

## ELECTRONIC ANALYTICAL BALANCES

DATA  
OUTPUT



37



printer (optional)

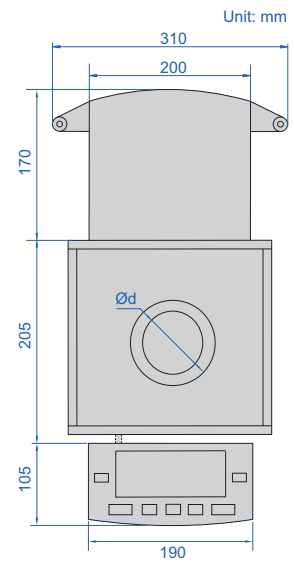
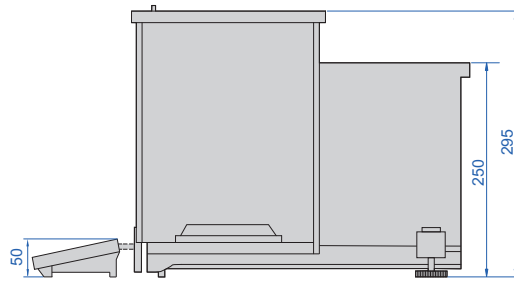


calibration weight  
(included in 8310-120M,  
8310-210M and 8310-320M)



8310-320A

- Rear electromagnetic sensor
- Separated display unit and weighing unit, reduce vibration error
- Digital processing technology improves reading stability and response speed for micro sample addition, sample weight and balance reading is consistent
- Unit: g, oz, ct, lb
- Weighing, counting, taring, percentage
- Data output



### SPECIFICATION

Code	8310-120M	8310-210M	8310-320M	8310-120A	8310-210A	8310-320A
Calibration	external calibration			internal calibration		
Maximum weighing	120g	210g	320g	120g	210g	320g
Minimum weighing	10mg	10mg	10mg	10mg	10mg	10mg
Resolution (d)	0.1mg	0.1mg	0.1mg	0.1mg	0.1mg	0.1mg
Verification interval (e)	1mg	1mg	1mg	1mg	1mg	1mg
Accuracy (m is load)	m≤50g: ±0.5mg; 50g<m≤200g: ±1mg; m>200g: ±1.5mg			m≤50g: ±0.5mg; 50g<m≤200g: ±1mg; m>200g: ±1.5mg		
Repeatability	±0.1mg					
Linearity	±0.2mg					
Stabilization time	2.5s					
Weighing pan size (Ød)	Ø90mm					
Output	RS232					
Operation temperature	10~30°C					
Operation humidity	20~85%RH					
Power supply	power adapter (12V/2A)					
Dimension (L×W×H)	480×310×320mm					
Weight	6kg					

### OPTIONAL ACCESSORY

RS232 cable	8304-CABLE *
Printer	8303-PRINTER

\* Used to connect with computers

DATA  
OUTPUT



## ELECTRONIC ANALYTICAL BALANCES (BASIC TYPE)

37



8304-120

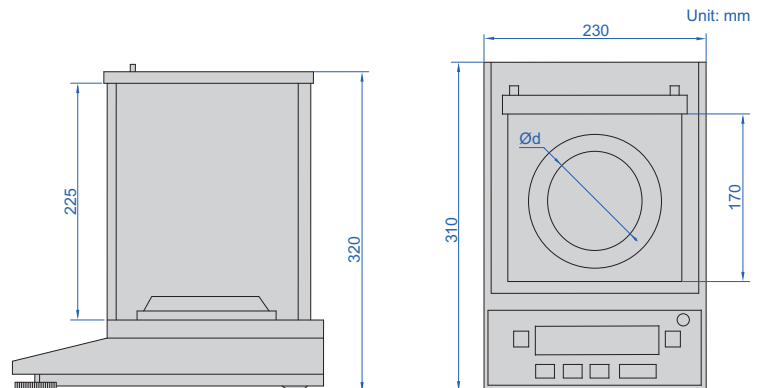


calibration weight  
(included)



printer (optional)

- Downward-mounted electromagnetic sensor
- Weighing, counting, taring, percentage
- LCD display, with backlight
- Data output
- Unit: g, ct, oz, lb



### SPECIFICATION

Code	8304-120	8304-220
Maximum weighing	120g	220g
Minimum weighing	10mg	10mg
Resolution (d)	0.1mg	0.1mg
Verification interval (e)	1mg	1mg
Accuracy (m is load)	m≤50g: ±0.5mg; 50g<m≤120g: ±1mg	m≤50g: ±0.5mg; 50g<m≤200g: ±1mg; m>200g: ±1.5mg
Repeatability	±0.2mg	
Linearity	±0.2mg	
Stabilization time	2.5s	
Output	RS232	
Weighing pan size (Ød)	Ø90mm	
Operation temperature	10~30°C	
Operation humidity	20~85%RH	
Power supply	power adapter (12V/2A)	
Dimension (L×W×H)	230×310×320mm	

### OPTIONAL ACCESSORY

RS232 cable	8304-CABLE *
Printer	8303-PRINTER
Data output cable (keyboard format)	7302-8304 page 22

\*Used to connect with computers

# ELECTRONIC PRECISION BALANCES

DATA  
OUTPUT

37



8303-520

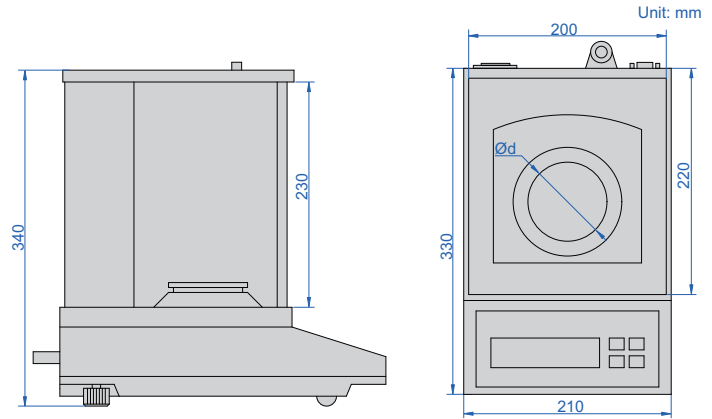
- Aluminum alloy shell, wind shield, three side glass sliding doors
- Electromagnetic balance sensor
- Unit: g, ct, ozt, oz, gn, dwt, mg
- Weighing, counting, taring
- Data output
- With a hook at the bottom



class F1 calibration weight (included)



printer (optional)



## SPECIFICATION

Code	8303-220	8303-320	8303-520	8303-620	8303-1020	8303-1520	8303-2020
Maximum weighing	220g	320g	520g	620g	1020g	1520g	2020g
Minimum weighing	20mg	20mg	100mg	100mg	100mg	100mg	100mg
Resolution (d)	1mg	1mg	1mg	1mg	1mg	1mg	1mg
Verification interval (e)	10mg	10mg	10mg	10mg	10mg	10mg	10mg
Accuracy (m is load)	m≤50g: ±5mg 50g<m≤200g: ±10mg m>200g: ±15mg		m≤500g: ±5mg m>500g: ±10mg				m≤500g: ±5mg 500g<m≤2000g: ±10mg m>2000g: ±15mg
Weighing pan size (Ød)	Ø80mm				Ø120mm		
Operation temperature	15~30°C		18~23°C				
Operation humidity	40%~80%RH		50%~70%RH				
Power supply	220V, 50/60Hz						
Dimension (L×W×H)	330×210×340mm						

## OPTIONAL ACCESSORY

RS232 cable	8301-CABLE *
Printer	8303-PRINTER
Data output cable (keyboard format)	7302-8001 page 22
Wireless transmitter (receiver is needed)	7315-8301 page 8

\*Used to connect with computers

DATA  
OUTPUT

TOUCH  
SCREEN

INTERNAL  
CALIBRATION

## ELECTRONIC PRECISION BALANCES

37



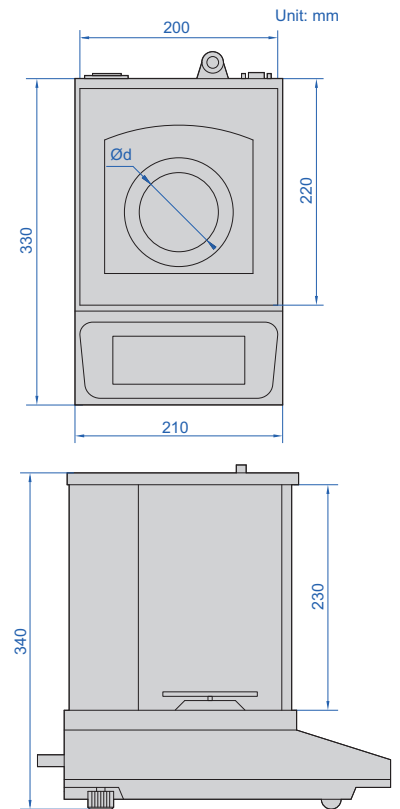
class F1 calibration weight (included)



printer (optional)



8319-320



- Built-in calibration weights, automatic internal calibration
- Large touchscreen display
- Weighing, counting, taring, percentage display, density detection
- Aluminium alloy shell, wind shield, three side glass sliding doors
- Unit: g, ct, ozt, oz, gn, dwt, mg
- Electromagnetic balanced sensor
- With a hook at the bottom
- Data output

### SPECIFICATION

Code	8319-220	8319-320	8319-520	8319-620	8319-1020	8319-1520
Maximum weighing	220g	320g	520g	620g	1020g	1520g
Minimum weighing	20mg	20mg	100mg	100mg	100mg	100mg
Resolution (d)	1mg	1mg	1mg	1mg	1mg	1mg
Verification interval (e)	10mg	10mg	10mg	10mg	10mg	10mg
Accuracy (m is load)	m≤50g: ±5mg 50g<m≤200g: ±10mg m>200g: ±15mg		m≤500g: ±5mg m>500g: ±10mg			
Weighing pan size (Ød)	Ø80mm				Ø120mm	
Operation temperature	15~30°C		18~23°C			
Operation humidity	40%~80%RH		50%~70%RH			
Power supply	220V, 50/60Hz					
Dimension (L×W×H)	330×210×340mm					

### STANDARD DELIVERY

Main unit	1 pc
Calibration weight	1 pc

### OPTIONAL ACCESSORY

RS232 cable	8301-CABLE *
Printer	8303-PRINTER
Data output cable (keyboard format)	7302-8001 page 22
Wireless transmitter (receiver is needed)	7315-8301 page 8

\* Used to connect with computers

# ELECTRONIC BALANCES

DATA  
OUTPUT

37



8301-3000

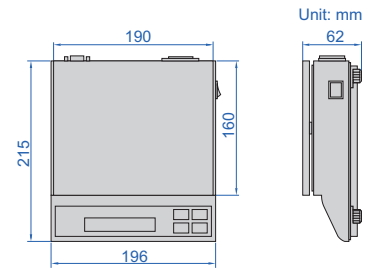


windshield  
(included in 8301-300,  
8301-600 and 8301-1200)



calibration weight  
(included in 8301-300,  
8301-600 and 8301-1200)

- Automatic zero when power on
- Unit: g (gram), ct (carat), ozt (troy ounce)
- Weighing, counting, taring
- Overload alarm
- Data output



## SPECIFICATION

Code	8301-300	8301-600	8301-1200	8301-3000	8301-6000
Maximum weighing	300g	600g	1200g	3000g	6000g
Minimum weighing	0.2g	0.2g	0.2g	2g	2g
Resolution (d)	0.01g	0.01g	0.01g	0.1g	0.1g
Verification interval (e)	0.1g	0.1g	0.1g	1g	1g
Accuracy (m is load)	m≤50g: ±0.05g; 50g<m≤200g: ±0.1g; m>200g: ±0.15g		m≤500g: ±0.05g; m>500g: ±0.1g	m≤500g: ±0.5g; 500g<m≤2000g: ±1g; m>2000g: ±1.5g	
Weighing pan size	Ø135mm			190×160mm	
Operation temperature	0~40°C				
Operation humidity	≤80%RH				
Power supply	220V, 50/60Hz				
Dimension (L×W×H)	215×196×62mm				

## OPTIONAL ACCESSORY

RS232 cable	8301-CABLE*
Data output cable (keyboard format)	7302-8001 page 22
Wireless transmitter (receiver is needed)	7315-8301 page 8

\*Used to connect with computers



DATA  
OUTPUT

## ELECTRONIC BALANCES (STANDARD TYPE)

37

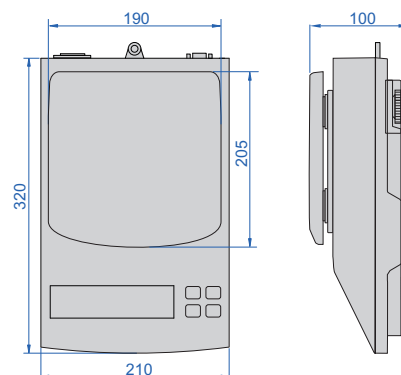


8305-5000

Unit: mm



calibration weight  
(included in 8305-2000  
and 8305-3000)



- LCD with back light
- Unit: g, ct, ozt, oz, GN, dwt, lb, kg
- Weighing, counting, taring
- With a hook at the bottom
- Data output

### SPECIFICATION

Code	8305-2000	8305-3000	8305-5000	8305-6000
Maximum weighing	2kg	3kg	5kg	6kg
Minimum weighing	0.5g	0.5g	0.5g	0.5g
Resolution (d)	0.01g	0.01g	0.01g	0.01g
Verification interval (e)	0.1g	0.1g	0.1g	0.1g
Accuracy (m is load)	m≤0.5kg: ±0.05g; 0.5kg<m≤2kg: ±0.1g	m≤0.5kg: ±0.05g; 0.5kg<m≤2kg: ±0.1g m>2kg: ±0.15g	m≤0.5kg: ±0.05g; 0.5kg<m≤2kg: ±0.1g m>2kg: ±0.15g	m≤0.5kg: ±0.05g; 0.5kg<m≤2kg: ±0.1g m>2kg: ±0.15g
Weighing pan size	190×205mm			
Output	RS232			
Operation temperature	0~40°C			
Operation humidity	≤80%RH			
Power supply	220V, 50/60Hz			
Dimension (L×W×H)	320×210×100mm			

### OPTIONAL ACCESSORY

RS232 cable	8301-CABLE*
Printer	8303-PRINTER
Data output cable (keyboard format)	7302-8001 page 22
Wireless transmitter (receiver is needed)	7315-8301 page 8



printer (optional)

\*Used to connect with computers

## INDUSTRIAL ELECTRONIC BALANCES (BASIC TYPE)

POPULAR MODEL



37



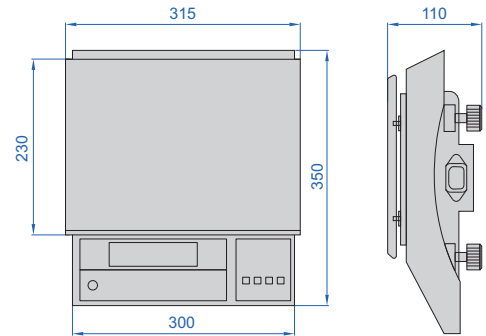
printer (optional)



8306-20AD

- Double weighing pan in stainless steel and plastic
- Weighing, simple counting, taring
- Strain balance sensor
- LCD display, with backlight
- Unit: g, lb, ct, oz
- Overload alarm

Unit: mm



### SPECIFICATION

Operation temperature	-10~40°C
Operation humidity	≤85%RH
Dimension of pan	315×230mm
Power supply	rechargeable lead acid battery (6V/4Ah)
Output	≤2s

Code	Maximum weighing	Resolution (d)	Minimum weighing	Verification interval (e)	Number of verification interval (n)	Accuracy (m is load)	Output	
8306-10	10kg	1g	20g	10g	1000	m≤5kg: ±5g; m>5kg: ±10g	no	
8306-15	15kg	1g	20g	10g	1500	m≤5kg: ±5g; m>5kg: ±10g		
8306-20	20kg	1g	20g	10g	2000	m≤5kg: ±5g; m>5kg: ±10g		
8306-30	30kg	1g	20g	10g	3000	m≤5kg: ±5g; 5kg<m≤20kg: ±10g; m>20kg: ±15g		
8306-5A	5kg	0.1g	5g	1g	5000	±0.5g		
8306-10A	10kg	0.1g	5g	1g	10000	m≤5kg: ±0.5g; m>5kg: ±1g		
8306-15A	15kg	0.1g	5g	1g	15000	m≤5kg: ±0.5g; m>5kg: ±1g		
8306-20A	20kg	0.1g	5g	1g	20000	m≤5kg: ±0.5g; m>5kg: ±1g		
8306-10D	10kg	1g	20g	10g	1000	m≤5kg: ±5g; m>5kg: ±10g		RS232
8306-15D	15kg	1g	20g	10g	1500	m≤5kg: ±5g; m>5kg: ±10g		
8306-20D	20kg	1g	20g	10g	2000	m≤5kg: ±5g; m>5kg: ±10g		
8306-30D	30kg	1g	20g	10g	3000	m≤5kg: ±5g; 5kg<m≤20kg: ±10g; m>20kg: ±15g		
8306-5AD	5kg	0.1g	5g	1g	5000	±0.5g		
8306-10AD	10kg	0.1g	5g	1g	10000	m≤5kg: ±0.5g; m>5kg: ±1g		
8306-15AD	15kg	0.1g	5g	1g	15000	m≤5kg: ±0.5g; m>5kg: ±1g		
8306-20AD	20kg	0.1g	5g	1g	20000	m≤5kg: ±0.5g; m>5kg: ±1g		

### OPTIONAL ACCESSORY

RS232 cable	8306-CABLE *
Printer	8306-PRINTER

\* Used to connect with computers

# INDUSTRIAL ELECTRONIC BALANCES



DATA  
OUTPUT



alarm light (optional)



printer (optional)

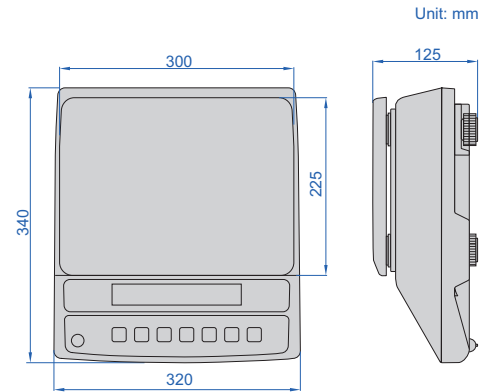


8307-15K

- Zero-setting, weighing, counting, checking alarm
- Subtracting tare value, accumulation, percentage display
- Overload alarm
- LCD display, with backlight
- Automatic power off
- Data output
- Unit: kg, lb, g, oz, t (ola)

### SPECIFICATION

Operation temperature	-10~40°C
Operation humidity	30%~80%RH
Dimension of pan	300×225mm
Power supply	rechargeable lead acid battery (6V/4Ah)
Output	RS232



Code	Maximum weighing	Resolution (d)	Minimum weighing	Verification interval (e)	Number of verification interval (n)	Accuracy (m is load)
8307-6K	6kg	0.05g	2.5g	0.1g	60000	m≤500g: ±0.05g; 500g<m≤2kg: ±0.1g; m>2kg: ±0.15g
8307-15K	15kg	0.1g	5g	1g	15000	m≤5kg: ±0.5g; m>5kg: ±1g
8307-30K	30kg	0.2g	10g	1g	30000	m≤5kg: ±0.5g; 5kg<m≤20kg: ±1g; m>20kg: ±1.5g
8307-3KA	3kg	0.05g	2.5g	0.1g	30000	m≤500g: ±0.05g; 500g<m≤2kg: ±0.1g; m>2kg: ±0.15g
8307-6KA	6kg	0.1g	5g	1g	6000	m≤5kg: ±0.5g; m>5kg: ±1g
8307-15KA	15kg	0.2g	10g	1g	15000	m≤5kg: ±0.5g; m>5kg: ±1g
8307-30KA	30kg	0.5g	25g	1g	30000	m≤5kg: ±0.5g; 5kg<m≤20kg: ±1g; m>20kg: ±1.5g
8307-3KB	3kg	0.1g	2g	1g	3000	m≤500g: ±0.5g; 500g<m≤2kg: ±1g; m>2kg: ±1.5g
8307-6KB	6kg	0.2g	10g	1g	6000	m≤5kg: ±0.5g; m>5kg: ±1g
8307-15KB	15kg	0.5g	25g	1g	15000	m≤5kg: ±0.5g; m>5kg: ±1g
8307-30KB	30kg	1g	20g	10g	3000	m≤5kg: ±5g; 5kg<m≤20kg: ±10g; m>20kg: ±15g

### OPTIONAL ACCESSORY

Alarm light	8001-ALARM
Printer	8001-PRINTER
Data output cable (keyboard format)	7302-8001 page 22
Wireless transmitter (receiver is needed)	7315-8001 page 8



# INDUSTRIAL ELECTRONIC BALANCES

DATA  
OUTPUT



37

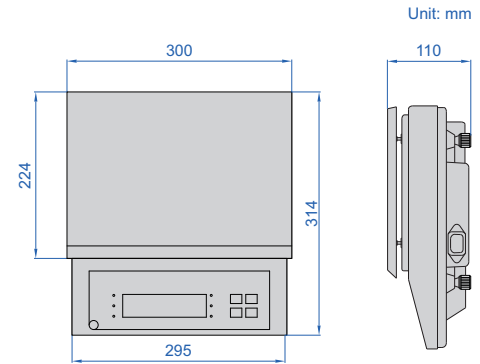
- Double weighing pan in stainless steel and plastic
- Automatic calibration, zero tracking, weighing, counting, taring
- Aluminium alloy base
- Strain balance sensor
- Data output
- Unit: kg, lb



8308-30KB

### SPECIFICATION

Operation temperature	0~40°C
Operation humidity	≤80%RH
Dimension of pan	300×224mm
Power supply	rechargeable lead acid battery (6V/4Ah)
Output	RS232



Code	Maximum weighing	Resolution (d)	Minimum weighing	Verification interval (e)	Number of verification interval (n)	Accuracy (m is load)
8308-3K	3kg	0.1g	2g	1g	3000	m≤500g: ±0.5g; 500g<m≤2kg: ±1g; m>2kg: ±1.5g
8308-6K	6kg	0.1g	2g	1g	6000	m≤500g: ±0.5g; 500g<m≤2kg: ±1g; m>2kg: ±1.5g
8308-10K	10kg	1g	20g	10g	1000	m≤5kg: ±5g; m>5kg: ±10g
8308-15K	15kg	0.5g	25g	1g	15000	m≤5kg: ±0.5g; m>5kg: ±1g
8308-20K	20kg	1g	20g	10g	2000	m≤5kg: ±5g; m>5kg: ±10g
8308-30K	30kg	1g	20g	10g	3000	m≤5kg: ±5g; 5kg<m≤20kg: ±10g; m>20kg: ±15g
8308-3KA	3kg	0.5g	10g	1g	3000	m≤500g: ±0.5g; 500g<m≤2kg: ±1g; m>2kg: ±1.5g
8308-6KA	6kg	0.5g	10g	1g	6000	m≤500g: ±0.5g; 500g<m≤2kg: ±1g; m>2kg: ±1.5g
8308-15KA	15kg	1g	20g	10g	1500	m≤5kg: ±5g; m>5kg: ±10g
8308-30KA	30kg	5g	100g	10g	3000	m≤5kg: ±5g; 5kg<m≤20kg: ±10g; m>20kg: ±15g
8308-10KB	10kg	0.1g	5g	1g	10000	m≤5kg: ±0.5g; m>5kg: ±1g
8308-20KB	20kg	0.1g	5g	1g	15000	m≤5kg: ±0.5g; m>5kg: ±1g
8308-30KB	30kg	0.1g	5g	1g	30000	m≤5kg: ±0.5g; 5kg<m≤20kg: ±1g; m>20kg: ±1.5g

### OPTIONAL ACCESSORY

RS232 cable	8301-CABLE*
Printer	8303-PRINTER
Data output cable (keyboard format)	7302-8001 page 22
Wireless transmitter (receiver is needed)	7315-8301 page 8

\*Used to connect with computers



printer (optional)

CAN BE CUSTOMIZED

TOUCH SCREEN

HIGH ACCURACY

DATA OUTPUT



## INDUSTRIAL ELECTRONIC BALANCES (ADVANCED TYPE)

37



8309-35

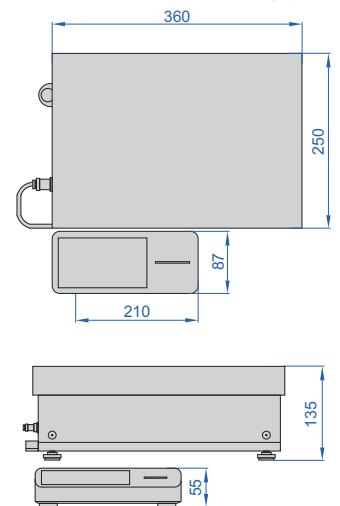


printer (optional)



charge pal (optional)

Unit: mm



- Electromagnetic balanced sensor
- Compensates for zero stability and weighing accuracy by loading accurately at multiple temperature points
- Stainless steel weighing pan, acid and corrosion resistant
- Manual screen off, screen saver
- Weighing, counting, taring
- Overload alarm
- Unit: g, kg, lb, ct, oz
- Password protection
- Data output

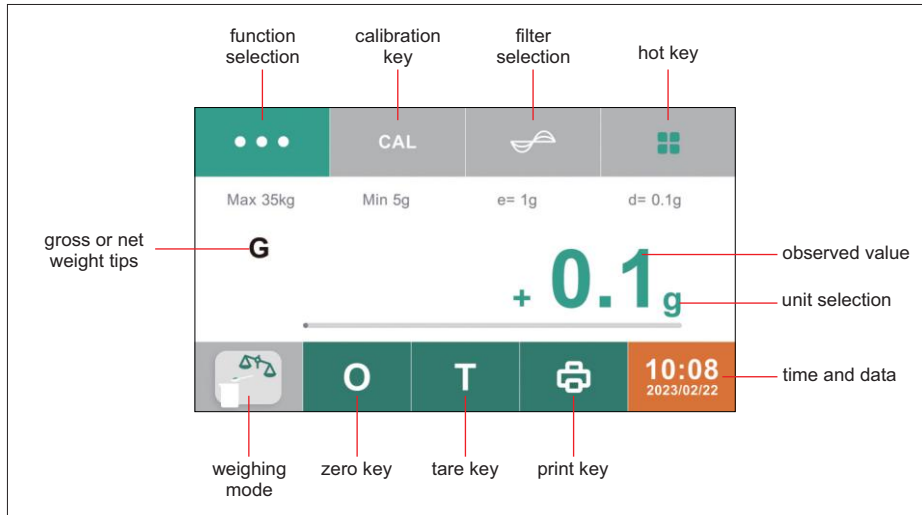
### SPECIFICATION

Code	8309-16	8309-20	8309-30	8309-35	8309-16A	8309-20A	8309-30A	8309-35A
Maximum weighing	16kg	20kg	30kg	35kg	16kg	20kg	30kg	35kg
Resolution (d)	0.1g				0.05g			
Verification interval (e)	1g				0.1g			
Accuracy	±0.1g		±0.2g		±0.05g		±0.1g	
Repeatability	±0.1g				±0.05g			
Linearity	±0.1g				±0.05g			
Weight of calibration	10kg		20kg		10kg		20kg	
Calibration method	external calibration							
Minimum weighing	5g							
Stabilization time	≤1.5s							
Operation temperature	10~30°C							
Operation humidity	30%~80%RH							
Weighing pan size	360×250mm							
Power supply	power adapter (5V/2A)							
Data interface	DB9, Type-C, RS485							
Communication protocols	compatible with SBI (RS232) and SICS communication protocols							

To be continued

Continued from previous page

weighing test interface



Measurement functions:

<p><b>Weighing</b></p> <p>This application determines the weight of the object to be weighed within the specific weighing range of the device</p>	<p><b>Transition</b></p> <p>The application can multiply the weighing value with a customizable coefficient to obtain a converted measurement, the last entered coefficient is saved when the power supply is interrupted</p>
<p><b>Mixing</b></p> <p>The application allows up to 99 ingredients for a mixture or recipe to be placed sequentially in a container. After each placement of an ingredient, the balance will automatically tare the weight and can display the individual or total weight of the ingredients</p>	<p><b>Animal weighing</b></p> <p>The application is suitable for moving weights (e.g. live animals) and for weighing in unstable environments, where a measuring cycle with a defined number of measurements is performed automatically for each object to be weighed, the average value is determined from the individual measurements and displayed as a result</p>
<p><b>Statistic</b></p> <p>The application can save up to 99 weighing values and calculated values, and perform statistical evaluations</p>	<p><b>Check weighing</b></p> <p>The application checks that the weighing value is within the specified upper and lower limits and determines the test result, allowing weighing of a specific rated weight</p>
<p><b>Component</b></p> <p>The application can sum up to 99 weighing values, can weigh components in different containers, and can tare each container before weighing each component</p>	<p><b>Peak holding</b></p> <p>This application determines the maximum weighing value (peak value) of a sample and displays the value for up to 5 seconds after the balance has been unloaded</p>
<p><b>Density</b></p> <p>The application can determine the density of solid materials based on the buoyancy method (<b>powder density cannot be tested, no density components are supplied as standard</b>)</p>	<p><b>Counting</b></p> <p>The application counts almost identical piece weights by comparing them to a reference sample</p>
<p><b>Percentage</b></p> <p>This application allows the determination of the percentage or percentage difference of the weighed object based on a reference weight</p>	

STANDARD DELIVERY

Main unit	1 pc
RS232 cable *	1 pc
Touch screen indicator	1 pc

\* Used to connect computers

OPTIONAL ACCESSORY

Printer	8309-PRINTER
Charge pal	1155-5-POB

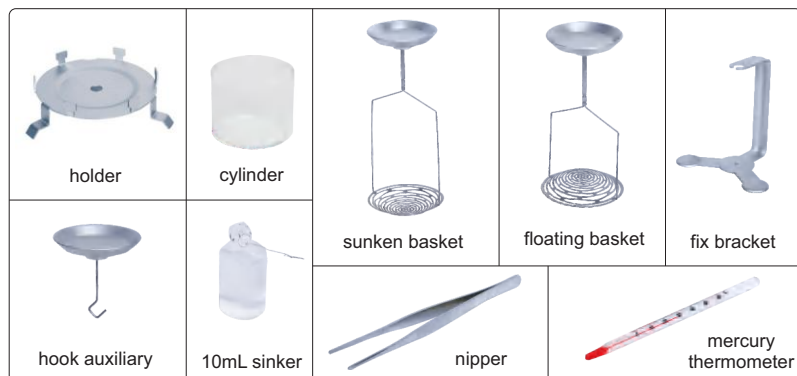


DATA  
OUTPUT

## ELECTRONIC DENSITY BALANCES

37

density accessories (included)



8102-320

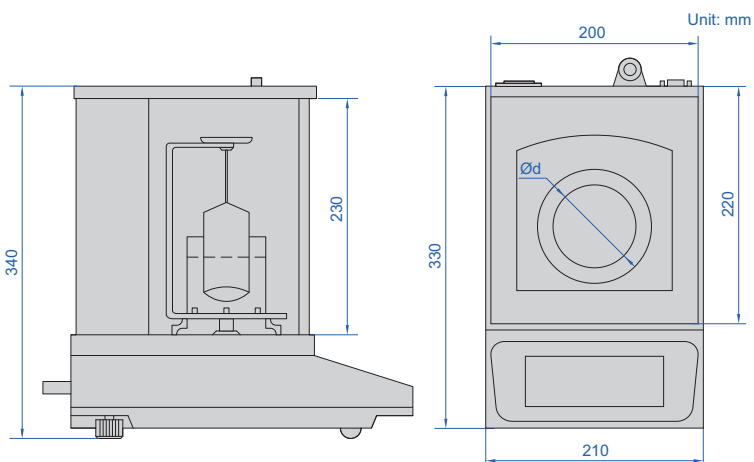
- Suitable for measuring the density of solids and liquids
- Aluminium alloy shell, wind shield, three side glass sliding doors
- With a hook at the bottom
- Weighing, counting, taring, percentage display
- Built-in calibration weights, automatic internal calibration
- Unit: g, ct, ozt, oz, gn, dwt, mg
- Electromagnetic balanced sensor
- Large touchscreen display
- Data output



class F1 calibration weight (included)



printer (optional)



### SPECIFICATION

Code	8102-220	8102-320	8102-520	8102-620	8102-1020	8102-1520
Maximum weighing	220g	320g	520g	620g	1020g	1520g
Minimum weighing	20mg	20mg	100mg	100mg	100mg	100mg
Resolution (d)	1mg	1mg	1mg	1mg	1mg	1mg
Verification interval (e)	10mg	10mg	10mg	10mg	10mg	10mg
Accuracy (m is load)	m≤50g: ±5mg; 50g<m≤200g: ±10mg; m>200g: ±15mg		m≤500g: ±5mg; m>500g: ±10mg			
Weighing pan size (Ød)	Ø80mm				Ø120mm	
Operation temperature	15~30°C		18~23°C			
Operation humidity	40%~80%RH		50%~70%RH			
Power supply	220V, 50/60Hz					
Dimension (L×W×H)	330×210×340mm					

### OPTIONAL ACCESSORY

RS232 cable	8301-CABLE*
Printer	8303-PRINTER
Data output cable (keyboard format)	7302-8001 page 22
Wireless transmitter (receiver is needed)	7315-8301 page 8
Infrared and penetration thermometer	0321-IT42

\* Used to connect computers

### STANDARD DELIVERY

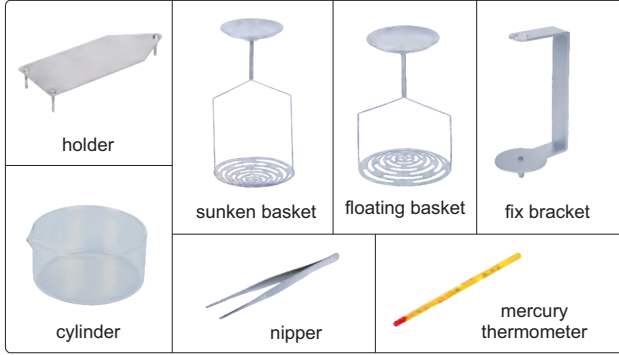
Main unit	1 pc
Calibration weight	1 pc
Density accessories	1 set

# ELECTRONIC DENSITY BALANCES

DATA  
OUTPUT



density accessories (included)



8103-120

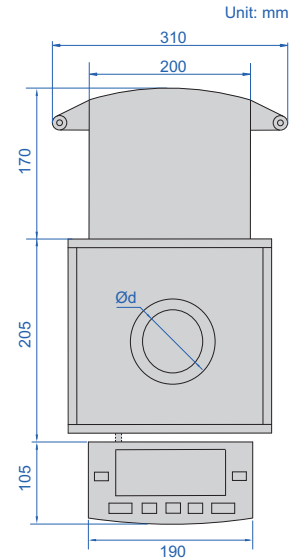
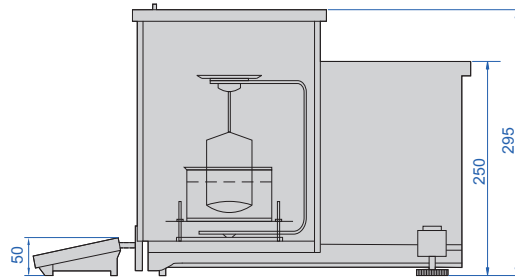
- Suitable for measuring the density of solids and liquids
- Transparent glass windshield, bottom with lower weighing hooks
- Weighing, counting, taring, percentage display
- Unit: ct, oz, g, lb
- Rear electromagnetic sensor
- LCD display, with backlight
- Highly accurate and sensitive temperature and humidity sensors reduce the effect of ambient humidity and the sensitivity to temperature changes
- Separated display unit and weighing unit, reduce vibration error
- Data output



class F1 calibration weight (included)



printer (optional)



## SPECIFICATION

Code	8103-120	8103-210
Maximum weighing	120g	210g
Minimum weighing	10mg	10mg
Resolution (d)	0.1mg	0.1mg
Verification interval (e)	1mg	1mg
Accuracy (m is load)	m≤50g: ±0.5mg; m>50g: ±1mg	m≤50g: ±0.5mg; 50g<m≤200g: ±1mg; m>200g: ±1.5mg
Sample weight	>10g	
Weighing pan size (Ød)	Ø90mm	
Repeatability	±0.1mg	
Linearity	±0.2mg	
Stabilization time	2.5s	
Operation temperature	13~25°C	
Operation humidity	40~80%RH	
Output	RS232	
Power supply	power adapter (12V/2A)	
Dimension (LxWxH)	480×310×320mm	

## STANDARD DELIVERY

Main unit	1 pc
Calibration weight	1 pc
Density accessories	1 set

## OPTIONAL ACCESSORY

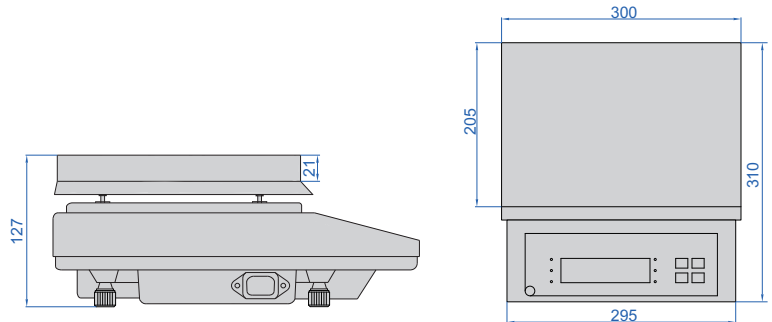
RS232 cable	8301-CABLE*
Printer	8303-PRINTER
Infrared and penetration thermometer	0321-IT42

\* Used to connect computers



8106-30KG

Unit: mm



- Automatic calibration, zero tracking, weighing, counting, taring
- Aluminium alloy base, wooden pallet
- Data output
- Strain balance Sensor
- Unit: kg, lb

**SPECIFICATION**

Code	8106-3KG	8106-6KG	8106-10KG	8106-20KG	8106-30KG
Maximum weighing	3kg	6kg	10kg	20kg	30kg
Minimum weighing	2g	2g	20g	20g	20g
Resolution (d)	0.1g	0.1g	1g	1g	1g
Verification interval (e)	1g	1g	10g	10g	10g
Accuracy (m is load)	m≤500g: ±0.5g; 500g<m≤2kg: ±1g; m>2kg: ±1.5g		m≤5kg: ±5g; m>5kg: ±10g		m≤5kg: ±5g; 5kg<m≤20kg: ±10g m>20kg: ±15g
Operation temperature	0~40°C				
Operation humidity	≤80%RH				
Power supply	220V, 50/60Hz				
Dimension of pan	205×300mm				

**OPTIONAL ACCESSORY**

RS232 cable	8301-CABLE*
Printer	8303-PRINTER
Data output cable (keyboard format)	7302-8001 page 22
Wireless transmitter (receiver is needed)	7315-8301 page 8

\*Used to connect with computers



printer (optional)

# MOISTURE ANALYZERS

DATA  
OUTPUT



37



calibration weight  
(included)

- LCD screen
- High sensitivity temperature and humidity sensor
- Ring halogen lamp heating evenly, shorten drying time



8701-RM40

## SPECIFICATION

Code	8701-RM20	8701-RM30	8701-RM40
Maximum weighing	120g	120g	120g
Resolution (d)	5mg	1mg	0.1mg
Accuracy for moisture	sample<10g	±10%	±0.5%
	sample≥10g	±5%	±0.3%
Operation temperature	13~25°C		
Verification interval	2.5s		
Warm-up time	20~30 minutes		
Weighing pan size	Ø90mm		
Heating source	halogen lamp (450W)		
Range for heating temperature	60~200°C		
Heating time setting	0~99 minutes		
Heating mode	standard heating, step heating, rapid heating		
Shutdown mode	automatic shutdown, manual shutdown, timed shutdown		
Output	RS232C		
Power supply	220V, 50/60Hz		
Dimension (L×W×H)	330×210×340mm		

## STANDARD DELIVERY

Main unit	1 pc
Weight	1 pc

## OPTIONAL ACCESSORY

RS232 cable	8304-CABLE *
Printer	8303-PRINTER

\*Used to connect with computers

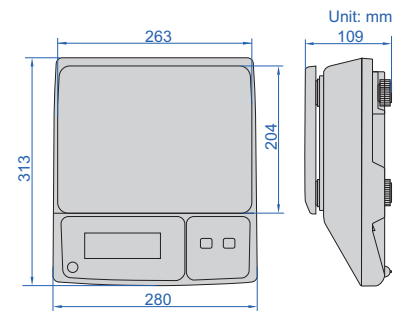


## WEIGHING SCALES (OIML CERTIFICATE)

- LCD display, with backlight
- Zero-setting, subtracting tare value
- Overload alarm
- Automatic power off
- OIML certificate (No. 0200-NAWI-04601)



8002-30M



### SPECIFICATION

Code	8002-6M	8002-15M	8002-30M	8002-6MD	8002-15MD	8002-30MD
Maximum weighing	3/6kg	6/15kg	15/30kg	3/6kg	6/15kg	15/30kg
Minimum weighing	20g	40g	100g	20g	40g	100g
Resolution (d)	1/2g	2/5g	5/10g	1/2g	2/5g	5/10g
Verification interval (e)	2g	5g	10g	2g	5g	10g
Accuracy (m is load)	m≤3kg: ±1g 3kg<m≤6kg: ±2g	m≤6kg: ±2g 6kg<m≤15kg: ±5g	m≤15kg: ±5g 15kg<m≤30kg: ±10g	m≤3kg: ±1g 3kg<m≤6kg: ±2g	m≤6kg: ±2g 6kg<m≤15kg: ±5g	m≤15kg: ±5g 15kg<m≤30kg: ±10g
Output	no			RS232		
Operation temperature	-10~40°C					
Power supply	rechargeable battery (6V/3.2Ah), power adapter (12V/500mA)					
Dimensions of pan	263×204mm					



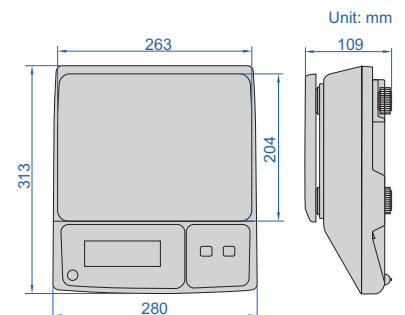
printer (optional)

## WEIGHING SCALES (HIGH PRECISION)

- LCD display, with backlight
- Zero-setting, subtracting tare value
- Overload alarm
- Automatic power off



8001-30



### SPECIFICATION

Code	8001-6	8001-15	8001-30	8001-6D	8001-15D	8001-30D
Maximum weighing	6kg	15kg	30kg	6kg	15kg	30kg
Minimum weighing	4g	10g	20g	4g	10g	20g
Resolution (d)	0.2g	0.5g	1g	0.2g	0.5g	1g
Accuracy (m is load)	m≤1kg: ±1g 1kg<m≤4kg: ±2g m>4kg: ±3g	m≤2.5kg: ±2.5g 2.5kg<m≤10kg: ±5g m>10kg: ±7.5g	m≤5kg: ±5g 5kg<m≤20kg: ±10g m>20kg: ±15g	m≤1kg: ±1g 1kg<m≤4kg: ±2g m>4kg: ±3g	m≤2.5kg: ±2.5g 2.5kg<m≤10kg: ±5g m>10kg: ±7.5g	m≤5kg: ±5g 5kg<m≤20kg: ±10g m>20kg: ±15g
Units	kg, lb			kg		
Output	no			RS232		
Operation temperature	-10~40°C					
Power supply	rechargeable lead acid battery (6V/3.2Ah)					
Dimensions of pan	263×204mm					

### OPTIONAL ACCESSORY (for scales with RS232)

Printer	8001-PRINTER
Data output cable (keyboard format)	7302-8001 page 22
Wireless transmitter (receiver is needed)	7315-8001 page 8



## COUNTING SCALES

37

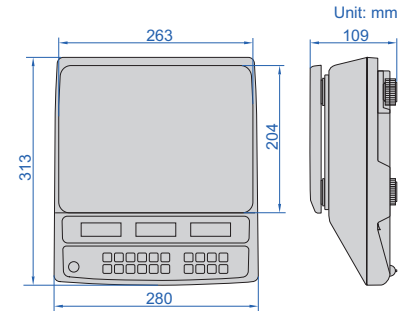


printer (optional)

- LCD display, with backlight
- Zero-setting, subtracting tare value, counting, accumulation, checking alarm
- Overload alarm
- Units: kg, g, lb, tj, hj, lb-oz



8101-30



### SPECIFICATION

Code	8101-6	8101-15	8101-30	8101-6D	8101-15D	8101-30D
Maximum weighing	6kg	15kg	30kg	6kg	15kg	30kg
Minimum weighing	4g	10g	20g	4g	10g	20g
Resolution (d)	0.2g	0.5g	1g	0.2g	0.5g	1g
Accuracy (m is load)	m≤1kg: ±1g 1kg<m≤4kg: ±2g m>4kg: ±3g	m≤2.5kg: ±2.5g 2.5kg<m≤10kg: ±5g m>10kg: ±7.5g	m≤5kg: ±5g 5kg<m≤20kg: ±10g m>20kg: ±15g	m≤1kg: ±1g 1kg<m≤4kg: ±2g m>4kg: ±3g	m≤2.5kg: ±2.5g 2.5kg<m≤10kg: ±5g m>10kg: ±7.5g	m≤5kg: ±5g 5kg<m≤20kg: ±10g m>20kg: ±15g
Output	no			RS232		
Operation temperature	-10~40°C					
Power supply	rechargeable battery (6V/3.2Ah), power adapter (12V/500mA)					
Dimensions of pan	263×204mm					

### OPTIONAL ACCESSORY (for scales with RS232)

Printer **8001-PRINTER**

## WEIGHING SCALES (ECONOMIC TYPE)



- Unit: g, oz, lb, tl



8003-3

### SPECIFICATION

Code	8003-3	8003-6	8003-10
Maximum weighing	3kg	6kg	10kg
Minimum weighing	2g	10g	20g
Resolution (d)	0.1g	0.5g	1g
Accuracy	±0.5g	±2.5g	±5g
Weighing pan size	157×157mm		
Operation temperature	5~35°C		
Power supply	2×AAA batteries, power adapter		
Dimension (L×W)	160×225mm		

ATTENTION:  
LOW ACCURACY

## ELECTRONIC POCKET SCALE (ECONOMIC TYPE)

- LCD display, with backlight
- Zero-setting, subtracting tare value, counting
- Overload alarm
- Automatic power off



8602-200

### SPECIFICATION

Code	8602-200
Maximum weighing	200g
Minimum weighing	0.2g
Resolution (d)	0.02g
Accuracy (m is load)	0.2g≤m≤2g: ±0.06g; 2g<m≤60g: ±0.1g 60g<m≤100g: ±0.14g; m>100g: ±0.28g
Units	g, oz, dwt, ozt
Dimension of pan	55×64mm
Dimension (L×W×H)	120×70×17mm
Operation temperature	-10~40°C
Power supply	2×CR2032 batteries

use of pan



ATTENTION:  
LOW ACCURACY

## ELECTRONIC POCKET SCALE (ECONOMIC TYPE)

- LCD display, with backlight
- Zero-setting, subtracting tare value, counting
- Overload alarm
- Automatic power off



8601-100

### SPECIFICATION

Code	8601-100
Maximum weighing	100g
Minimum weighing	0.1g
Resolution (d)	0.01g
Accuracy (m is load)	0.1g≤m≤1g: ±0.03g; 1g<m≤30g: ±0.05g 30g<m≤50g: ±0.07g; m>50g: ±0.14g
Units	g, oz, dwt, ozt
Dimension of pan	55×64mm
Dimension (L×W×H)	108×65×21mm
Operation temperature	-10~40°C
Power supply	2×AAA batteries

use of pan



## PLATFORM SCALES

DATA  
OUTPUT

CAN BE  
CUSTOMIZED

37

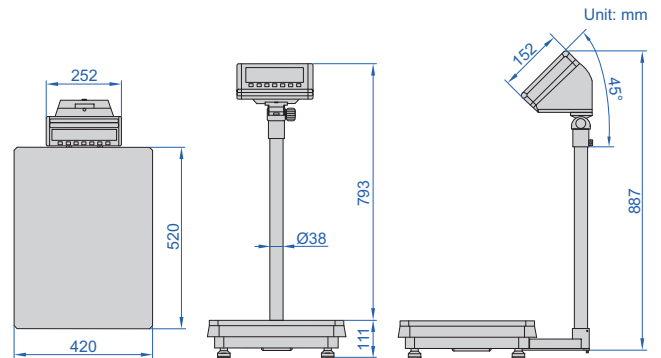


8501-AL150



printer (optional)

- LCD large screen display with LED backlight
- Weighing, overweight alarm, counting, keyboard lock, accumulating, auto zero and animal scale
- Unit: kg, g, lb, oz



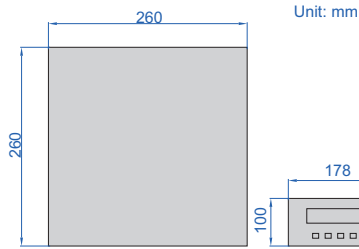
### SPECIFICATION

Code	8501-AL60	8501-AL150	8501-AL300
Maximum weighing	60kg	150kg	300kg
Minimum weighing	100g	200g	400g
Resolution (d)	5g	10g	20g
Accuracy	±10g	±20g	±30g
Operation temperature	-10~40°C		
Material	platform: stainless steel, base: die-cast aluminum		
Dimension of platform	420×520mm		
Power supply	rechargeable lead acid battery (6V/4Ah)		
Output	RS232		
Weight	18.3kg		

### OPTIONAL ACCESSORY

Printer	8001-PRINTER
Data output cable (keyboard format)	7302-8001 page 22
Wireless transmitter (receiver is needed)	7315-8001 page 8

## PARCEL SCALES



8502-30

- Weighting, counting, subtracting tare value
- LED display, adjustable brightness
- Low voltage indication
- Automatic power off
- Overload indication
- Unit: kg, lb

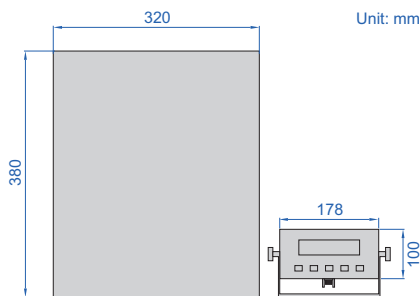
### OPTIONAL ACCESSORY

Cast iron weights	8913
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### SPECIFICATION

Code	8502-30	8502-50	8502-60	8502-75
Maximum weighing	30kg	50kg	60kg	75kg
Minimum weighing	2g	20g	20g	20g
Resolution (d)	m≤3kg: 0.1g; 3kg<m≤30kg: 1g	1g	1g	1g
Accuracy (m is load)	m≤3kg: ±0.3g; 3kg<m≤30kg: ±3g	±3g	±3g	±3g
Weight of calibration	20kg	50kg	50kg	50kg
Weighing pan size	260×260mm			
Material	platform: ABS plastic, base: die-cast aluminum			
Operation temperature	5~35°C			
Operation humidity	30%~80%RH			
Power supply	power adapter (6V/300mA) or 4×1.5V AA batteries			

## PARCEL SCALES



8503-30

- Weighting, counting, subtracting tare value
- LCD display, with backlight
- Overload indication
- Automatic power off
- Low voltage indication
- Unit: kg, lb

### OPTIONAL ACCESSORY

Cast iron weights	8913
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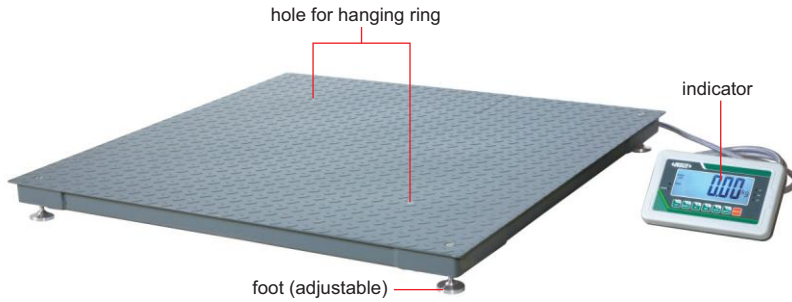
### SPECIFICATION

Code	8503-30	8503-60	8503-120	8503-200
Maximum weighing	30kg	60kg	120kg	200kg
Minimum weighing	20g	100g	200g	400g
Resolution (d)	1g	5g	10g	20g
Accuracy	±3g	±15g	±30g	±60g
Weight of calibration	20kg	50kg	100kg	200kg
Weighing pan size	320×380mm			
Material	platform: stainless steel, base: die-cast aluminum			
Operation temperature	5~35°C			
Operation humidity	30%~80%RH			
Power supply	power adapter (6V/300mA) or 4×1.5V AA batteries			

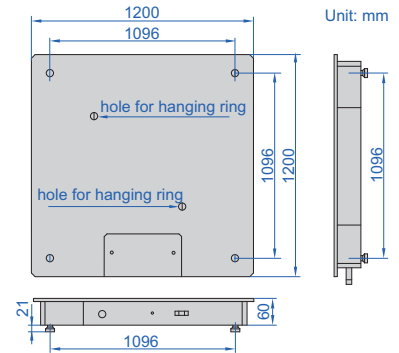
## FLOOR SCALES

DATA  
OUTPUT

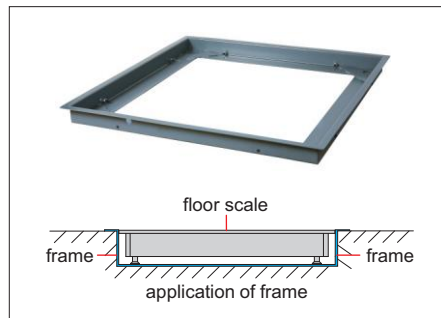
37



8401-1T1212



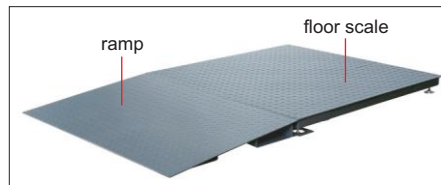
- LCD large screen display with automatic backlight
- Zero, overweight alarm, deduction, unit conversion, accumulating, animal scale, etc.
- Unit: kg, g, lb, oz
- OIML approved load cell



frame (optional)



stand (optional)



ramp (optional)



printer (optional)

### SPECIFICATION

Code	8401-1T1212	8401-2T1212	8401-3T1212
Maximum weighing	1t	2t	3t
Minimum weighing	10kg	20kg	20kg
Resolution (d)	0.5kg	1kg	1kg
Verification interval (e)	0.5kg	1kg	1kg
Accuracy (m is load)	m≤250kg: ±0.25kg; 250kg<m≤1000kg: ±0.5kg	m≤500kg: ±0.5kg; 500kg<m≤2000kg: ±1kg; m>2000kg: ±1.5kg	
Load cell	4 pcs 350Ω		
Operation temperature	-10~40°C		
Material	mild steel		
Dimension of platform	1200×1200mm		
Power supply	rechargeable lead acid battery (6V/4Ah)		
Output	RS232		
Weight	140kg		

### STANDARD DELIVERY

Main unit	1 pc
Indicator	1 pc
AC/DC adapter	1 pc
Stainless steel foot	4 pcs
Hanging ring	2 pcs

### OPTIONAL ACCESSORY

Ramp	8401-1212-1
Frame	8401-1212-2
Stand	8401-STAND
Printer	8001-PRINTER