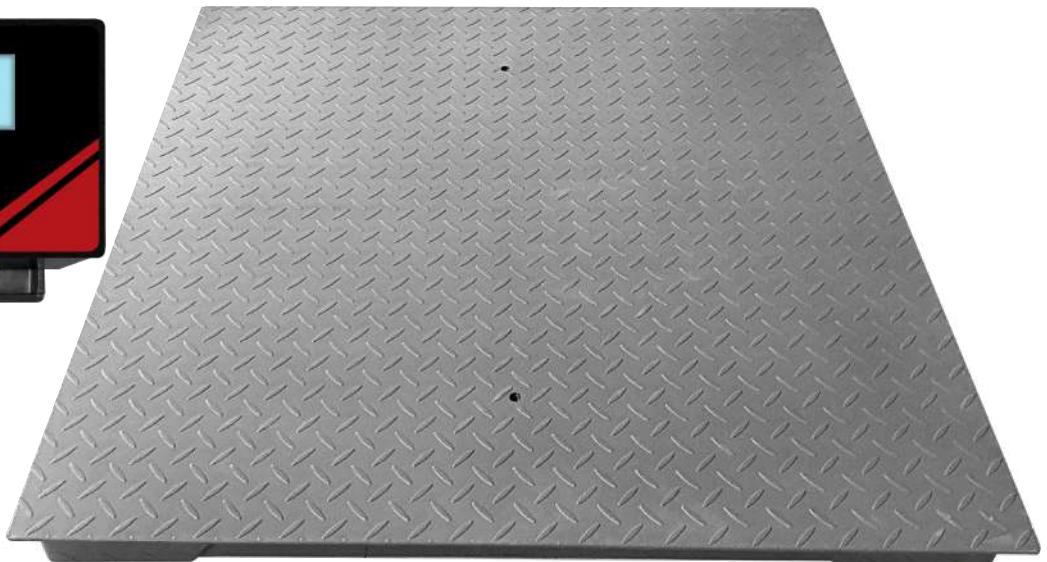


# MS21D Electronic Balance



## Contact us

Mikrosizer Precision Instrument Co.,Ltd

A-4035 RuiFeng Business Expo, Wuhu City, China , 241000.

Web:[www.mikrosizer.com](http://www.mikrosizer.com)

Email: [mikrosizer@mikrosizer.com](mailto:mikrosizer@mikrosizer.com)

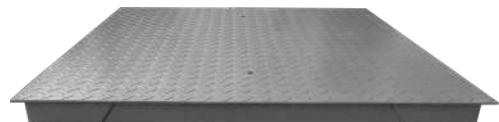
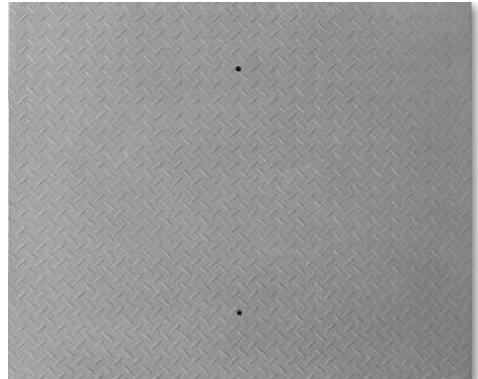


# Features and Applications

The MS21D electronic balance is an intelligent balance composed of high-stability sensors, high-precision analog-to-digital conversion integrated circuits (AD), and a single-chip microcomputer; it has multiple functions such as unit conversion, counting, percentage, RS232, dynamic weighing, AC/DC dual use, and memory; the balance is accurate in weighing, fast and stable, simple to operate, and complete in functions, suitable for industrial, agricultural, commercial, school and other units to quickly determine the mass and quantity of objects;

## Product Features

- Intelligent design, composed of high-stability sensors, high-precision analog-to-digital conversion integrated circuits, and a single-chip microcomputer, with a variety of practical functions such as unit conversion, counting, percentage, RS232 communication, dynamic weighing, AC/DC dual use, and memory function, which can meet the weighing needs in different scenarios;
- Simple to operate with clear operating procedures, easy to perform functions from power-on, calibration to weighing, tare, etc.;
- Rich display functions, the display can clearly show weighing data, units, calibration status and other information, and has a backlight function;
- Diverse and configurable functions: Not only has basic weighing capabilities, but also allows for zero tracking and automatic tare function settings, as well as various advanced operations such as unit conversion, counting, percentage calculation, and printing functions;

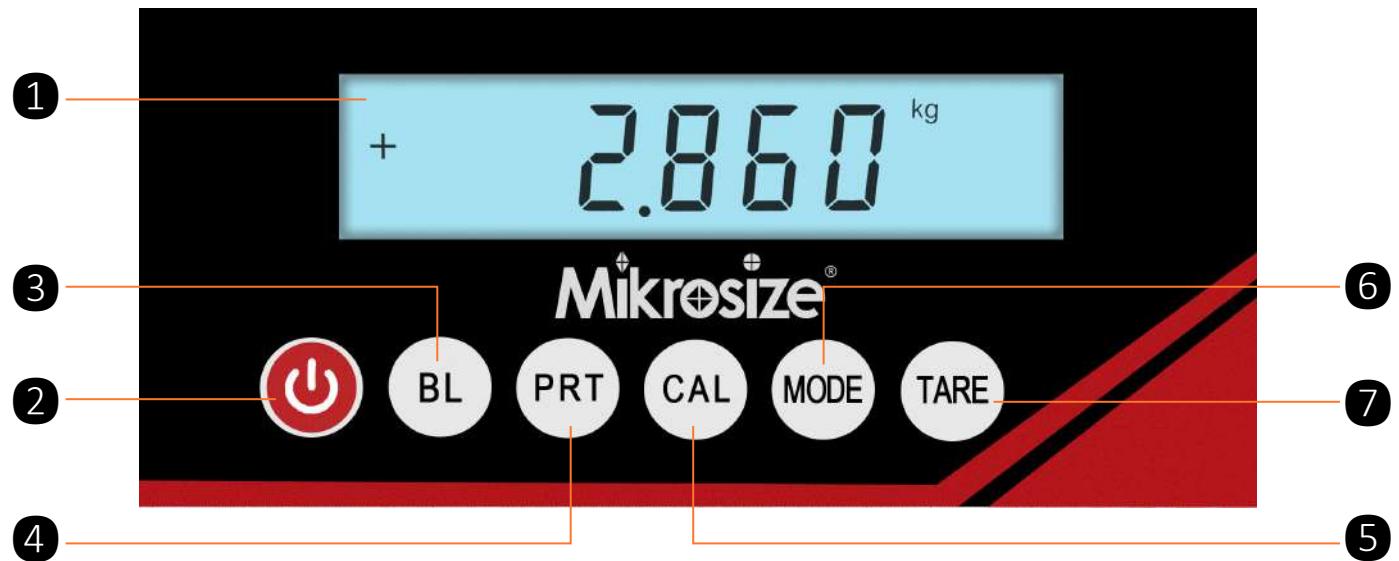


## Product Applications

- Raw material weighing: accurately weigh various raw materials during the production process, such as chemical raw materials, metal materials, etc.;
- Experimental data collection: accurately weigh experimental samples or materials in various scientific research experiments;



## Product Details



1. Display Screen

5. Calibration Button

2. Power Switch Button

6. Mode Button

3. BL button

7. Tare Button

4. Print Button

5



1. Power Switch

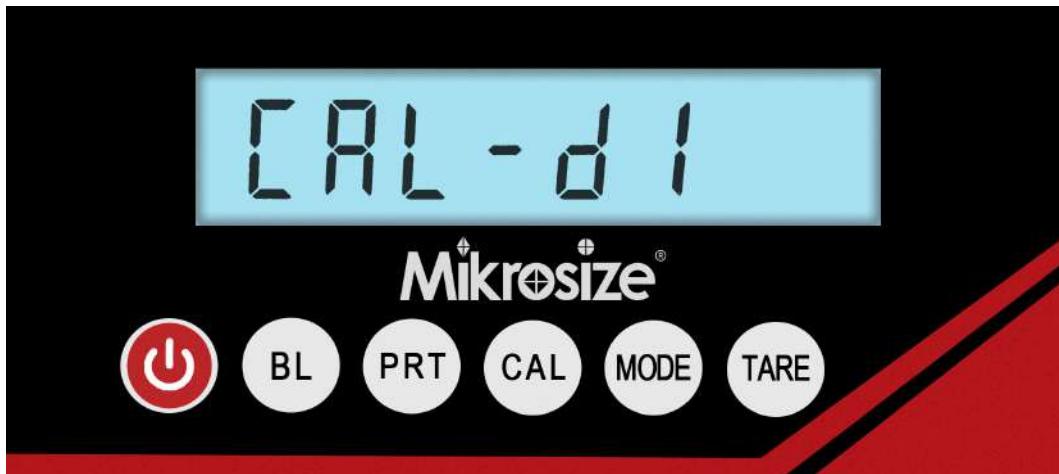
2. Power Interface

3. Sensor Interface

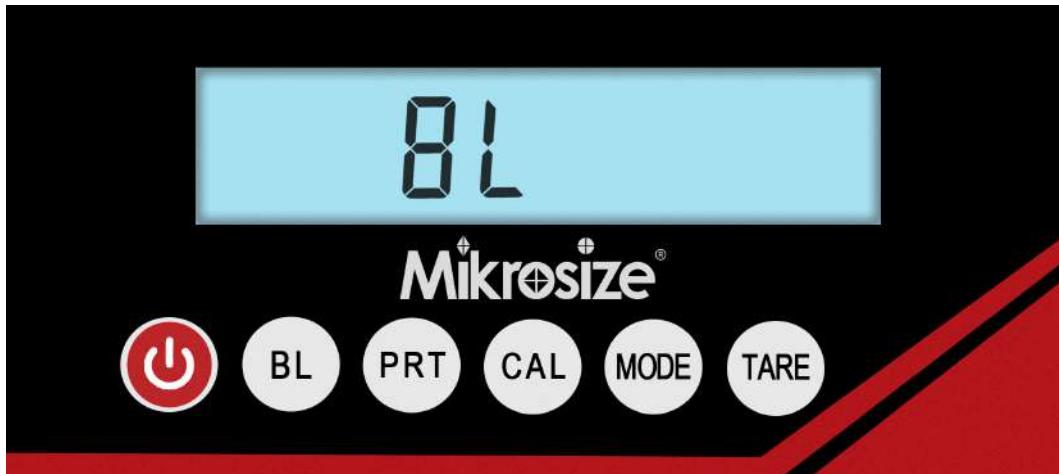
4. RS232 Interface

## Operation Interface

### Function Settings



Provides two calibration methods: general calibration and linear calibration, and users can choose according to actual conditions



Adopts a soft backlight design to make the operator's vision more comfortable and enable clear reading of information on the display in various environments



Provides four unit conversions: G, Kg, Lb, Oz

## Operation Interface

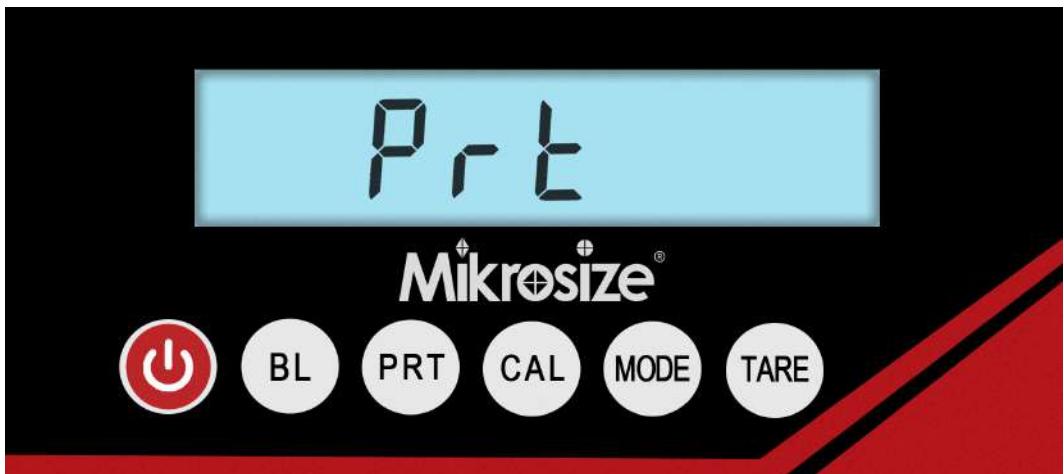
### Function Settings



The counting function features convenient operation, adjustable counting accuracy, wide application range, high efficiency and accuracy, synergy with other functions, and real-time display and feedback.



Provides relatively accurate percentage data to meet the requirements for the accuracy of proportional relationships



Provides manual printing mode, automatic printing mode, continuous printing mode

# Technical Specification

Model	Parameter	Remark
MS12D	1t/0.01kg	Pan: 100*100cm Can be equipped with MS-B or MS-L header RS232,RS485 or USB
MS21D	2t/0.1kg	
MS31D	3t/0.1kg	
MS-B	Small instruments	
MS-L	Take a pole meter	

## Standard Delivery

Name	Qty	Photo
Host	1 set	
Electronic Balance Pan	1 pc	
Rs232 Data Cable	1 pc	
Power Cord	1 pc	

# Calibration Weight

Range	Specification	Stainless steel tweezers	Special brush	Wipes
1mg-500mg	mg:1,2,2*,5,10,20,20*,50,100,200,200*,500	1		
1mg-100g	mg:1,2,2*,5,10,20,20*,50,100,200,200*,500 g:1,2,2*,5,10,20,20*,50,100	1		1
1mg-200g	mg:1,2,2*,5,10,20,20*,50,100,200,200*,500 g:1,2,2*,5,10,20,20*,50,100,200,200*	1	1	1
1mg-500g	mg:1,2,2*,5,10,20,20*,50,100,200,200*,500 g:1,2,2*,5,10,20,20*,50,100,200,200*,500	1	1	1
1mg-1kg	mg:1,2,2*,5,10,20,20*,50,100,200,200*,500 g:1,2,2*,5,10,20,20*,50,100,200,200*,500,1000	1	1	1
1mg-2kg	mg:1,2,2*,5,10,20,20*,50,100,200,200*,500 g:1,2,2*,5,10,20,20*,50,100,200,200*,500,1000,2000,2000*	1	1	1
1mg-5kg	mg:1,2,2*,5,10,20,20*,50,100,200,200*,500 g:1,2,2*,5,10,20,20*,50,100,200,200*,500,1000,2000,2000*,5000	1	1	1
1mg-10kg	mg:1,2,2*,5,10,20,20*,50,100,200,200*,500 g:1,2,2*,5,10,20,20*,50,100,200,200*,500,1000,2000,2000*,5000,10000	1	1	1
1mg-20kg	mg:1,2,2*,5,10,20,20*,50,100,200,200*,500 g:1,2,2*,5,10,20,20*,50,100,200,200*,500,1000,2000,2000*,5000,10000,20000	1	1	1
1g-100g	g:1,2,2*,5,10,20,20*,50,100	1	1	1
1g-200g	g:1,2,2*,5,10,20,20*,50,100,200,200*	1	1	1
1g-500g	g:1,2,2*,5,10,20,20*,50,100,200,200*,500	1	1	1
1g-1kg	g:1,2,2*,5,10,20,20*,50,100,200,200*,500,1000	1	1	1
1g-2kg	g:1,2,2*,5,10,20,20*,50,100,200,200*,500,1000,2000,2000*	1	1	1
1g-5kg	g:1,2,2*,5,10,20,20*,50,100,200,200*,500,1000,2000,2000*,5000	1	1	1
1g-10kg	g:1,2,2*,5,10,20,20*,50,100,200,200*,500,1000,2000,2000*,5000,10000	1	1	1
1g-20kg	g:1,2,2*,5,10,20,20*,50,100,200,200*,500,1000,2000,2000*,5000,10000,20000	1	1	1
1kg-5kg	g:1000,2000,2000*,5000	1	1	1

The asterisk (\*) indicates one additional piece (as a duplicate)