; if it is below the lower limit, a negative value will be displayed.

6.2.2 Accumulated Weighing

When the auxiliary function setting parameter is set to 2, the instrument will activate the accumulated weighing function.

If the display switch is enabled at this time:

- Display Area #1 on the main interface will show the total accumulated weighing weight.
- Display Area #2 will show the total number of accumulated weighing cycles.
- The main display area will show the current real-time weight.

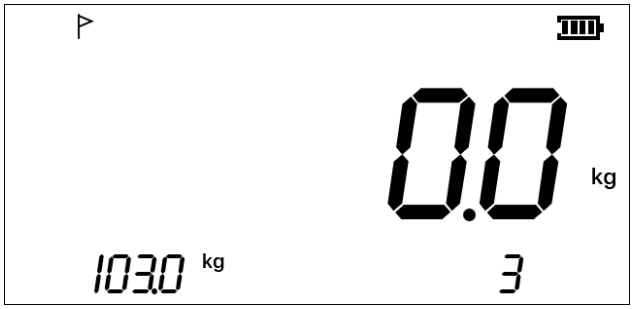


Figure 6-21 Accumulated Weighing Interface

After each weighing cycle is completed, pressing the "Print" function key will be deemed the end of the current weighing. At this point, the accumulated weight in Display Area #1 will be incremented by the current weighing weight, and the accumulated count in Display Area #2 will increase by 1.
Once all weighing tasks for the current session are completed, the user can press the "Tare" function key to end the accumulated weighing. At this point, the contents of Display Area #1 and Display Area #2 will be reset to zero.
Important Notes:

1. After each weighing cycle, if subsequent weight accumulation is required, the load on the scale platform must be cleared before the next weighing. Otherwise, the current accumulated weighing will be invalid.
2. If the user intends to modify the current auxiliary function, the accumulated weighing session must first be ended (with both accumulated weight and count reset to zero). Only then can the user long-press the "Tare" function key to access the auxiliary function settings interface.

When the user long-presses the "Tare" function key for 3 seconds in the accumulated weighing mode, the automatic accumulation settings interface will be accessed. In this interface, the user can set the accumulation operation to either Manual (0) or Automatic (1).In Automatic mode, the instrument will automatically accumulate the current weight and trigger the printer to print the result after the weight on the scale platform remains stable for 2 seconds. However, the user still needs to long-press the "Print" function key to end the entire accumulated weighing session.

Figure 6-22 Automatic Accumulation Function

Automatic Accumulation Function: 0 = Manual Accumulation; 1 = Automatic Accumulation.

7. Maintenance and Cautions

1. To ensure clear display and service life of the instrument, do not use it in direct sunlight. The installation location should be flat.

2. The sensor and instrument must be reliably connected, and the system shall have good grounding. Keep away from strong electric fields, strong magnetic fields, corrosive substances, and flammable/explosive materials.

- Do not use the instrument in environments with flammable gases or vapors, nor in pressurized tank systems.
- In areas prone to frequent lightning strikes, a reliable lightning arrester must be installed to ensure operator safety and prevent instrument damage caused by lightning.
- Both the sensor and instrument are electrostatically sensitive devices. Effective anti-static measures must be taken during use. Welding or other strong electric field operations on the weighing platform are strictly prohibited. During the thunderstorm season, reliable lightning protection measures must be implemented to prevent sensor and instrument damage, ensuring operator safety and the safe operation of weighing equipment and related devices.

3. Do not clean the cabinet with strong solvents (e.g., benzene, nitro-based oils).

4. Do not inject liquids or other conductive particles into the instrument to avoid damage or electric shock.

5. Before plugging or unplugging cables between the instrument and external devices, always turn off the power supply of the instrument and related equipment first!

- Before plugging or unplugging the sensor cable, turn off the instrument power first!
- Before plugging or unplugging the printer cable, turn off the power of both the printer and the instrument first!
- Before plugging or unplugging the large-screen display cable, turn off the power of both the instrument and the large-screen display first!
- Before plugging or unplugging the communication cable, turn off the power of both the instrument and the host computer first!

6. External interfaces of the instrument must be used strictly in accordance with the methods specified in the user manual. Unauthorized modification of connections is prohibited. If the instrument malfunctions during use, immediately unplug the power cord and send it to a professional service center for repair. Non-professional weighing equipment manufacturers are not advised to attempt self-repair to avoid further damage. The instrument shall not be opened arbitrarily; otherwise, the warranty will be void.

- Handle with care during transportation or installation. Avoid severe vibration, impact, or collision.

7. The instrument's lead seal shall not be opened without authorization from the technical supervision authority

8. Specifications

Instrument Housing	one-piece stainless steel construction
Dimensions	205mm x 180mm x 76.6mm
Packaged weight	1.1kg (2.42lb)
Ingress Protection Rating	IP65
Operating environment	Temperature: -10℃~40℃(14°~104° F)
	Relative Humidity: 10%~95%，Non-condensing
Power supply	Lithium Battery: 4000 mAh, Continuous Operating Time: 30 Hours
Energy consumption	Less than 3W
Display	Segment LCD Display, Dimensions: 132mm × 67mm
Maximum Verified Display Divisions (e)	3000
Maximum Stable Display Divisions (d)	50,000
Number of Load Cells	1~6 Load Cells (350Ω, Sensitivity: 2 or 3 mV/V)
AD Update Rate	A/D Conversion Rate: 100 Hz
Load Cell Excitation Voltage	5V DC
Minimum Input Sensitivity	0.2μV/d
Communication Interface	RS232
	Output Protocol: Continuous Output, Modbus-RTU

9. Appendices

This chapter mainly covers various problems that users may encounter during operation and their corresponding solutions. If you encounter similar situations as follows, please refer to the respective solutions for troubleshooting.

No.	Symptom	Troubleshooting
1	After calibration is completed, place the verification weights on the weighing platform. The weight will be displayed and then automatically reset to zero.	The instrument defaults to a zero tracking of 4d. You can access the advanced menu to modify the zero tracking parameter to 0d.
2	The instrument fails to calibrate, and "Err.SIg" is displayed during calibration.	Calibration weight is too small, first reduce the measuring range. After successful calibration, restore the measuring range to its original value.
3	The weight display at the bottom right corner of the instrument remains zero.	1、Reduce the measuring range. 2、Modify the division value to 0.001 kg. 3、Restore the measuring range and division value after successful calibration.
4	The load cell connection is normal, but the fault indicator at the bottom of the instrument persists. The measured positive and negative excitation voltages of the load cell are 5V.	Use a multimeter to measure the sensor's S+ and S- terminals. Check if the reading is within the range of 0~19 mV. If it exceeds 19 mV, the load cell is faulty.

Please **Contact Our Authorized Dealer** for Technical Assistance:

Notes:

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