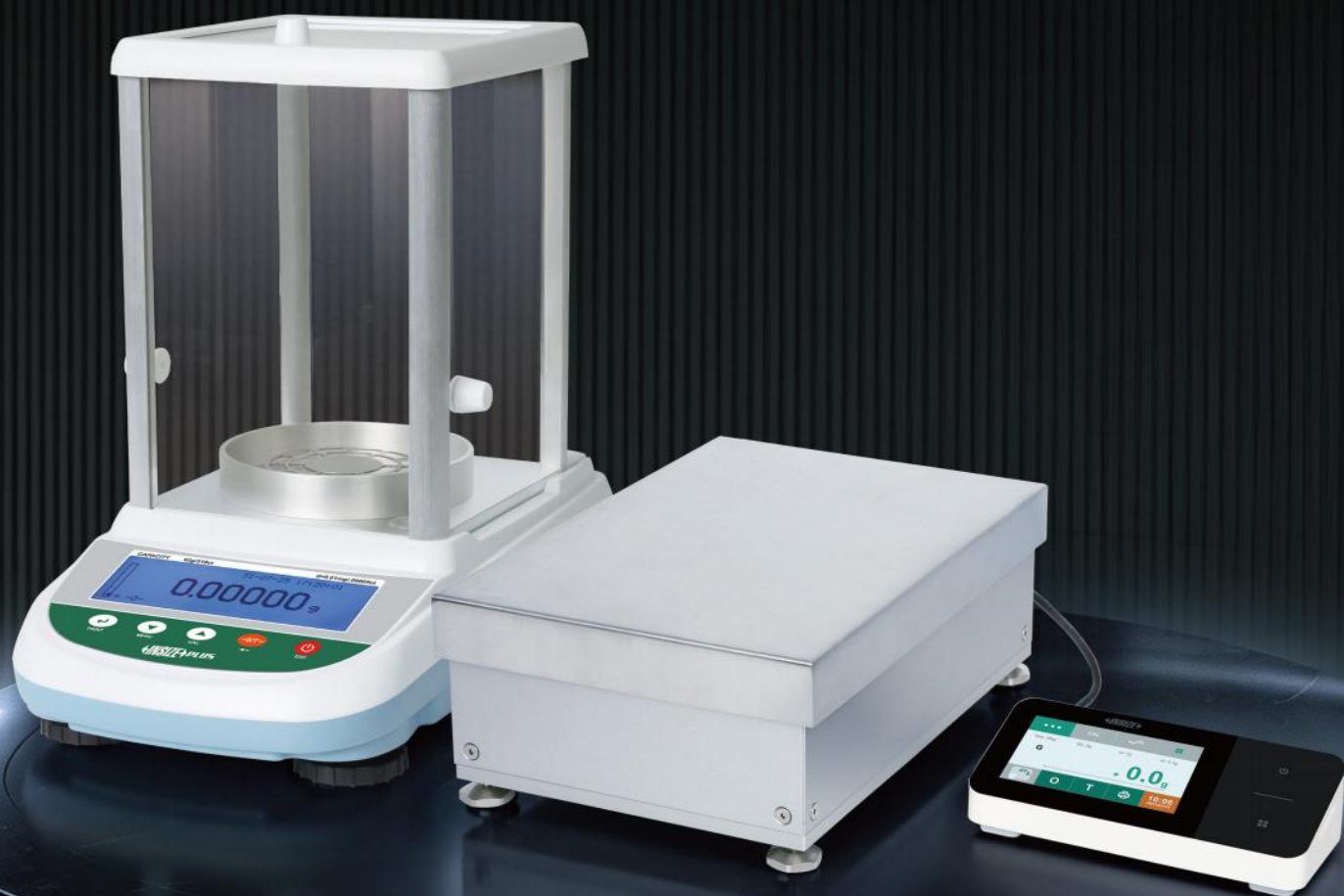




MEASUREMENT SOLUTION PROVIDER



SCALES & BALANCES

CATALOGUE NO. SC-E02

Laboratory Electronic Balances

Microscopic insights for scientific research

- » Positioning: Laboratory-grade ultra-precision weighing instruments
- » Core Advantage: Extreme precision and functional expandability





Application scenarios :



>> *Pharmaceutical industry*

In the pharmaceutical quality inspection process, electronic balances provide highly accurate weighing data through digital display and data logging functions, reducing human error. Its dust-proof, moisture-proof and clean and hygienic features make it an ideal choice for pharmaceutical weighing and testing.



>> *Food industry*

Food processing and inspection requires accurate weighing and measurement to ensure product quality and safety. The high accuracy and digitization capabilities of electronic balances can improve productivity and product quality.



>> *Scientific research*

Electronic balances are commonly used for precise measurement of reagent ratios and excipients to ensure the accuracy and reliability of experiments.



>> *Higher education laboratories*

With the high demand for accuracy and certainty in university laboratories, electronic balances have become an important tool in substance detection, analysis and chemistry experiments.

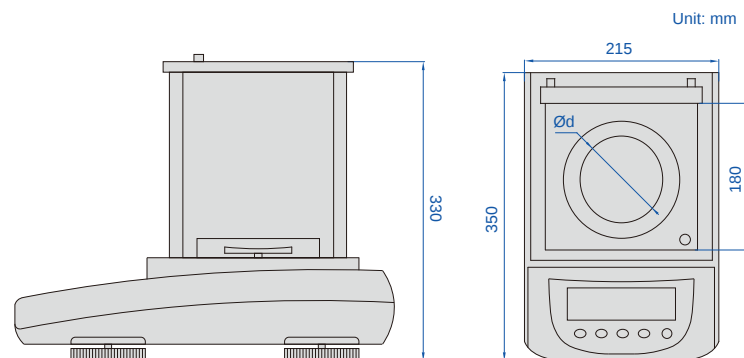
INSIZE Quick-Finder:

Resolution (d)	Weighing capacity	Internal calibration	Dimension of pan	Code
0.00001g	62g	√	Ø80mm	8313-62A
0.00001g	42g	√	Ø80mm	8313-42A
0.0001g	310g	√	Ø80mm	8312-310A
0.0001g	220g	—	Ø80mm	8312-220
0.0001g	220g	√	Ø80mm	8312-220A
0.0001g	220g	—	Ø80mm	8311-220
0.0001g	120g	—	Ø80mm	8312-120
0.0001g	120g	√	Ø80mm	8312-120A
0.0001g	120g	—	Ø80mm	8311-120
0.0001g	60g	—	Ø80mm	8311-60
0.001g	2020g	—	Ø120mm	8303-2020
0.001g	1520g	√	Ø120mm	8319-1520
0.001g	1520g	—	Ø120mm	8303-1520
0.001g	1520g	√	Ø120mm	8102-1520
0.001g	1020g	√	Ø120mm	8319-1020
0.001g	1020g	—	Ø120mm	8303-1020
0.001g	1020g	√	Ø120mm	8102-1020
0.001g	620g	√	Ø90mm	8319-620
0.001g	620g	—	Ø80mm	8303-620
0.001g	620g	√	Ø90mm	8102-620

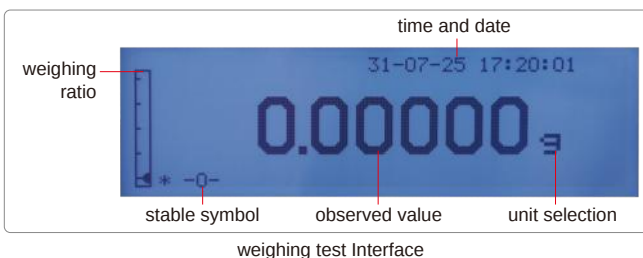
Resolution (d)	Weighing capacity	Internal calibration	Dimension of pan	Code
0.001g	520g	√	Ø90mm	8319-520
0.001g	520g	—	Ø80mm	8303-520
0.001g	520g	√	Ø90mm	8102-520
0.001g	320g	√	Ø90mm	8319-320
0.001g	320g	—	Ø80mm	8303-320
0.001g	320g	√	Ø90mm	8102-320
0.001g	220g	√	Ø90mm	8319-220
0.001g	220g	—	Ø80mm	8303-220
0.001g	220g	√	Ø90mm	8102-220
0.01g	5000g	—	156×156mm	8318-5000F
0.01g	5000g	—	168×168mm	8318-5000
0.01g	3200g	—	156×156mm	8318-3200F
0.01g	3200g	—	168×168mm	8318-3200
0.01g	2200g	—	156×156mm	8318-2200F
0.01g	2200g	—	168×168mm	8318-2200
0.01g	1200g	—	156×156mm	8318-1200F
0.01g	1200g	—	168×168mm	8318-1200
0.01g	620g	—	Ø133mm	8318-620F
0.01g	220g	—	Ø133mm	8318-220F



8313-62A



Unit: mm



weighing test Interface

SEMIMICRO ELECTRONIC BALANCES

INSIZE PLUS

DATA
OUTPUTHIGH
ACCURACYINTERNAL
CALIBRATION

- Downward-mounted electromagnetic sensor
- Aluminum alloy base, wind shield, three side glass sliding doors
- Zero-setting, weighing, subtracting tare value, counting
- Checking alarm, accumulation, animal scale, percentage display
- Peak (max.) and tracking mode
- Administrator permissions

- Recipe database: 99 recipes, up to 20 ingredients per recipe
- LCD display, with backlight
- Data output
- Automatic power off
- Unit: g, mg, ct, oz, ozt, dwt, mlb, GN, tj, gj, mo

SPECIFICATION

Code	8313-42A	8313-62A
Calibration method	internal calibration	
Weighing capacity	42g	62g
Minimal load	1mg	1mg
Readability (d)	0.01mg	0.01mg
Repeatability	±0.03mg	
Linearity	±0.08mg	
Stabilization time	6s	
Dimension of pan (Ød)	Ø80mm	
Output	RS232	
Operation temperature	18~23°C	
Operation humidity	20~85%RH	
Power supply	power adapter (24V/1A)	
Dimension (L×W×H)	350×215×345mm	

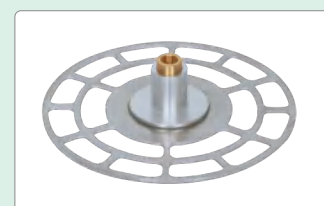
STANDARD DELIVERY

Electronic balance	1 pc
Grid weighing pan	1 pc
Wind protection ring	1 pc
Gloves	1 pair

OPTIONAL ACCESSORY

RS232 cable	8311-CABLE*
Portable ioniser	8312-PI
Printer	8391-PRN10

*Used to connect with computers



grid weighing pan (included)



wind protection ring (included)



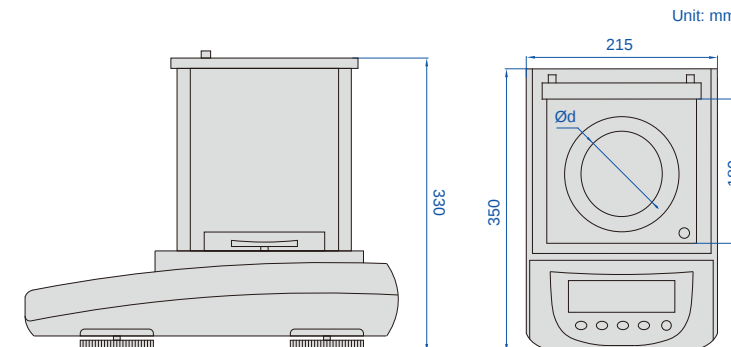
printer (optional)



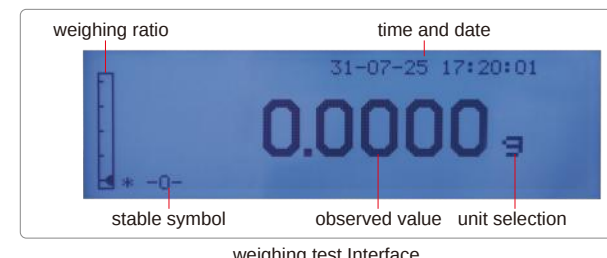
portable ioniser (optional)



8312-220



Unit: mm



weighing test Interface

ELECTRONIC ANALYTICAL BALANCES

INSIZE PLUS

DATA
OUTPUTHIGH
ACCURACY

- Downward-mounted electromagnetic sensor
- Aluminum alloy base, wind shield, three side glass sliding doors
- Zero-setting, weighing, subtracting tare value, counting
- Checking alarm, accumulation, animal scale, percentage display
- Peak (max.) and tracking mode
- Administrator permissions

- Recipe database: 99 recipes, up to 20 ingredients per recipe
- LCD display, with backlight
- Data output
- Automatic power off
- Unit: g, mg, ct, oz, ozt, dwt, mlb, GN, tj, gj, mo

SPECIFICATION

Code	8312-120	8312-220	8312-120A	8312-220A	8312-310A
Calibration method	external calibration		internal calibration		
Weighing capacity	120g	220g	120g	220g	310g
Minimal load	10mg	10mg	10mg	10mg	10mg
Readability (d)	0.1mg	0.1mg	0.1mg	0.1mg	0.1mg
Repeatability	±0.1mg				
Linearity	±0.3mg				
Stabilization time	2.5s				
Dimension of pan (Ød)	Ø80mm				
Output	RS232				
Operation temperature	18~23°C				
Operation humidity	20~85%RH				
Power supply	power adapter (24V/1A)				
Dimension (L×W×H)	350×215×345mm				

OPTIONAL ACCESSORY

RS232 cable	8311-CABLE*
Portable ioniser	8312-PI
Printer	8391-PRN10

*Used to connect with computers



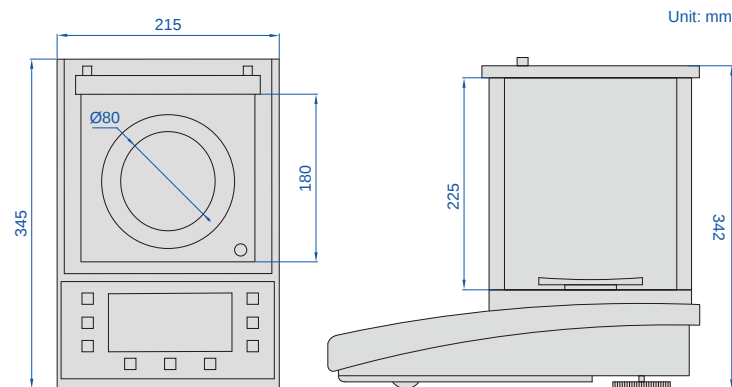
printer (optional)



portable ioniser (optional)



8311-220



Unit: mm

class F1 calibration
weight (included)

printer (optional)

ELECTRONIC ANALYTICAL BALANCES (BASIC TYPE)

DATA OUTPUT

- Downward-mounted electromagnetic sensor
- Aluminum alloy base, wind shield, three side glass sliding doors
- Zero-setting, weighing, subtracting tare value, simple counting
- LCD display, with backlight
- Data output
- Unit: g, ct, oz, ozt

SPECIFICATION

Code	8311-60	8311-120	8311-220
Weighing capacity	60g	120g	220g
Minimal load	10mg	10mg	10mg
Readability (d)	0.1mg	0.1mg	0.1mg
Repeatability	±0.5mg		
Linearity	±0.5mg		
Stabilization time	2.5s		
Dimension of pan (Ød)	Ø80mm		
Output	RS232		
Operation temperature	10~30°C		
Operation humidity	20~85%RH		
Power supply	power adapter (12V/1A)		
Dimension (L×W×H)	345×215×342mm		

STANDARD DELIVERY

Main unit	1 pc
Calibration weight	1 pc

OPTIONAL ACCESSORY

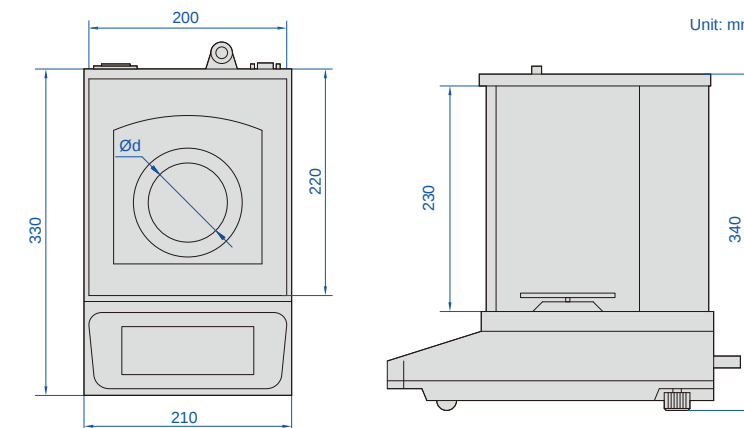
RS232 cable	8311-CABLE*
Data output cable (keyboard format)	7302-8311
Wireless transmitter	7315-8311**
Printer	8391-PRN10

*Used to connect with computers

**Receivers are needed: code 7315-2/3/6/7/8/9



8319-320



Unit: mm

class F1 calibration
weight (included)

printer (optional)

ELECTRONIC PRECISION BALANCES

DATA OUTPUT

TOUCH SCREEN

INTERNAL CALIBRATION

- Electromagnetic balanced sensor
- Built-in calibration weights, automatic internal calibration
- Aluminum alloy shell, wind shield, three side glass sliding doors
- Zero-setting, weighing, subtracting tare value, simple counting
- Animal scale, percentage display, density detection
- Large touchscreen display
- Data output
- Unit: g, ct, ozt, oz, GN, dwt, mg
- With a hook at the bottom



VIDEO

SPECIFICATION

Code	8319-220	8319-320	8319-520	8319-620	8319-1020	8319-1520
Weighing capacity	220g	320g	520g	620g	1020g	1520g
Minimal load	20mg	20mg	100mg	100mg	100mg	100mg
Readability (d)	1mg	1mg	1mg	1mg	1mg	1mg
Repeatability	±2mg	±2mg	±2mg	±2mg	±3mg	±3mg
Linearity	±3mg	±3mg	±3mg	±3mg	±4mg	±5mg
Stabilization time	2s		3s			5s
Dimension of pan (Ød)	Ø90mm				Ø120mm	
Output	RS232					
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

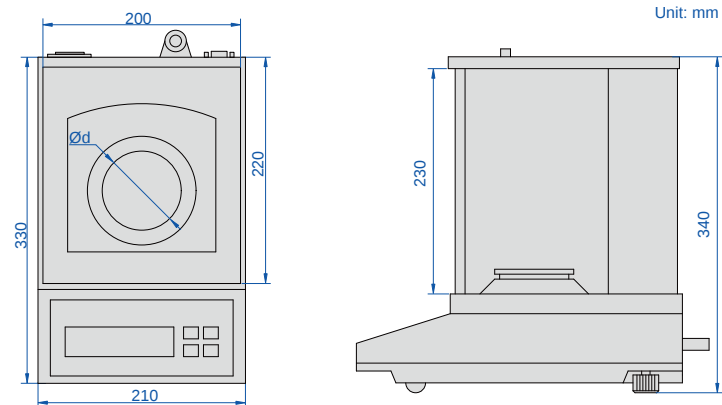
RS232 cable	8301-CABLE*
Printer	8391-PRN10
Data output cable (keyboard format)	7302-8301
Wireless transmitter	7315-8301**

*Used to connect with computers

**Receivers are needed: code 7315-2/3/6/7/8/9



8303-520



Unit: mm

class F1 calibration
weight (included)

printer (optional)

ELECTRONIC PRECISION BALANCES

DATA OUTPUT

- Electromagnetic balanced sensor
- Aluminum alloy shell, wind shield, three side glass sliding doors
- Zero-setting, weighing, subtracting tare value, simple counting
- LCD display, with backlight
- Data output
- Unit: g, ct, ozt, oz, GN, dwt, mg
- With a hook at the bottom

SPECIFICATION

Code	8303-220	8303-320	8303-520	8303-620	8303-1020	8303-1520	8303-2020
Weighing capacity	220g	320g	520g	620g	1020g	1520g	2020g
Minimal load	20mg	20mg	100mg	100mg	100mg	100mg	100mg
Readability (d)	1mg	1mg	1mg	1mg	1mg	1mg	1mg
Repeatability	±2mg	±2mg	±2mg	±2mg	±3mg	±3mg	±4mg
Linearity	±3mg	±3mg	±3mg	±3mg	±4mg	±5mg	±5mg
Stabilization time	2s		3s			5s	
Dimension of pan (Ød)	Ø80mm				Ø120mm		
Output	RS232						
Operation temperature	15~30℃		18~23℃				
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*
Data output cable (keyboard format)	7302-8301
Wireless transmitter	7315-8301**
Printer	8391-PRN10

*Used to connect with computers

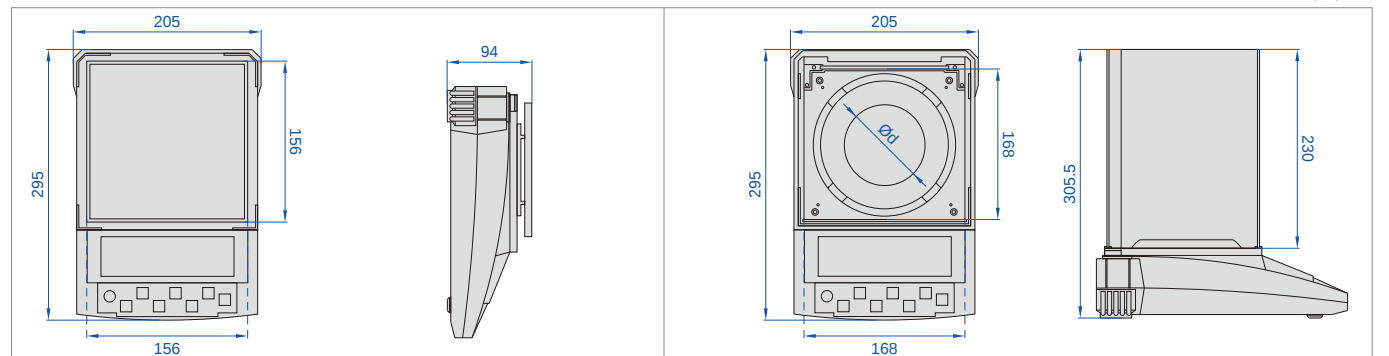
**Receivers are needed: code 7315-2/3/6/7/8/9



8318-1200



8318-1200F



Unit: mm

MULTIFUNCTIONAL ELECTRONIC BALANCES

DATA
OUTPUTCAN BE
CUSTOMIZEDAUTOMATICALLY LOCK THE CURRENT APP MODE
WHEN THE DEVICE IS SWITCHED ON OR OFF

- Zero-setting, weighing, subtracting tare value, counting
- Accumulation, animal scale, percentage display
- Peak (max.) and tracking mode
- Upper and lower limit alarms: quantity, weight
- LCD display
- Data output
- Unit: g, ct, oz, ozt, dwt, GN, lb, N, dr, t(ola), ms, bat, mo, kg
- With a hook at the bottom

Code	Weighing capacity	Minimal load	Readability(d)	Repeatability	Linearity	Stabilization time
8318-220F	220g	0.2g	0.01g	±0.01g	±0.02g	1.5s
8318-620F	620g	0.5g	0.01g	±0.01g	±0.02g	1.5s
8318-1200F	1200g	0.5g	0.01g	±0.01g	±0.02g	1.5s
8318-2200F	2200g	0.5g	0.01g	±0.02g	±0.02g	2s
8318-3200F	3200g	0.5g	0.01g	±0.02g	±0.03g	2s
8318-5000F	5000g	0.5g	0.01g	±0.03g	±0.04g	2s
8318-1200	1200g	0.5g	0.01g	±0.01g	±0.02g	1.5s
8318-2200	2200g	0.5g	0.01g	±0.02g	±0.02g	2s
8318-3200	3200g	0.5g	0.01g	±0.02g	±0.03g	2s
8318-5000	5000g	0.5g	0.01g	±0.03g	±0.04g	2s

SPECIFICATION

Output	RS232
Operation temperature	0~40°C
Operation humidity	≤80%RH
Power supply	220V, 50/60Hz

Continued from previous page

Code	Windshield	Dimension of pan	Hydrostatic stand	Density accessories	Class M1 calibration weight (included)	Dimension (L×W×H)
8318-220F	included	Ø133mm	—	optional	200g 1 pc	295×205×305mm
8318-620F	included	Ø133mm	—	optional	500g 1 pc	295×205×305mm
8318-1200F	included	156×156mm	optional	—	500g 1 pc	295×205×305mm
8318-2200F	included	156×156mm	optional	—	1000g 1 pc	295×205×305mm
8318-3200F	included	156×156mm	optional	—	1000g 2 pcs	295×205×305mm
8318-5000F	included	156×156mm	optional	—	1000g 2 pcs	295×205×305mm
8318-1200	—	168×168mm	optional	—	500g 1 pc	295×205×94mm
8318-2200	—	168×168mm	optional	—	1000g 1 pc	295×205×94mm
8318-3200	—	168×168mm	optional	—	1000g 2 pcs	295×205×94mm
8318-5000	—	168×168mm	optional	—	1000g 2 pcs	295×205×94mm

Measurement functions:



Percentage

Operator place the reference sample that corresponds to 100% onto weighing pan, the other samples will display the weighing result as %. Operator can input the sample value or weighing the sample value and input it.



Counting

Use this function can calculate the quantity with total weight divide by signal weight.



Check weighing

Weighing the target sample's weight or quantity in or out the setting limit and alarm.



Accumulation

Weighing and accumulating the several sample's total weight and tracing the detail data.



Taring

To weigh and display the sample's gross weight, net weight and tare weight intuitively.



Animal weighing

Operator can use this program to measure dynamic weight. The dynamic weighing way is summarize the weighing result from setting time and average it.



Density

Use this function can calculate the solid or liquid material's density (powder density cannot be tested, no density components are supplied as standard)



Peak holding

Sensing and saving the max weight during weighing, hold and display it.

density accessories (optional, applicable for measuring solid density with $\rho > 1\text{g/cm}^3$)



STANDARD DELIVERY

Main unit	1 pc
Calibration weight	1 pc
RS232 cable	1 pc

OPTIONAL ACCESSORY

RS232 cable	8318-CABLE*
Printer	8318-PRINTER
Hydrostatic stand	8318-HWS
Density accessories	8318-DH

*Used to connect with computers



class M1 calibration weight (included)



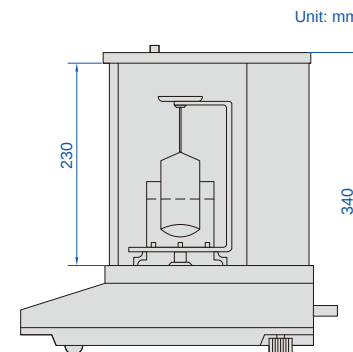
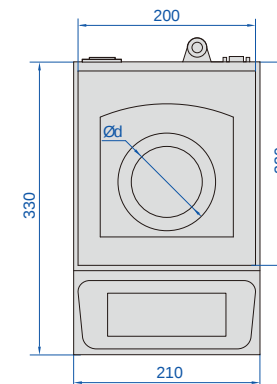
printer (optional)



hydrostatic stand (optional)



8102-320



Unit: mm

density accessories (included)



class F1 calibration weight (included)



printer (optional)



holder



cylinder



sunken basket



floating basket



fix bracket



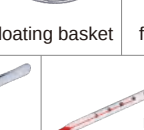
hook auxiliary



10mL sinker



nipper



mercury thermometer

ELECTRONIC DENSITY BALANCES

DATA OUTPUT TOUCH SCREEN INTERNAL CALIBRATION

- Electromagnetic balanced sensor
- Built-in calibration weights, automatic internal calibration
- Aluminum alloy shell, wind shield, three side glass sliding doors
- Suitable for measuring the density of solids and liquids
- Zero-setting, weighing, subtracting tare value, simple counting

- Animal scale, percentage display
- Large touchscreen display
- Data output
- Unit: g, ct, ozt, oz, GN, dwt, mg
- With a hook at the bottom



VIDEO

SPECIFICATION

Code	8102-220	8102-320	8102-520	8102-620	8102-1020	8102-1520
Weighing capacity	220g	320g	520g	620g	1020g	1520g
Minimal load	20mg	20mg	100mg	100mg	100mg	100mg
Readability (d)	1mg	1mg	1mg	1mg	1mg	1mg
Repeatability	±2mg	±2mg	±2mg	±2mg	±3mg	±3mg
Linearity	±3mg	±3mg	±3mg	±3mg	±4mg	±5mg
Stabilization time	2s		3s		5s	
Dimension of pan (Ød)	Ø90mm				Ø120mm	
Output	RS232					
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
Density accessories	1 set

OPTIONAL ACCESSORY

RS232 cable	8301-CABLE*
Data output cable (keyboard format)	7302-8301
Wireless transmitter	7315-8301**
Printer	8391-PRN10
Infrared and penetration thermometer	0321-IT42

*Used to connect with computers

**Receivers are needed: code 7315-2/3/6/7/8/9



Moisture Analyzers

Professional-grade rapid moisture measurement solutions

» Positioning: Specialised moisture content analyser

» Core Advantage: Choice of two heat sources, precise temperature control and fast measurement



Application scenarios :



>> Food industry

Controls moisture in raw materials and finished products to determine taste and shelf life, preventing mold and spoilage.



>> Agriculture & Grain

Used for field maturity testing, purchase grading, and storage monitoring to prevent stored grain from heating and molding.



>> Pharmaceuticals

Ensures drug stability and efficacy by preventing moisture absorption and hydrolysis, safeguarding patient safety.



>> Chemical & New energy

Controls material moisture content to prevent product defects and ensure the safety of high-precision materials like batteries.

INSIZE Quick-Finder :

Resolution (d)	Weighing capacity	Heating source	Code
0.001g	120g	halogen lamp	8701-RM30
0.001g	110g	infrared lamp	8702-110
0.005g	120g	halogen lamp	8701-RM20

SELECTION OF MOISTURE ANALYZERS

Basis for selection	Priority infrared lamp (8702-110)	Priority halogen lamp (8701 series)
Sample morphology	powder, paste, porous, complex composition, lumpy	hard lumps, large particles, flakes (primarily surface moisture)
Ingredient stability	containing heat-sensitive/volatile substances (e.g. foodstuffs, pharmaceuticals)	composition stable (inorganic materials, hard medicinal herbs)
Water distribution	internal/overall moisture content (requires thorough drying)	surface/shallow moisture (no need for deep drying)
Testing requirements	high precision, high efficiency, long-term stability (high-frequency testing)	localised rapid drying, low frequency, specific materials (such as bulk medicinal herbs)
Risk aversion	avoid localised overheating that may cause decomposition/evaporation of components, thereby compromising accuracy	avoid excessive drying caused by uniform heating (such as fibre brittleness)



MOISTURE ANALYZERS

DATA OUTPUT HEATING SOURCE: HALOGEN LAMP

- High sensitivity temperature and humidity sensor
- Ring halogen lamp heating evenly, shorten drying time
- Heating time and temperature are adjustable
- LCD display, with backlight
- Data output
- Unit: g, MC% (moisture content), DC% (dryness content), AD% (dryness ratio), AM% (moisture regain)

SPECIFICATION

Code		8701-RM20	8701-RM30
Weighing capacity		120g	120g
Readability (d)		5mg	1mg
Moisture readability		0.01%	0.01%
Repeatability for moisture	2g sample	±0.2%	±0.1%
	10g sample	±0.1%	±0.05%
Heating source		halogen lamp	
Stabilization time		2.5s	
Dimension of pan		Ø90mm	
Range for heating temperature		60~200℃	
Operation temperature		13~25℃	
Heating mode		standard heating, step heating, rapid heating	
Shutdown mode		automatic shutdown, manual shutdown, timed shutdown	
Output		RS232	
Power supply		220V, 50/60Hz	
Dimension (L×W×H)		330×210×340mm	

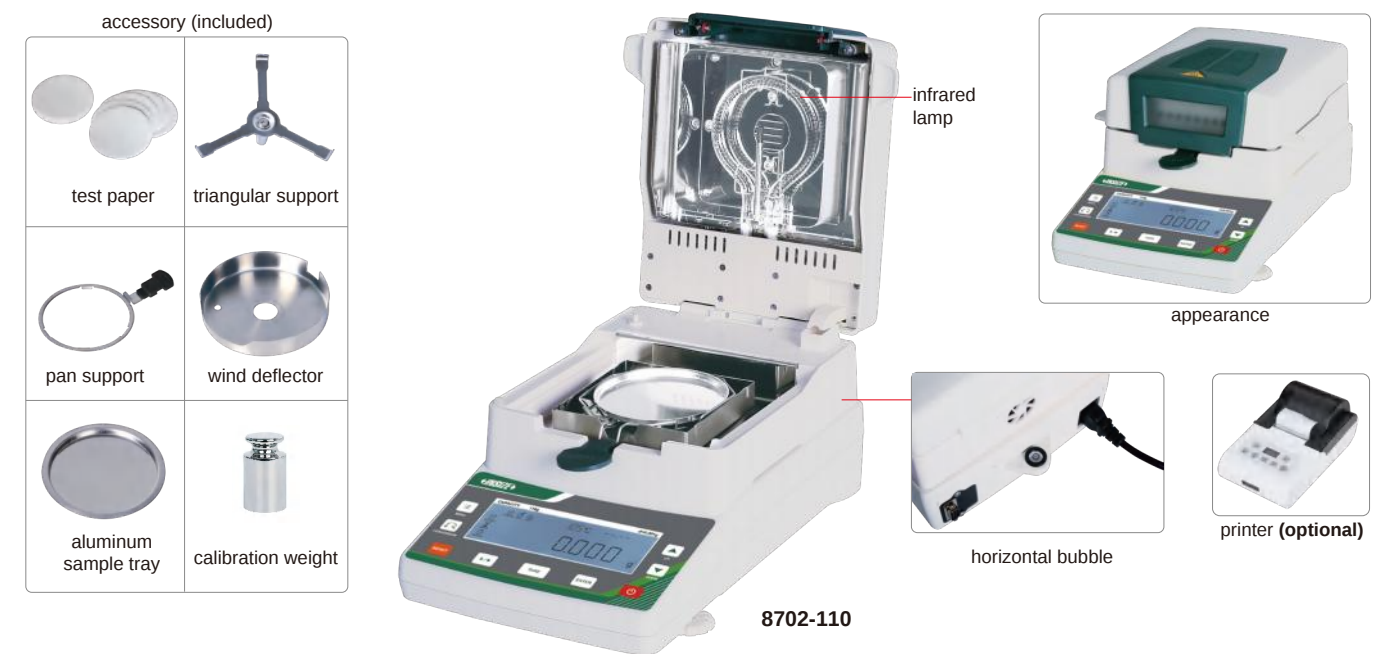
STANDARD DELIVERY

Main unit	1 pc
Calibration weight	1 pc
Triangular support	1 pc
Pan support	1 pc
Wind deflector	1 pc
Stainless steel sample tray	2 pcs

OPTIONAL ACCESSORY

RS232 cable	8304-CABLE*
Printer	8303-PRINTER
Aluminum sample tray (50pcs)	8702-ALP
Test paper (50pcs)	8702-PAPER
Stainless steel sample tray (1pc)	8701-SSP

*Used to connect with computers

INFRARED MOISTURE ANALYZER
CODE 8702-110

DATA OUTPUT HIGH ACCURACY HEATING SOURCE: HALOGEN LAMP

- Cast aluminium housing, multi-layer stainless steel heating chamber
- Radiation-proof, interference-resistant
- Capable of storing multiple drying process sequences
- Heating time and temperature are adjustable
- LCD display, with backlight
- Data output
- Unit: g, MC% (moisture content), DC% (dryness content)

SPECIFICATION

Weighing capacity		110g
Readability (d)		1mg
Moisture readability		0.01%
Repeatability for moisture	2g sample	±0.06%
	10g sample	±0.02%
Heating source		infrared lamp
Temperature sensor		high-precision thermoresistors
Stabilization time		2.5s
Dimension of pan		Ø90 mm
Range for heating temperature		40~160°C
Operation temperature		15~30°C
Heating mode		standard heating, rapid heating, gentle heating
Shutdown mode		automatic shutdown, manual shutdown, timed shutdown
Output		RS232
Power supply		220V, 50/60Hz
Dimension (L×W×H)		365×235×185mm

STANDARD DELIVERY

Main unit	1 pc
Calibration weight	1 pc
Triangular support	1 pc
Pan support	1 pc
Wind deflector	1 pc
Aluminum sample tray	50 pcs
Test paper	50 pcs

OPTIONAL ACCESSORY

RS232 cable	8306-CABLE*
Printer	8306-PRINTER
Thermocouple thermometers	0326-CT31
Aluminum sample tray (50 pcs)	8702-ALP
Test paper (50 pcs)	8702-PAPER

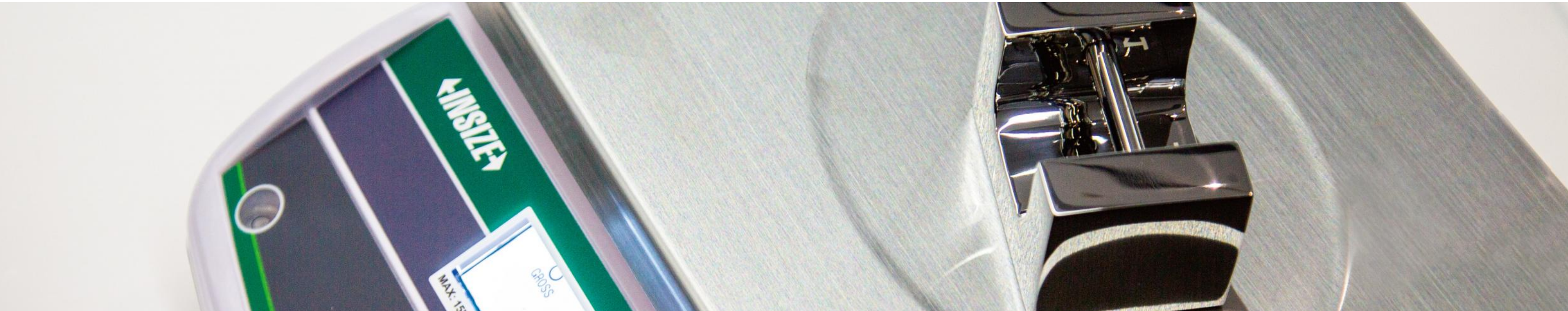
*Used to connect with computers



Industrial Electronic Balances

Precision guards in efficient production

- » Positioning: High precision weighing equipment for industrial production scenarios
- » Core Advantage: Balance of stability and environmental adaptability



Application scenarios :



» Manufacturing industries

In the production of automotive parts and electronic components, industrial balances are used for raw material proportioning and sampling of finished products to ensure that product quality meets ISO standards.



» Logistics industry

Industrial scales play an important role in logistics sorting. The express delivery industry relies on high-precision scales to achieve automatic sorting calculations and optimize loading solutions.



» Laboratory & Medical

In drug research and development, high-precision industrial balances are used to accurately weigh chemical reagents and drug components to ensure the accuracy and repeatability of experiments. In the medical field, high-precision balances are used to accurately control dialysis fluid and nutrient configuration to ensure patient safety.



» Food industry

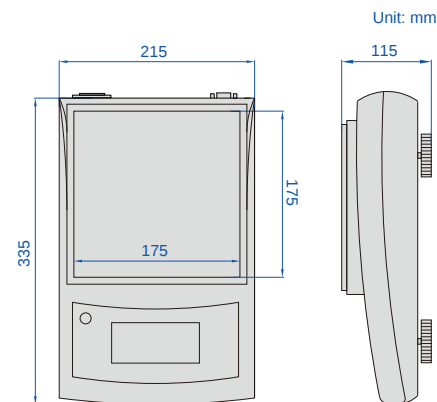
Electronic balances are used in food production and processing for accurate weighing and measurement to ensure product quality and safety. Its high precision and digitalization function can effectively improve production efficiency and product quality.

INSIZE Quick-Finder :

Resolution (d)	Weighing capacity	Dimension of pan	Code	Resolution (d)	Weighing capacity	Dimension of pan	Code	Resolution (d)	Weighing capacity	Dimension of pan	Code
0.01g	6000g	175×175mm	8315-6000	0.1g	35000g	360×250mm	8309-35	0.1g	3000g	300×205mm	8106-3KG
0.01g	6000g	205×190mm	8305-6000	0.1g	30000g	300×224mm	8308-30KB	0.2g	30000g	300×225mm	8307-30K
0.01g	5000g	175×175mm	8315-5000	0.1g	30000g	360×250mm	8309-30	0.2g	15000g	300×225mm	8307-15KA
0.01g	5000g	205×190mm	8305-5000	0.1g	20000g	315×230mm	8306-20A	0.2g	6000g	300×225mm	8307-6KB
0.01g	3000g	175×175mm	8315-3000	0.1g	20000g	315×230mm	8306-20AD	0.5g	15000g	300×224mm	8308-15K
0.01g	3000g	205×190mm	8305-3000	0.1g	20000g	300×224mm	8308-20KB	0.5g	6000g	300×224mm	8308-6KA
0.01g	2000g	175×175mm	8315-2000	0.1g	20000g	360×250mm	8309-20	0.5g	3000g	300×224mm	8308-3KA
0.01g	2000g	205×190mm	8305-2000	0.1g	16000g	360×250mm	8309-16	1g	30000g	315×230mm	8306-30
0.01g	1500g	Ø115mm	8317-1500	0.1g	15000g	315×230mm	8306-15A	1g	30000g	315×230mm	8306-30D
0.01g	1200g	Ø135mm	8301-1200	0.1g	15000g	315×230mm	8306-15AD	1g	30000g	300×225mm	8307-30KB
0.01g	1000g	Ø135mm	8305-1000	0.1g	15000g	300×225mm	8307-15K	1g	30000g	300×224mm	8308-30K
0.01g	600g	145×125mm	8317-600	0.1g	10000g	315×230mm	8306-10A	1g	30000g	300×205mm	8106-30KG
0.01g	600g	Ø135mm	8301-600	0.1g	10000g	315×230mm	8306-10AD	1g	20000g	315×230mm	8306-20
0.01g	500g	Ø135mm	8305-500	0.1g	10000g	300×224mm	8308-10KB	1g	20000g	315×230mm	8306-20D
0.01g	300g	145×125mm	8316-300	0.1g	6000g	190×160mm	8301-6000	1g	20000g	300×224mm	8308-20K
0.01g	300g	145×125mm	8317-300	0.1g	6000g	300×225mm	8307-6KA	1g	20000g	300×205mm	8106-20KG
0.01g	300g	Ø135mm	8301-300	0.1g	6000g	300×224mm	8308-6K	1g	15000g	315×230mm	8306-15
0.01g	200g	Ø135mm	8305-200	0.1g	6000g	300×205mm	8106-6KG	1g	15000g	315×230mm	8306-15D
0.01g	150g	145×125mm	8316-150	0.1g	5000g	315×230mm	8306-5A	1g	15000g	300×224mm	8308-15KA
0.05g	35000g	360×250mm	8309-35A	0.1g	5000g	315×230mm	8306-5AD	1g	10000g	315×230mm	8306-10
0.05g	30000g	360×250mm	8309-30A	0.1g	3000g	190×160mm	8301-3000	1g	10000g	315×230mm	8306-10D
0.05g	20000g	360×250mm	8309-20A	0.1g	3000g	300×225mm	8307-3KB	1g	10000g	300×224mm	8308-10K
0.05g	16000g	360×250mm	8309-16A	0.1g	3000g	300×224mm	8308-3K	1g	10000g	300×205mm	8106-10KG
								5g	30000g	300×224mm	8308-30KA



8315-5000



ELECTRONIC BALANCES

DATA OUTPUT TOUCH SCREEN

- Electromagnetic balanced sensor
- Zero-setting, weighing, subtracting tare value, simple counting
- Accumulation, animal scale, percentage display
- 4.3-inch touch color screen
- Data output
- Unit: g, ct, oz, mg
- With a hook at the bottom



printer (optional)

SPECIFICATION

Code	8315-2000	8315-3000	8315-5000	8315-6000
Weighing capacity	2kg	3kg	5kg	6kg
Minimal load	0.5g	0.5g	0.5g	0.5g
Readability (d)	0.01g	0.01g	0.01g	0.01g
Repeatability	±0.01g	±0.01g	±0.02g	±0.02g
Linearity	±0.02g	±0.02g	±0.04g	±0.05g
Stabilization time	2s		3s	
Dimension of pan	175×175mm			
Output	RS232			
Operation temperature	0~40°C			
Operation humidity	≤80%RH			
Power supply	220V, 50/60Hz			
Dimension (L×W×H)	335×215×105mm			

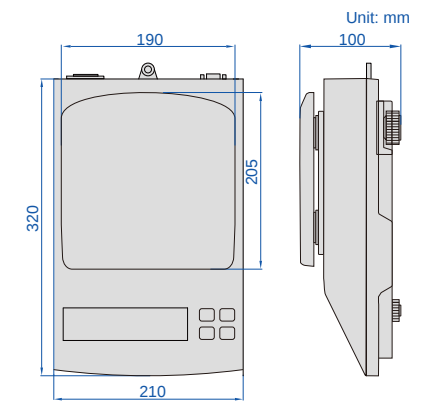
OPTIONAL ACCESSORY

RS232 cable	8315-CABLE*
Printer	8303-PRINTER

*Used to connect with computers



8305-2000



ELECTRONIC BALANCES (STANDARD TYPE)

DATA OUTPUT

- Zero-setting, weighing, subtracting tare value, simple counting
- LCD display, with backlight
- Data output
- Unit: g, ct, ozt, oz, GN, dwt, lb, kg
- With a hook at the bottom

SPECIFICATION

Code	8305-200	8305-500	8305-1000	8305-2000	8305-3000	8305-5000	8305-6000
Weighing capacity	200g	500g	1000g	2000g	3000g	5000g	6000g
Minimal load	0.2g	0.2g	0.2g	0.5g	0.5g	0.5g	0.5g
Readability (d)	0.01g	0.01g	0.01g	0.01g	0.01g	0.01g	0.01g
Repeatability	±0.01g	±0.01g	±0.01g	±0.02g	±0.02g	±0.03g	±0.03g
Linearity	±0.01g	±0.01g	±0.02g	±0.03g	±0.04g	±0.05g	±0.05g
Stabilization time	2s			3s		4s	
Dimension of pan	Ø135mm			205×190mm			
Output	RS232						
Operation temperature	0~40°C						
Operation humidity	≤80%RH						
Power supply	AC 100~240V, 50/60Hz						
Dimension (L×W×H)	320×210×100mm						

OPTIONAL ACCESSORY

RS232 cable	8301-CABLE*
Data output cable (keyboard format)	7302-8301
Wireless transmitter	7315-8301**
Printer	8391-PRN10

*Used to connect with computers

**Receivers are needed: code 7315-2/3/6/7/8/9



printer (optional)

calibration weight
(included in 8305-200, 8305-500,
8305-1000, 8305-2000
and 8305-3000)



8316-150



8317-1500

ELECTRONIC COUNTING BALANCES (BASIC TYPE)

DATA OUTPUT

- Zero-setting, weighing, subtracting tare value
- Accumulation, counting
- Upper and lower limit alarms: quantity, weight
- LCD display, with backlight

- Data output
- Automatic power off
- Unit: kg, lb, g

SPECIFICATION

Code	8316-150	8316-300
Weighing capacity	150g	300g
Minimal load	0.2g	0.2g
Readability (d)	0.01g	0.01g
Repeatability	±0.02g	±0.02g
Linearity	±0.04g	±0.05g
Stabilization time	3s	
Dimension of pan	145×125mm	
Output	RS232	
Operation temperature	0~40°C	
Operation humidity	≤85%RH	
Power supply	rechargeable lead acid battery (6V/1.3Ah)	
Dimension (L×W×H)	238×145×78mm	

OPTIONAL ACCESSORY

Alarm light	customizable
Large display	8007-SCREEN
Printer	8391-PRN10



alarm light (optional)



printer (optional)



large display (optional)

ELECTRONIC BALANCES (BASIC TYPE)

DATA OUTPUT

- Zero-setting, weighing, subtracting tare value
- Checking alarm, simple counting
- LCD display, with backlight

- Data output
- Automatic power off
- Unit: kg, lb, g, ct, oz, GN, tl

SPECIFICATION

Code	8317-300	8317-600	8317-1500
Weighing capacity	300g	600g	1500g
Minimal load	0.2g	0.2g	0.5g
Readability (d)	0.01g	0.01g	0.01g
Repeatability	±0.01g	±0.01g	±0.03g
Linearity	±0.03g	±0.03g	±0.05g
Stabilization time	3s	3s	5s
Dimension of pan	145×125mm		Ø115mm
Output	RS232		
Operation temperature	0~40°C		
Operation humidity	≤85%RH		
Power supply	rechargeable lead acid battery (6V/1.3Ah)		
Dimension (L×W×H)	238×175×78mm		

OPTIONAL ACCESSORY

Alarm light	customizable
Large display	8007-SCREEN
Printer	8391-PRN10



alarm light (optional)



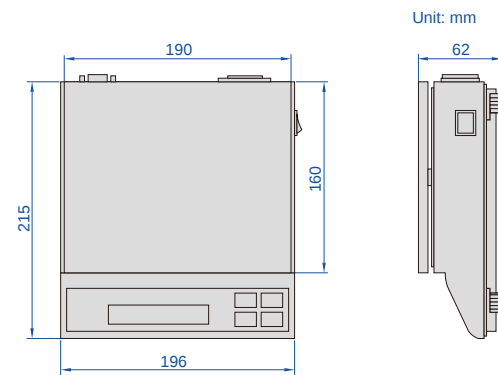
printer (optional)



large display (optional)



8301-3000



ELECTRONIC BALANCES

DATA OUTPUT

- Zero-setting, weighing, subtracting tare value, simple counting
- Data output
- Unit: g, ct, oz

SPECIFICATION

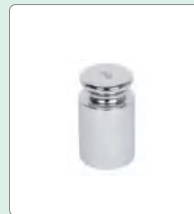
Code	8301-300	8301-600	8301-1200	8301-3000	8301-6000
Weighing capacity	300g	600g	1200g	3000g	6000g
Minimal load	0.2g	0.2g	0.5g	2g	2g
Readability (d)	0.01g	0.01g	0.01g	0.1g	0.1g
Repeatability	±0.01g	±0.01g	±0.02g	±0.1g	±0.2g
Linearity	±0.02g	±0.02g	±0.03g	±0.2g	±0.4g
Stabilization time	2s		3s	2s	4s
Dimension of pan	Ø135mm			190×160mm	
Output	RS232				
Operation temperature	0~40℃				
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)	7302-8301
Wireless transmitter	7315-8301**
Printer	8391-PRN10

*Used to connect with computers

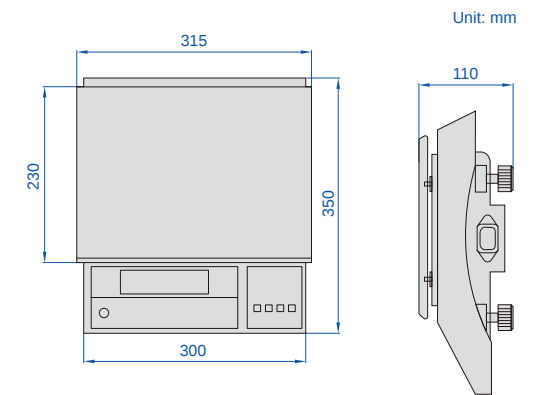
**Receivers are needed: code 7315-2/3/6/7/8/9

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

printer (optional)

POPULAR
MODEL

8306-20AD



INDUSTRIAL ELECTRONIC BALANCES (BASIC TYPE)

- Double weighing pan in 201 stainless steel and plastic
- Zero-setting, weighing, subtracting tare value, simple counting
- LCD display, with backlight
- Unit: g, lb, ct, oz



Code	Weighing capacity	Minimal load	Readability (d)	Repeatability	Linearity	Stabilization time	Output
8306-10	10kg	20g	1g	±2g	±2g	2s	no
8306-15	15kg	20g	1g	±2g	±4g	2s	
8306-20	20kg	20g	1g	±2g	±5g	2s	
8306-30	30kg	20g	1g	±3g	±5g	2s	
8306-5A	5kg	5g	0.1g	±0.2g	±0.5g	2s	
8306-10A	10kg	5g	0.1g	±0.2g	m≤5kg: ±0.5g; m>5kg: ±0.6g	3s	
8306-15A	15kg	5g	0.1g	±0.3g	m≤5kg: ±0.5g; m>5kg: ±0.6g	3s	RS232
8306-20A	20kg	5g	0.1g	±0.3g	m≤5kg: ±0.5g; m>5kg: ±0.8g	4s	
8306-10D	10kg	20g	1g	±2g	±2g	2s	
8306-15D	15kg	20g	1g	±2g	±4g	2s	
8306-20D	20kg	20g	1g	±2g	±5g	2s	
8306-30D	30kg	20g	1g	±3g	±5g	2s	
8306-5AD	5kg	5g	0.1g	±0.2g	±0.5g	2s	
8306-10AD	10kg	5g	0.1g	±0.2g	m≤5kg: ±0.5g; m>5kg: ±0.6g	3s	
8306-15AD	15kg	5g	0.1g	±0.3g	m≤5kg: ±0.5g; m>5kg: ±0.6g	3s	
8306-20AD	20kg	5g	0.1g	±0.3g	m≤5kg: ±0.5g; m>5kg: ±0.8g	4s	

SPECIFICATION

Dimension of pan	315×230mm
Operation temperature	-10~40°C
Operation humidity	≤85%RH
Power supply	rechargeable lead acid battery (6V/4Ah)
Dimension (L×W×H)	350×315×110mm

OPTIONAL ACCESSORY (for scales with RS232)

RS232 cable	8306-CABLE*
Printer	8391-PRN10

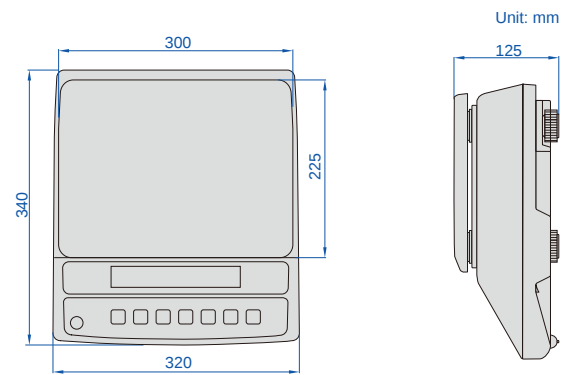
*Used to connect with computers



printer (optional)



8307-15K



Unit: mm

INDUSTRIAL ELECTRONIC BALANCES

DATA OUTPUT

- Double weighing pan in 304 stainless steel and plastic
- Zero-setting, weighing, subtracting tare value, simple counting
- Checking alarm, accumulation, percentage display
- LCD display, with backlight

- Data output
- Automatic power off
- Unit: kg, lb, g, oz, t(ola)



VIDEO

Code	Weighing capacity	Minimal load	Readability (d)	Repeatability	Linearity	Stabilization time
8307-15K	15kg	5g	0.1g	±0.3g	m≤5kg: ±0.4g; m>5kg: ±0.7g	3s
8307-30K	30kg	10g	0.2g	±0.2g	m≤5kg: ±0.4g; m>5kg: ±0.6g	3s
8307-6KA	6kg	5g	0.1g	±0.2g	±0.3g	2s
8307-15KA	15kg	10g	0.2g	±0.2g	±0.4g	2s
8307-3KB	3kg	2g	0.1g	±0.1g	±0.3g	2s
8307-6KB	6kg	10g	0.2g	±0.2g	±0.4g	2s
8307-30KB	30kg	20g	1g	±1g	±3g	2s

SPECIFICATION

Dimension of pan	300×225mm
Output	RS232
Operation temperature	-10~40°C
Operation humidity	30~80%RH
Power supply	rechargeable lead acid battery (6V/4Ah)
Dimension (L×W×H)	340×320×125mm

OPTIONAL ACCESSORY

Data output cable (keyboard format)	7302-8001
Wireless transmitter	7315-8001*
Printer	8391-PRN10
Alarm light	8001-ALARM

* Receivers are needed: code 7315-2/3/6/7/8/9



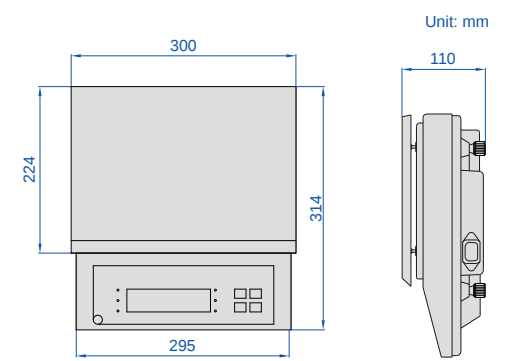
printer (optional)



alarm light (optional)



8308-30KB



Unit: mm

INDUSTRIAL ELECTRONIC BALANCES

DATA OUTPUT

- Double weighing pan in 304 stainless steel and plastic
- Zero-setting, weighing, subtracting tare value, simple counting

- Data output
- Unit: kg, lb



VIDEO

SPECIFICATION

Dimension of pan	300×224mm
Output	RS232
Operation temperature	0~40°C
Operation humidity	≤80%RH
Power	Input voltage: 220V, rechargeable lead acid battery (6V/4Ah)
Dimension (L×W×H)	314×300×110mm

Code	Weighing capacity	Minimal load	Readability (d)	Repeatability	Linearity	Stabilization time
8308-3K	3kg	2g	0.1g	±0.1g	±0.2g	2s
8308-6K	6kg	2g	0.1g	±0.2g	±0.3g	3s
8308-10K	10kg	20g	1g	±1g	±1g	3s
8308-15K	15kg	25g	0.5g	±0.5g	±0.5g	3s
8308-20K	20kg	20g	1g	±1g	±2g	3s
8308-30K	30kg	20g	1g	±1g	±2g	3s
8308-3KA	3kg	10g	0.5g	±0.5g	±0.5g	3s
8308-6KA	6kg	10g	0.5g	±0.5g	±0.5g	3s
8308-15KA	15kg	20g	1g	±1g	±2g	3s
8308-30KA	30kg	100g	5g	±5g	±5g	3s
8308-10KB	10kg	5g	0.1g	±0.1g	±0.3g	3s
8308-20KB	20kg	5g	0.1g	±0.2g	±0.4g	4s
8308-30KB	30kg	5g	0.1g	±0.2g	±0.5g	5s

OPTIONAL ACCESSORY

RS232 cable	8301-CABLE*
Data output cable (keyboard format)	7302-8301
Wireless transmitter	7315-8301**
Printer	8391-PRN10

* Used to connect with computers

** Receivers are needed: code 7315-2/3/6/7/8/9



printer (optional)



INDUSTRIAL ELECTRONIC BALANCES (ADVANCED TYPE)

DATA OUTPUT TOUCH SCREEN HIGH ACCURACY CAN BE CUSTOMIZED

- Electromagnetic balanced sensor
- Compensates for zero stability and weighing accuracy by loading accurately at multiple temperature points
- 304 stainless steel weighing pan, acid and corrosion resistant
- Zero-setting, weighing, subtracting tare value

- Administrator permissions
- Split-type touchscreen display
- Data output
- Manual screen off, screen saver
- Unit: g, kg, lb, ct



SPECIFICATION

Dimension of pan	360×250mm
Output	DB9, Type-C, RS485
Communication protocols	compatible with SBI (RS232) and SICS communication protocols
Operation temperature	10~30°C
Operation humidity	30~80%RH
Power supply	power adapter (5V/2A)

Code	Weighing capacity	Minimal load	Readability (d)	Repeatability	Linearity	Stabilization time	Calibration method	Weight of calibration
8309-16	16kg	5g	0.1g	±0.1g	±0.2g	1.5s	external calibration	10kg
8309-20	20kg	5g	0.1g	±0.1g	±0.2g	2s		
8309-30	30kg	5g	0.1g	±0.2g	±0.3g	2s		20kg
8309-35	35kg	5g	0.1g	±0.2g	±0.3g	3s		
8309-16A	16kg	5g	0.05g	±0.05g	±0.15g	2s		10kg
8309-20A	20kg	5g	0.05g	±0.05g	±0.15g	2s		
8309-30A	30kg	5g	0.05g	±0.1g	±0.25g	3s		20kg
8309-35A	35kg	5g	0.05g	±0.1g	±0.25g	4s		

Continued from previous page

STANDARD DELIVERY

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

*Used to connect with computers

OPTIONAL ACCESSORY

Printer	8309-PRINTER
Charge pal	1155-5-POB

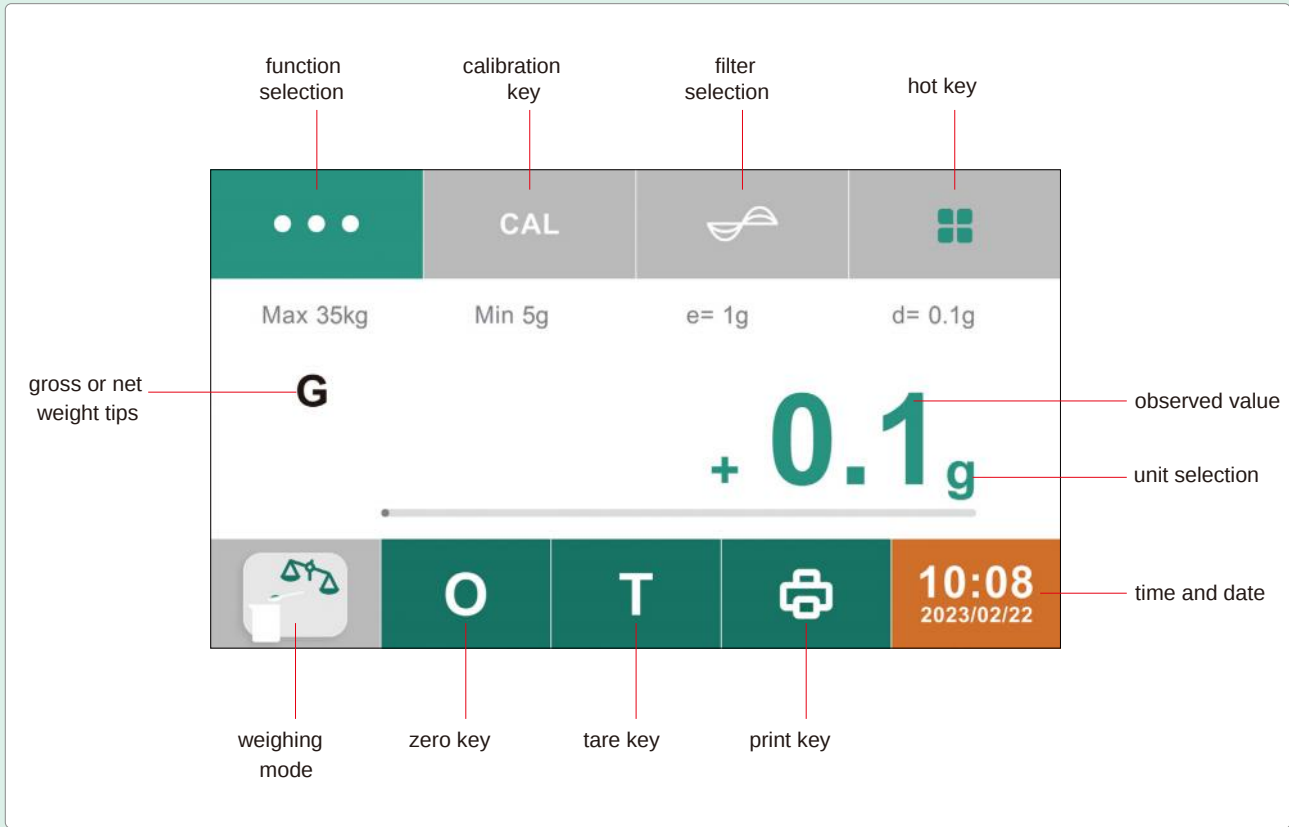


printer (optional)



charge pal (optional)

weighing test interface



Continued from previous page

Measurement functions:

Weighing

This application determines the weight of the object to be weighed within the specific weighing range of the device



Mixing

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



Statistic

The application can save up to 99 weighing values and calculated values, and perform statistical evaluations



Component

The application can sum up to 99 weighing values, can weigh components in different containers, and can tare each container before weighing each component



Density

The application can determine the density of solid materials based on the buoyancy method (**powder density cannot be tested, no density components are supplied as standard**)



Percentage

This application allows the determination of the percentage or percentage difference of the weighed object based on a reference weight



Transition

The application can multiply the weighing value with a customisable coefficient to obtain a converted measurement, the last entered coefficient is saved when the power supply is interrupted



Animal weighing

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



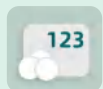
Check weighing

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



Peak holding

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



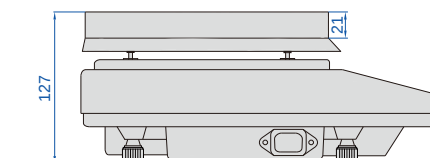
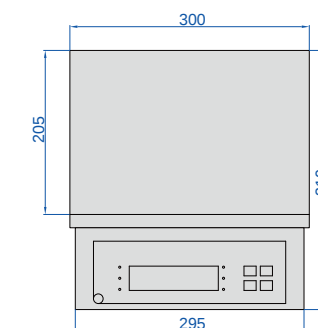
Counting

The application counts almost identical piece weights by comparing them to a reference sample



8106-30KG

Unit: mm

**ELECTRONIC ANTIMAGNETIC BALANCES**

DATA OUTPUT

- Aluminum alloy base, wooden pallet
- Zero-setting, weighing, subtracting tare value, simple counting

- Data output
- Unit: kg, lb

SPECIFICATION

Dimension of pan	300×205mm
Output	RS232
Operation temperature	0~40°C
Operation humidity	≤80%RH
Power supply	Input voltage: 220V, rechargeable lead acid battery (6V/4Ah)
Dimension (L×W×H)	314×300×127mm

Code	Weighing capacity	Minimal load	Readability (d)	Repeatability	Linearity	Stabilization time
8106-3KG	3kg	2g	0.1g	±0.2g	±0.3g	4s
8106-6KG	6kg	2g	0.1g	±0.3g	±0.4g	4s
8106-10KG	10kg	20g	1g	±2g	±2g	3s
8106-20KG	20kg	20g	1g	±2g	±3g	3s
8106-30KG	30kg	20g	1g	±2g	±4g	4s

OPTIONAL ACCESSORY

RS232 cable	8301-CABLE*
Data output cable (keyboard format)	7302-8301
Wireless transmitter	7315-8301**
Printer	8391-PRN10

*Used to connect with computers

**Receivers are needed: code 7315-2/3/6/7/8/9



printer (optional)



Industrial Scales

Efficiency for heavy-duty scenarios

- » Positioning: High-capacity industrial weighing equipment
- » Core Advantage: Large load and structural strength



Application scenarios:



» Factory and warehouse management

In warehouse management in factories, electronic scales are used for inbound, outbound and inventory monitoring of goods. By using them in conjunction with conveyor systems, electronic scales can automatically record the weight of goods and related information, improving the accuracy of inbound and outbound storage and reducing manual intervention and errors.



» Farmers' markets and supermarkets

In farmers' markets and supermarkets, electronic scales are used for weighing and pricing of goods to ensure fairness and accuracy of transactions. Law enforcement officers regularly calibrate electronic scales to ensure that their measurement performance meets the requirements of technical specifications.



» Agriculture and special scenarios

Agricultural Production

Feed Rationing: waterproof bench scale for weighing livestock feed, corrosion-resistant material adapted to the farming environment .

Grain Acquisition: weighing grains (tonnage) on floor scales to optimize acquisition costing.



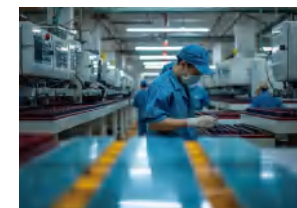
» Kitchenette

Electronic scales are used for raw material weighing and product quality control in off-trade locations such as western kitchens and factory raw material plants. They are an important controller of product quality, ensuring metrological accuracy and product quality during the production process.



» Fresh food retailing

In the fresh food retail sector, AI fresh food recognition checkout scales are able to recognize products and display prices and weights, greatly improving the efficiency and experience of customer shopping. This smart scale can also be integrated with payment systems to enable fast settlement and optimize customer shopping flow.



» Production line quality control and automation

Real-time monitoring: online weighing electronic scales integrated in the assembly line, dynamic detection of product weight (e.g., food packaging, drug dosage), real-time feedback data to the PLC system, to achieve the automatic rejection of substandard products.

INSIZE Quick-Finder

Weighing capacity	Resolution (d)	Dimension of pan	Code
0.2kg	0.02g	55×64mm	8602-200
3kg	0.1g	300×224mm	8107-3
3kg	0.1g	300×230mm	8005-3
3kg	0.1g	157×157mm	8003-3
3/6kg	1/2	263×204mm	8002-6M
3/6kg	1/2	263×204mm	8002-6MD
6kg	0.2g	263×204mm	8001-6
6kg	0.2g	263×204mm	8001-6D
6kg	0.2g	294×228mm	8007-6
6kg	0.2g	294×228mm	8007-6D
6kg	0.2g	263×204mm	8101-6
6kg	0.2g	263×204mm	8101-6D
6kg	0.2g	300×224mm	8107-6
6kg	0.2g	278×198mm	8108-6
6kg	0.2g	278×198mm	8108-6D
6kg	0.2g	300×230mm	8005-6
6kg	0.5g	300×225mm	8004-6
6kg	0.5g	300×225mm	8004-6D
6kg	0.5g	157×157mm	8003-6
6/15kg	2/5	263×204mm	8002-15M
6/15kg	2/5	263×204mm	8002-15MD
10kg	1g	157×157mm	8003-10
15kg	0.5g	263×204mm	8001-15
15kg	0.5g	263×204mm	8001-15D
15kg	0.5g	294×228mm	8007-15
15kg	0.5g	294×228mm	8007-15D
15kg	0.5g	263×204mm	8101-15
15kg	0.5g	263×204mm	8101-15D
15kg	0.5g	300×224mm	8107-15
15kg	0.5g	278×198mm	8108-15
15kg	0.5g	278×198mm	8108-15D
15kg	0.5g	300×230mm	8005-15
15kg	1g	300×225mm	8004-15
15kg	1g	300×225mm	8004-15D

Weighing capacity	Resolution (d)	Dimension of pan	Code
15/30kg	5/10	263×204mm	8002-30M
15/30kg	5/10	263×204mm	8002-30MD
30kg	1g	263×204mm	8001-30
30kg	1g	263×204mm	8001-30D
30kg	1g	294×228mm	8007-30
30kg	1g	294×228mm	8007-30D
30kg	1g	263×204mm	8101-30
30kg	1g	263×204mm	8101-30D
30kg	1g	300×224mm	8107-30
30kg	1g	278×198mm	8108-30
30kg	1g	278×198mm	8108-30D
30kg	1g	300×230mm	8005-30
30kg	1g	380×320mm	8503-30
30kg	2g	300×225mm	8004-30
30kg	2g	300×225mm	8004-30D
30kg	m≤3kg: 0.1g 3kg<m≤30kg: 1g	260×260mm	8502-30
50kg	1g	260×260mm	8502-50
60kg	1g	260×260mm	8502-60
60kg	5g	520×420mm	8501-AL60
60kg	5g	380×320mm	8503-60
60kg	20g	—	8605-60
61kg	1g	500×400mm	8508-61KA
61kg	10g	500×400mm	8508-61K
75kg	1g	260×260mm	8502-75
110kg	1g	500×400mm	8508-110KA
110kg	10g	500×400mm	8508-110K
120kg	10g	380×320mm	8503-120
150kg	10g	520×420mm	8501-AL150
160kg	1g	500×400mm	8508-160KA
160kg	10g	500×400mm	8508-160K
200kg	20g	380×320mm	8503-200
200kg	20g	500×500mm	8409-200B
200kg	50g	500×900mm	8409-200A

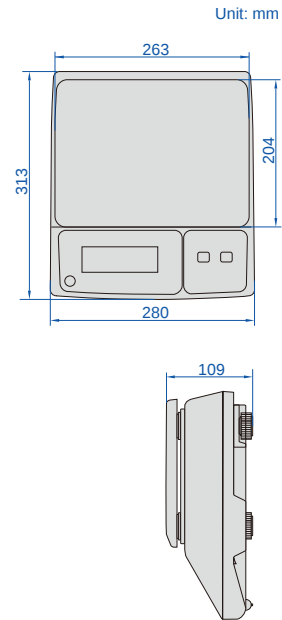
INSIZE Quick-Finder

Weighing capacity	Resolution (d)	Dimension of pan	Code
210kg	10g	500×400mm	8508-210K
300kg	20g	520×420mm	8501-AL300
300kg	50g	500×500mm	8409-300B
300kg	50g	800×600mm	8802-300
300kg	100g	500×900mm	8409-300A
310kg	10g	500×400mm	8508-310K
600kg	100g	800×600mm	8802-600
1000kg	200g	800×800mm	8402-1TA
1000kg	200g	1000×1000mm	8402-1TB
1000kg	200g	1200×1200mm	8402-1TC
1000kg	200g	1200×1500mm	8402-1TD
1000kg	200g	1500×1500mm	8402-1TE
1000kg	500g	2000×2000mm	8402-1TF
1000kg	500g	800×800mm	8403-1TA
1000kg	500g	1000×1000mm	8403-1TB
1000kg	500g	1200×1200mm	8403-1TC
1000kg	500g	1500×1500mm	8403-1TD
1500kg	500g	—	8801-A15
1500kg	500g	—	8801-B15
2000kg	200g	800×800mm	8402-2TA
2000kg	200g	1000×1000mm	8402-2TB
2000kg	200g	1200×1200mm	8402-2TC
2000kg	200g	1200×1500mm	8402-2TD
2000kg	200g	1500×1500mm	8402-2TE
2000kg	500g	2000×2000mm	8402-2TF
2000kg	500g	800×800mm	8403-2TA
2000kg	500g	1000×1000mm	8403-2TB
2000kg	500g	1200×1200mm	8403-2TC

Weighing capacity	Resolution (d)	Dimension of pan	Code
2000kg	500g	1500×1500mm	8403-2TD
2000kg	1000g	—	8801-A20
2000kg	1000g	—	8801-B20
2500kg	1000g	—	8801-A25
2500kg	1000g	—	8801-B25
3000kg	200g	800×800mm	8402-3TA
3000kg	200g	1000×1000mm	8402-3TB
3000kg	200g	1200×1200mm	8402-3TC
3000kg	200g	1200×1500mm	8402-3TD
3000kg	200g	1500×1500mm	8402-3TE
3000kg	500g	2000×2000mm	8402-3TF
3000kg	500g	800×800mm	8403-3TA
3000kg	500g	1000×1000mm	8403-3TB
3000kg	500g	1200×1200mm	8403-3TC
3000kg	500g	1500×1500mm	8403-3TD
4000kg	500g	800×800mm	8402-4TA
4000kg	500g	1000×1000mm	8402-4TB
4000kg	500g	1200×1200mm	8402-4TC
4000kg	500g	1200×1500mm	8402-4TD
4000kg	500g	1500×1500mm	8402-4TE
4000kg	1000g	2000×2000mm	8402-4TF
5000kg	500g	800×800mm	8402-5TA
5000kg	500g	1000×1000mm	8402-5TB
5000kg	500g	1200×1200mm	8402-5TC
5000kg	500g	1200×1500mm	8402-5TD
5000kg	500g	1500×1500mm	8402-5TE
5000kg	1000g	2000×2000mm	8402-5TF



8002-30M



Unit: mm

WEIGHING SCALES (OIML CERTIFICATE)

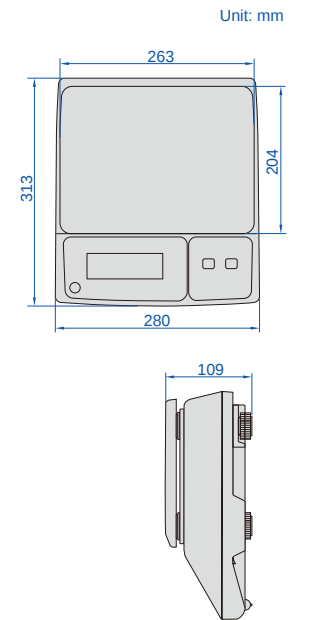
- LCD display, with backlight
- Zero-setting, subtracting tare value
- Overload alarm
- Automatic power off
- OIML certificate (No. 0200-NAWI-04601)

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					



8001-6



Unit: mm

WEIGHING SCALES

- Zero-setting, weighing, subtracting tare value
- LCD display, with backlight
- Automatic power off
- Unit: kg, lb



printer (optional)

SPECIFICATION

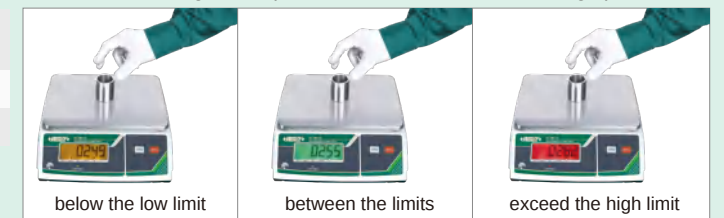
Code	8001-6	8001-15	8001-30	8001-6D	8001-15D	8001-30D
Weighing capacity	6kg	15kg	30kg	6kg	15kg	30kg
Minimal load	4g	10g	20g	4g	10g	20g
Readability (d)	0.2g	0.5g	1g	0.2g	0.5g	1g
Repeatability	±0.4g	±0.5g	±1g	±0.4g	±0.5g	±1g
Linearity	±1g	±1.5g	±3g	±1g	±1.5g	±3g
Stabilization time	1.5s					
Dimension of pan	263×204mm					
Checking alarm	tri-colour alarm light			no		
Output	no			RS232		
Operation temperature	-10~40℃					
Operation humidity	≤85%RH					
Power supply	rechargeable lead acid battery (6V/3.2Ah)					
Dimension (L×W×H)	313×280×109mm					

OPTIONAL ACCESSORY (for scales with RS232)

Data output cable (keyboard format)	7302-8001
Wireless transmitter	7315-8001*
Printer	8391-PRN10

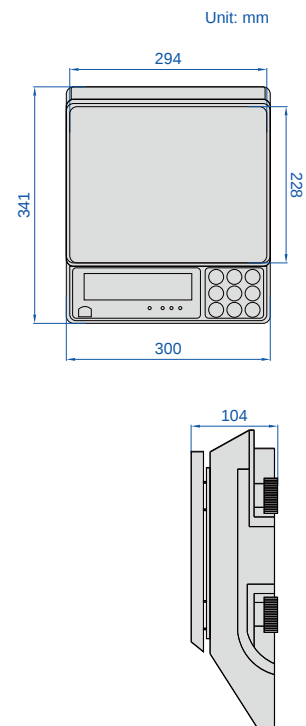
*Receivers are needed: code 7315-2/3/6/7/8/9

checking alarm (for scales with tri-colour alarm light)





8007-6



WEIGHING SCALES (BASIC TYPE)

- Double weighing pan in 430 stainless steel and plastic
- Zero-setting, weighing, subtracting tare value, simple counting
- Checking alarm, accumulation
- Peak (max.) and tracking mode
- LCD display, with backlight
- Unit: kg, g, t, lb, tj, hj, lb-oz

SPECIFICATION

Code	8007-6	8007-15	8007-30	8007-6D	8007-15D	8007-30D
Weighing capacity	6kg	15kg	30kg	6kg	15kg	30kg
Minimal load	4g	10g	20g	4g	10g	20g
Readability (d)	0.2g	0.5g	1g	0.2g	0.5g	1g
Repeatability	±0.4g	±1g	±2g	±0.4g	±1g	±2g
Linearity	±1g	±2.5g	±5g	±1g	±2.5g	±5g
Stabilization time	2s					
Dimension of pan	294×228mm					
Output	no			RS232		
Operation temperature	0~40℃					
Operation humidity	≤85%RH					
Power supply	rechargeable lead acid battery (6V/4Ah)					
Dimension (L×W×H)	341×300×104mm					



alarm light (optional)



printer (optional)



large display (optional)

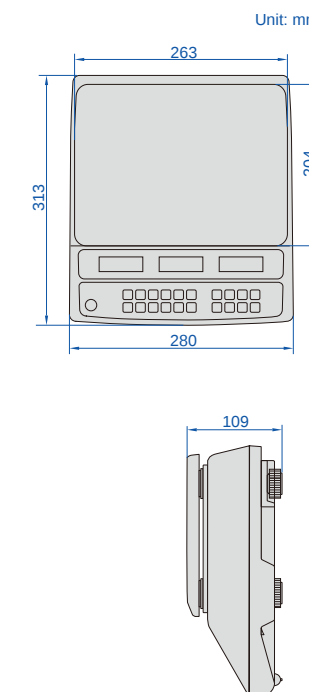
OPTIONAL ACCESSORY (for scales with RS232)

Alarm light	customizable
Large display	8007-SCREEN
Printer	8391-PRN10

POPULAR
MODEL



8101-30



COUNTING SCALES

- Zero-setting, weighing, subtracting tare value
- Accumulation, counting
- Upper and lower limit alarms: quantity, weight
- LCD display, with backlight
- Unit: kg, g, lb, tj, hj, lb-oz

SPECIFICATION

Code	8101-6	8101-15	8101-30	8101-6D	8101-15D	8101-30D
Weighing capacity	6kg	15kg	30kg	6kg	15kg	30kg
Minimal load	4g	10g	20g	4g	10g	20g
Readability (d)	0.2g	0.5g	1g	0.2g	0.5g	1g
Repeatability	±0.4g	±0.5g	±1g	±0.4g	±0.5g	±1g
Linearity	±1g	±1.5g	±3g	±1g	±1.5g	±3g
Stabilization time	2s					
Dimension of pan	263×204mm					
Output	no			RS232		
Operation temperature	-10~40°C					
Operation humidity	≤85%RH					
Power supply	rechargeable lead acid battery (6V/3.2Ah)					
Dimension (L×W×H)	313×280×109mm					

OPTIONAL ACCESSORY (for scales with RS232)

Data output cable (keyboard format)	7302-8001
Wireless transmitter	7315-8001*
Printer	8391-PRN10

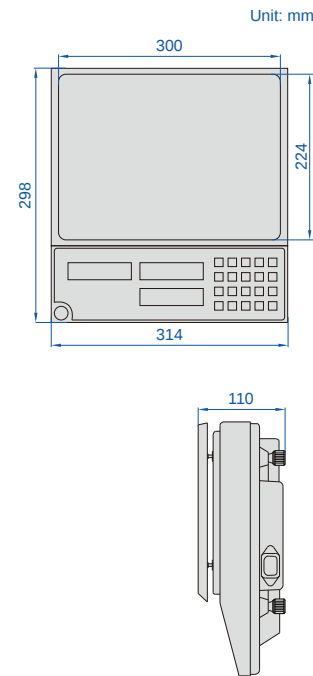
*Receivers are needed: code 7315-2/3/6/7/8/9



printer (optional)



8107-3



COUNTING SCALES

DATA OUTPUT

- Double weighing pan in 304 stainless steel and plastic
- Zero-setting, weighing, subtracting tare value, counting
- Checking alarm, accumulation

- Data output
- Unit: kg, lb



SPECIFICATION

Code	8107-3	8107-6	8107-15	8107-30
Weighing capacity	3kg	6kg	15kg	30kg
Minimal load	2g	4g	25g	20g
Readability (d)	0.1g	0.2g	0.5g	1g
Repeatability	±0.1g	±0.2g	±0.5g	±1g
Linearity	±0.3g	±0.4g	±1g	±2g
Stabilization time	2s			
Dimension of pan	300×224mm			
Output	RS232			
Operation temperature	0~40°C			
Operation humidity	≤80%RH			
Power supply	Input voltage: 220V, rechargeable lead acid battery (6V/4Ah)			
Dimension (L×W×H)	314×298×110mm			

OPTIONAL ACCESSORY

RS232 cable	8301-CABLE*
Printer	8303-PRINTER

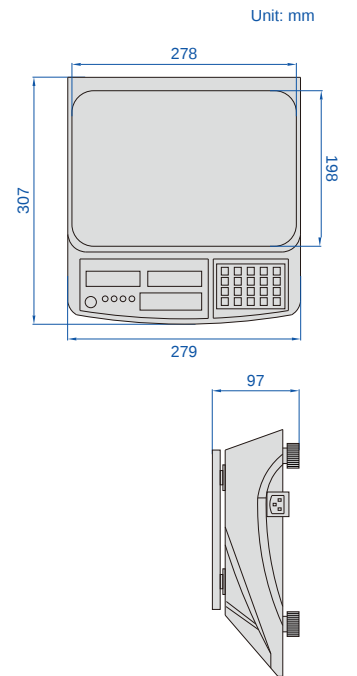
*Used to connect with computers



printer (optional)



8108-6



COUNTING SCALES (BASIC TYPE)

- Double weighing pan in 430 stainless steel and plastic
- Zero-setting, weighing, subtracting tare value
- Accumulation, counting

- Upper and lower limit alarms: quantity, weight
- LCD display, with backlight
- Unit: kg, lb

SPECIFICATION

Code	8108-6	8108-15	8108-30	8108-6D	8108-15D	8108-30D
Weighing capacity	6kg	15kg	30kg	6kg	15kg	30kg
Minimal load	4g	10g	1g	4g	10g	20g
Readability (d)	0.2g	0.5g	1g	0.2g	0.5g	1g
Repeatability	±0.4g	±1g	±2g	±0.4g	±1g	±2g
Linearity	±1g	±2.5g	±5g	±1g	±2.5g	±5g
Stabilization time	3s					
Dimension of pan	278×198mm					
Output	no			RS232		
Operation temperature	0~40℃					
Operation humidity	≤85%RH					
Power supply	rechargeable lead acid battery (6V/4Ah)					
Dimension (L×W×H)	307×279×97mm					



alarm light (optional)



printer (optional)



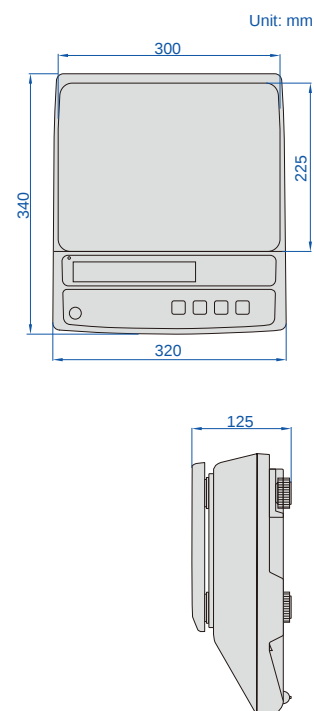
large display (optional)

OPTIONAL ACCESSORY (for scales with RS232)

Alarm light	customizable
Large display	8007-SCREEN
Printer	8391-PRN10



8004-6



CHECKING WEIGHT SCALES

- Double weighing pan in 304 stainless steel and plastic
- Zero-setting, weighing, subtracting tare value, checking alarm
- LCD display, with backlight

- Automatic power off
- Unit: kg, g, t, H, t(ola), lb, oz, lb-oz



SPECIFICATION

Code	8004-6	8004-15	8004-30	8004-6D	8004-15D	8004-30D
Weighing capacity	6kg	15kg	30kg	6kg	15kg	30kg
Minimal load	10g	20g	40g	10g	20g	40g
Readability (d)	0.5g	1g	2g	0.5g	1g	2g
Repeatability	±0.5g	±1g	±2g	±0.5g	±1g	±2g
Linearity	±1.5g	±3g	±6g	±1.5g	±3g	±6g
Stabilization time	2s					
Dimension of pan	300×225mm					
Output	no			RS232		
Operation temperature	-10~40℃					
Operation humidity	≤85%RH					
Power supply	rechargeable lead acid battery (6V/4Ah)					
Dimension (L×W×H)	340×320×125mm					

OPTIONAL ACCESSORY (for scales with RS232)

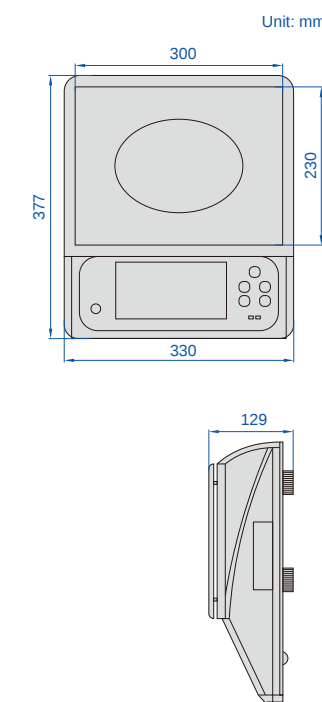
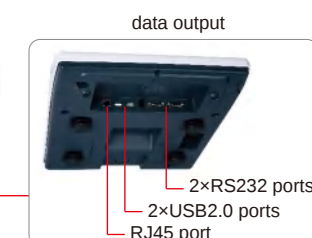
Printer	8391-PRN10
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printer (optional)



8005-30

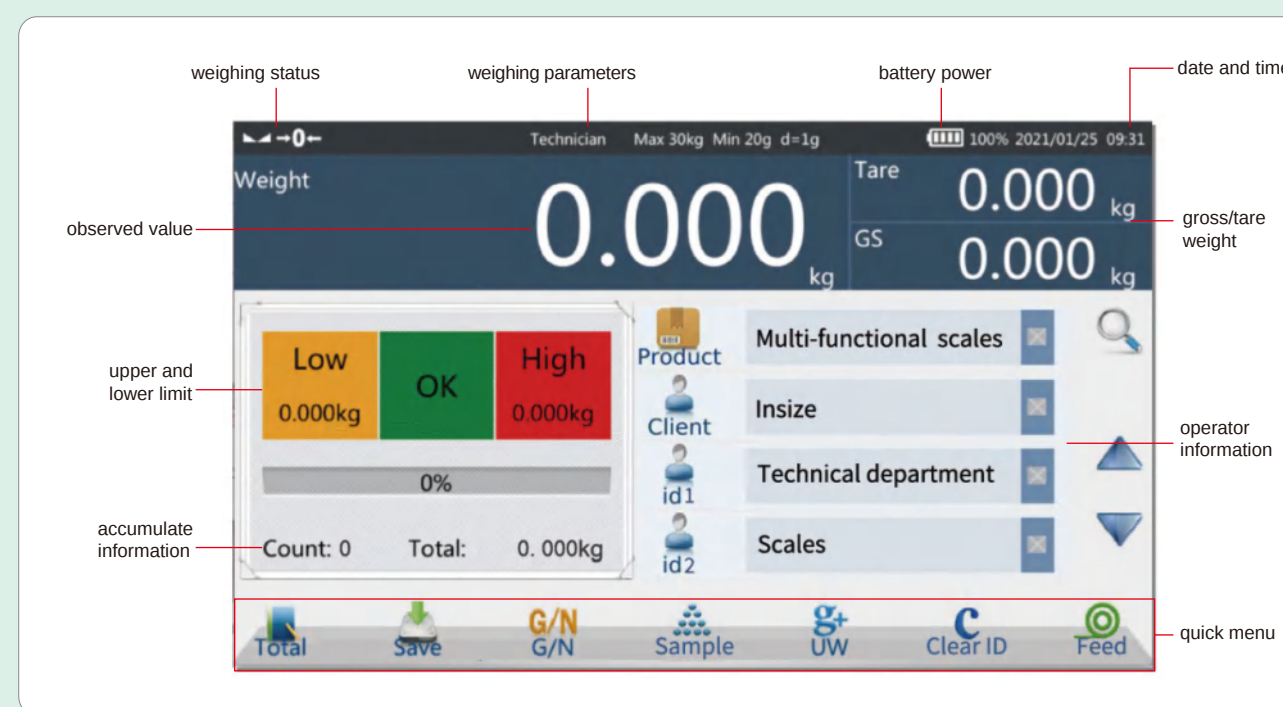


MULTI-FUNCTIONAL SCALES

DATA OUTPUT TOUCH SCREEN

- Zero-setting, weighing, subtracting tare value, counting
- Checking alarm, accumulation, percentage display
- Upper and lower limit alarms: quantity, percentage, weight
- Peak (max.) and tracking mode

- Administrator permissions
- 7-inch resistive touch color screen
- Data output
- Unit: kg, g, lb, oz, t



weighing test interface

Continued from previous page

records search

NO.	Product	Weight(kg)	Unit	Quantity	Time	
1	Sample a	0.3	kg	0	18:50	↑
2	Sample b	0.22	kg	0	18:57	↓
3	Sample c	0.58	kg	0	19:06	
4	Sample d	0.21	kg	0	19:36	
5	Sample e	0.57	kg	0	19:43	
6	Sample f	0.34	kg	0	19:46	Delete
7	Sample g	0.21	kg	0	19:46	
8	Sample h	0.21	kg	0	19:50	Export
9	Sample i	0.57	kg	0	19:50	
10	Sample j	0.93	kg	0	08:43	Feed
11	Sample k	7.6	oz	0	18:32	
12	Sample l	11.8	oz	0	18:43	Print
13	Sample m	31	oz	0	18:44	
Item count: 53 Weight: 5.435kg Qty: 750pcs						Back

SPECIFICATION

Code	8005-3	8005-6	8005-15	8005-30
Weighing capacity	3kg	6kg	15kg	30kg
Minimal load	2g	4g	10g	20g
Readability (d)	0.1g	0.2g	0.5g	1g
Repeatability	±0.2g	±0.4g	±0.5g	±1g
Linearity	±0.5g	±1g	±1.5g	±3g
Stabilization time	3s			
Dimension of pan	300×230mm			
Output	RS232, USB, RJ45			
Operation temperature	0~40℃			
Operation humidity	≤80%RH			
Power supply	7.4V rechargeable Li-ion battery			
Dimension (L×W×H)	377×330×129mm			

OPTIONAL ACCESSORY

Printer	8001-PRINTER
Scanner	7328-SCAN
Alarm light	8001-ALARM



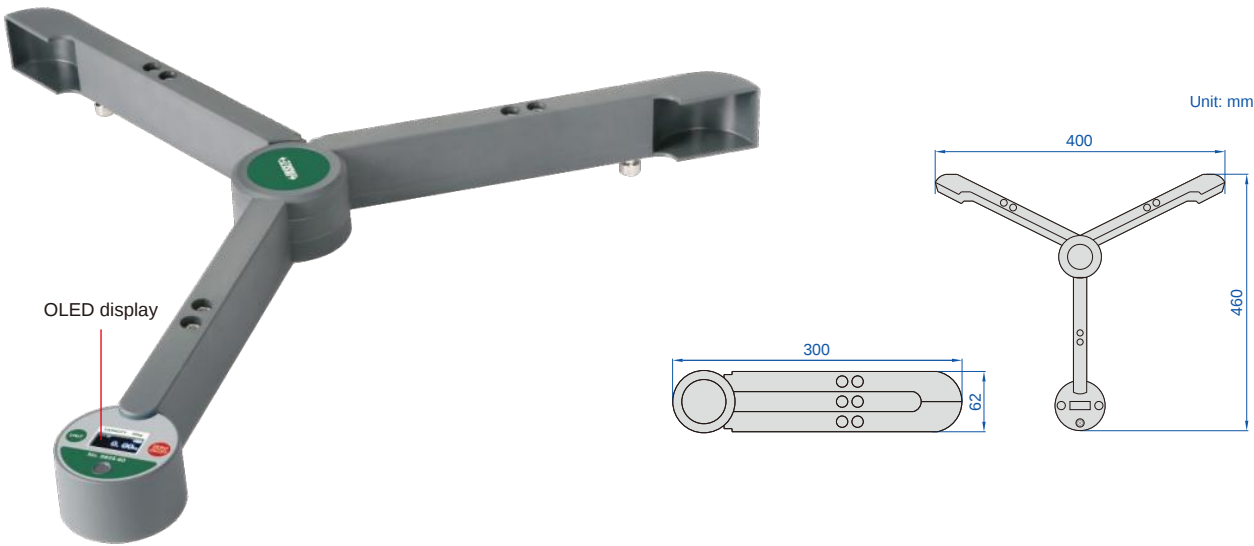
alarm light (optional)



scanner (optional)



printer (optional)



BUILT-IN BLUETOOTH FOLDING SCALE
CODE 8605-60

DATA OUTPUT BUILT-IN BLUETOOTH ATTENTION: LOW ACCURACY

- Zero-setting, weighing, subtracting tare value
- Unit: kg, g
- Voice to report the result



SPECIFICATION

Weighing capacity	60kg
Minimal load	400g
Readability (d)	20g
Repeatability	±40g
Linearity	±100g
Stabilization time	2s
Output	bluetooth
Operation temperature	-10~40℃
Operation humidity	20~90%RH
Power supply	3.7V rechargeable Li-ion battery
Dimension (L×W×H)	300×62×50mm



foldable and portable



8003-3

WEIGHING SCALES (ECONOMIC TYPE)

ATTENTION: LOW ACCURACY

- Zero-setting, weighing, subtracting tare value

- Unit: g, oz, lb, tl



VIDEO

SPECIFICATION

Code	8003-3	8003-6	8003-10
Weighing capacity	3kg	6kg	10kg
Minimal load	2g	10g	20g
Readability (d)	0.1g	0.5g	1g
Repeatability	±0.2g	±1g	±3g
Linearity	±0.5g	±2.5g	±5g
Stabilization time	4s		
Dimension of pan	157×157mm		
Operation temperature	5~35°C		
Operation humidity	≤80%RH		
Power supply	2×AAA batteries, power adapter		
Dimension (L×W×H)	160×225×45mm		



use of pan

ELECTRONIC POCKET SCALE (ECONOMIC TYPE)
CODE 8602-200

ATTENTION: LOW ACCURACY

- Zero-setting, weighing, subtracting tare value
- LCD display, with backlight

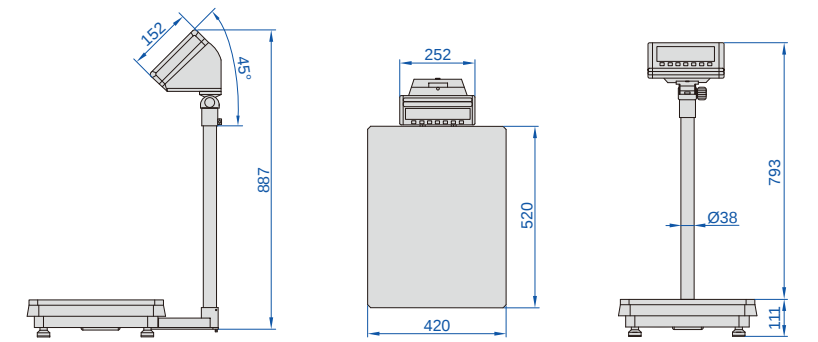
- Automatic power off
- Unit: g, oz, dwt, ozt

SPECIFICATION

Weighing capacity	200g	Dimension of pan	64×55mm
Minimal load	0.2g	Operation temperature	-10~40°C
Readability (d)	0.02g	Operation humidity	≤80%RH
Repeatability	±0.06g	Power supply	2×CR2032 batteries
Linearity	±0.1g	Dimension (L×W×H)	120×70×17mm
Stabilization time	3s		

POPULAR
MODEL

8501-AL150



Unit: mm

PLATFORM SCALES

DATA OUTPUT CAN BE CUSTOMIZED

- Zero-setting, weighing, subtracting tare value, simple counting
- Checking alarm, accumulation, animal scale, keyboard lock
- LCD display, with backlight

- Data output
- Automatic power off
- Unit: kg, lb, g, oz, t(ola)



VIDEO

SPECIFICATION

Code	8501-AL60	8501-AL150	8501-AL300
Weighing capacity	60kg	150kg	300kg
Minimal load	100g	200g	400g
Readability (d)	5g	10g	20g
Repeatability	±5g	±10g	±20g
Linearity	±10g	±20g	±40g
Stabilization time	3s		
Dimension of pan	520×420mm		
Material	platform: stainless steel, base: die-cast aluminum		
Output	RS232		
Operation temperature	-10~40°C		
Operation humidity	≤80%RH		
Power supply	rechargeable lead acid battery (6V/4Ah)		
Dimension (L×W×H)	520×420×887mm		

OPTIONAL ACCESSORY

Data output cable (keyboard format)	7302-8001
Wireless transmitter	7315-8001*
Printer	8391-PRN10
Alarm light	8001-ALARM

* Receivers are needed: code 7315-2/3/6/7/8/9



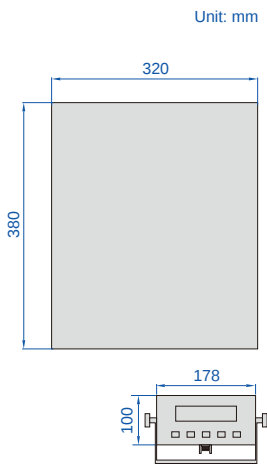
alarm light (optional)



printer (optional)



8503-30



Unit: mm

PARCEL SCALES

- Zero-setting, weighing, subtracting tare value, simple counting
 - LCD display, with backlight
- Automatic power off
 - Unit: kg, lb

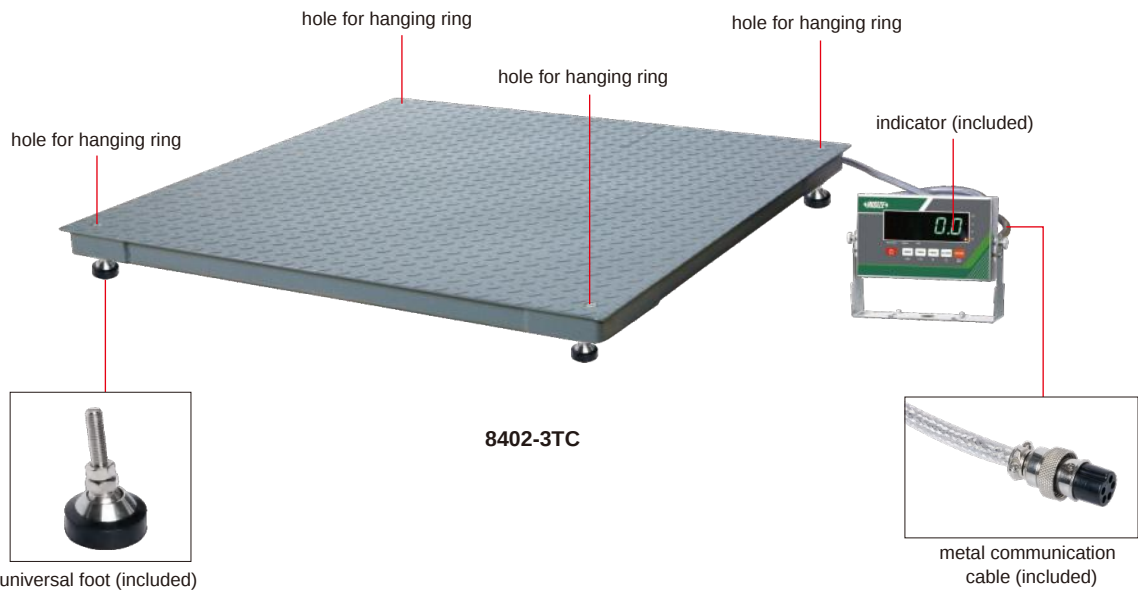


SPECIFICATION

Code	8503-30	8503-60	8503-120	8503-200
Weighing capacity	30kg	60kg	120kg	200kg
Minimal load	20g	100g	200g	400g
Readability (d)	1g	5g	10g	20g
Repeatability	±2g	±10g	±20g	±40g
Linearity	±3g	±15g	±30g	±60g
Stabilization time	2s			
Dimension of pan	380×320mm			
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			
Dimension (L×W×H)	380×320×110mm			

OPTIONAL ACCESSOR

Cast iron weights	8913
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8402-3TC

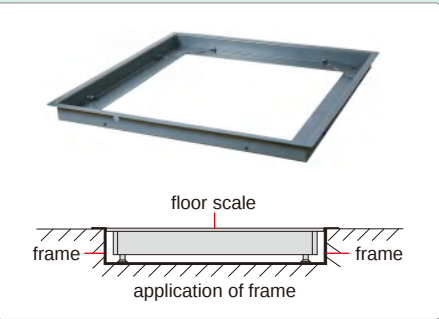


universal foot (included)

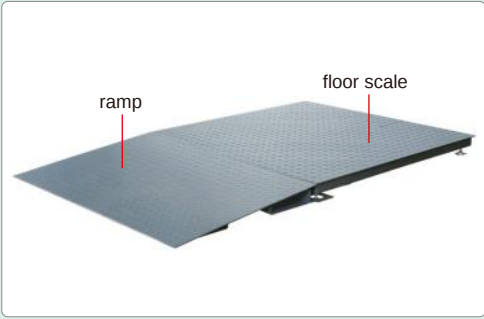
HIGH PRECISION FLOOR SCALES

- DATA OUTPUT
- CAN BE CUSTOMIZED
- BUILT-IN BLUETOOTH
- HIGH ACCURACY

- Zero-setting, weighing, subtracting tare value, simple counting
 - Checking alarm, animal scale
 - Peak (max.) and tracking mode
- Data output
 - Automatic power off
 - Unit: kg, lb



frame (optional)



ramp (optional)



stainless steel stand (optional)

SPECIFICATION

Material of platform	carbon steel
Material of indicator	304 stainless steel
Output	RS232
Operation temperature	-10~40°C
Operation humidity	30~80%RH
Power supply	3.7V rechargeable Li-ion battery



printer (optional)

Continued from previous page

SPECIFICATION

Code	Weighing capacity	Minimal load	Readability (d)	Repeatability	Linearity	Dimension of platform
8402-1TA	1t	4kg	0.2kg	±0.2kg	±0.2kg	800×800mm
8402-2TA	2t	4kg	0.2kg	±0.2kg	±0.2kg	
8402-3TA	3t	4kg	0.2kg	±0.2kg	±0.4kg	
8402-4TA	4t	10kg	0.5kg	±0.5kg	±1kg	
8402-5TA	5t	10kg	0.5kg	±1kg	±1.5kg	
8402-1TB	1t	4kg	0.2kg	±0.2kg	±0.2kg	1000×1000mm
8402-2TB	2t	4kg	0.2kg	±0.2kg	±0.2kg	
8402-3TB	3t	4kg	0.2kg	±0.2kg	±0.4kg	
8402-4TB	4t	10kg	0.5kg	±0.5kg	±1kg	
8402-5TB	5t	10kg	0.5kg	±1kg	±1.5kg	
8402-1TC	1t	4kg	0.2kg	±0.2kg	±0.2kg	1200×1200mm
8402-2TC	2t	4kg	0.2kg	±0.2kg	±0.2kg	
8402-3TC	3t	4kg	0.2kg	±0.2kg	±0.4kg	
8402-4TC	4t	10kg	0.5kg	±0.5kg	±1kg	
8402-5TC	5t	10kg	0.5kg	±1kg	±1.5kg	
8402-1TD	1t	4kg	0.2kg	±0.2kg	±0.2kg	1500×1200mm
8402-2TD	2t	4kg	0.2kg	±0.2kg	±0.2kg	
8402-3TD	3t	4kg	0.2kg	±0.2kg	±0.4kg	
8402-4TD	4t	10kg	0.5kg	±0.5kg	±1kg	
8402-5TD	5t	10kg	0.5kg	±1kg	±1.5kg	
8402-1TE	1t	4kg	0.2kg	±0.2kg	±0.2kg	1500×1500mm
8402-2TE	2t	4kg	0.2kg	±0.2kg	±0.2kg	
8402-3TE	3t	4kg	0.2kg	±0.2kg	±0.4kg	
8402-4TE	4t	10kg	0.5kg	±0.5kg	±1kg	
8402-5TE	5t	10kg	0.5kg	±1kg	±1.5kg	
8402-1TF	1t	10kg	0.5kg	±1kg	±1.5kg	2000×2000mm
8402-2TF	2t	10kg	0.5kg	±1kg	±1.5kg	
8402-3TF	3t	10kg	0.5kg	±1kg	±1.5kg	
8402-4TF	4t	20kg	1kg	±2kg	±5kg	
8402-5TF	5t	20kg	1kg	±3kg	±5kg	

OPTIONAL ACCESSORY

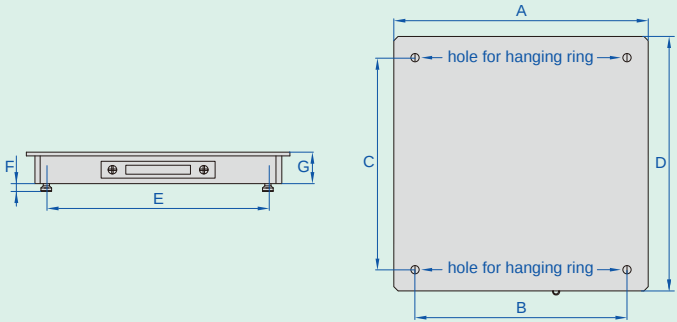
Ramp	customized
Frame	customized
Alarm light	8402-ALARM (must be supplied with scales together)
Stainless steel stand	8402-STAND
Printer	8402-PRINTER

STANDARD DELIVERY

Main unit	1 pc
Indicator	1 pc
Power adapter	1 pc
Universal	4 pcs
Hanging ring	4 pcs

To be continued

Continued from previous page



(mm)

Code	A	B	C	D	E	F	G
8402-1TA	800	640	640	800	640	40	81
8402-2TA	800	640	640	800	640	40	81
8402-3TA	800	640	640	800	640	40	81
8402-4TA	800	640	640	800	640	38	83
8402-5TA	800	640	640	800	640	38	83
8402-1TB	1000	840	840	1000	840	40	81
8402-2TB	1000	840	840	1000	840	40	81
8402-3TB	1000	840	840	1000	840	40	81
8402-4TB	1000	840	840	1000	840	38	83
8402-5TB	1000	840	840	1000	840	38	83
8402-1TC	1200	1040	1040	1200	1040	40	81
8402-2TC	1200	1040	1040	1200	1040	40	81
8402-3TC	1200	1040	1040	1200	1040	40	81
8402-4TC	1200	1040	1040	1200	1040	38	83
8402-5TC	1200	1040	1040	1200	1040	38	83

(mm)

Code	A	B	C	D	E	F	G
8402-1TD	1200	1040	1340	1500	1040	40	81
8402-2TD	1200	1040	1340	1500	1040	40	81
8402-3TD	1200	1040	1340	1500	1040	40	81
8402-4TD	1200	1040	1340	1500	1040	38	83
8402-5TD	1200	1040	1340	1500	1040	38	83
8402-1TE	1500	1340	1340	1500	1340	40	81
8402-2TE	1500	1340	1340	1500	1340	40	81
8402-3TE	1500	1340	1340	1500	1340	40	81
8402-4TE	1500	1340	1340	1500	1340	38	83
8402-5TE	1500	1340	1340	1500	1340	38	83
8402-1TF	2000	1840	1840	2000	1840	40	81
8402-2TF	2000	1840	1840	2000	1840	40	81
8402-3TF	2000	1840	1840	2000	1840	40	81
8402-4TF	2000	1840	1840	2000	1840	38	83
8402-5TF	2000	1840	1840	2000	1840	38	83

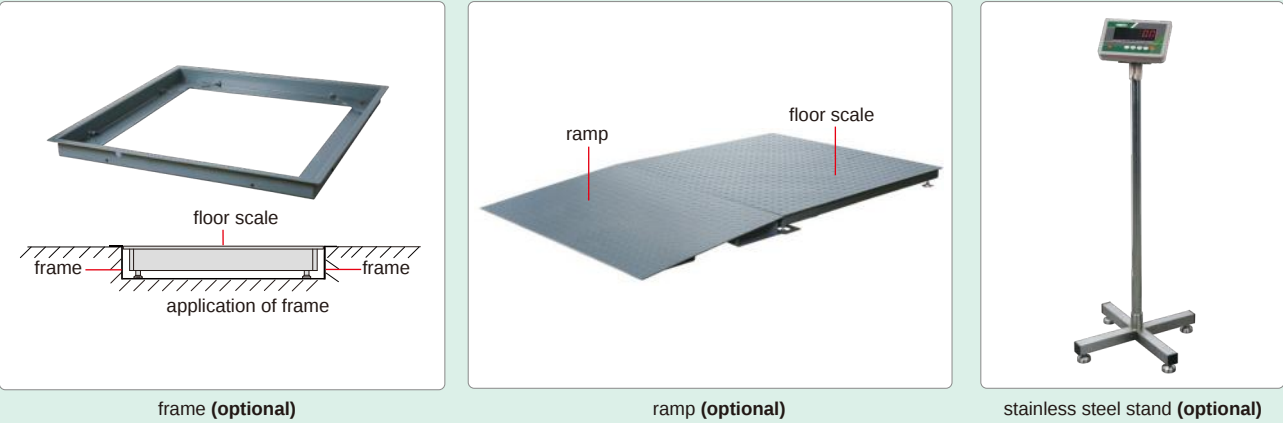


8403-3TC

FLOOR SCALES (STANDARD TYPE)

DATA OUTPUT CAN BE CUSTOMIZED BUILT-IN BLUETOOTH

- Zero-setting, weighing, subtracting tare value, simple counting
 - Checking alarm, animal scale
 - Peak (max.) and tracking mode
- Data output
 - Automatic power off
 - Unit: kg, lb



SPECIFICATION

Material of platform	carbon steel
Material of indicator	ABS plastic
Output	RS232
Operation temperature	-10~40°C
Operation humidity	30~80%RH
Power supply	3.7V rechargeable Li-ion battery



printer (optional)

To be continued

Continued from previous page

SPECIFICATION

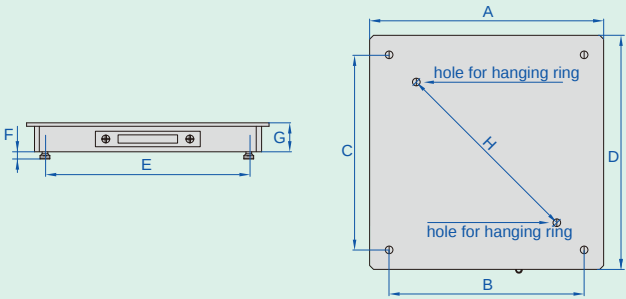
Code	Weighing capacity	Minimal load	Readability (d)	Repeatability	Linearity	Dimension of platform
8403-1TA	1t	10kg	0.5kg	±0.5kg	±1.5kg	800×800mm
8403-2TA	2t	10kg	0.5kg	±0.5kg	±1.5kg	
8403-3TA	3t	10kg	0.5kg	±1kg	±2.5kg	
8403-1TB	1t	10kg	0.5kg	±0.5kg	±1.5kg	1000×1000mm
8403-2TB	2t	10kg	0.5kg	±0.5kg	±1.5kg	
8403-3TB	3t	10kg	0.5kg	±1kg	±2.5kg	
8403-1TC	1t	10kg	0.5kg	±0.5kg	±1.5kg	1200×1200mm
8403-2TC	2t	10kg	0.5kg	±0.5kg	±1.5kg	
8403-3TC	3t	10kg	0.5kg	±1kg	±2.5kg	
8403-1TD	1t	10kg	0.5kg	±0.5kg	±1.5kg	1500×1500mm
8403-2TD	2t	10kg	0.5kg	±0.5kg	±1.5kg	
8403-3TD	3t	10kg	0.5kg	±1kg	±2.5kg	

STANDARD DELIVERY

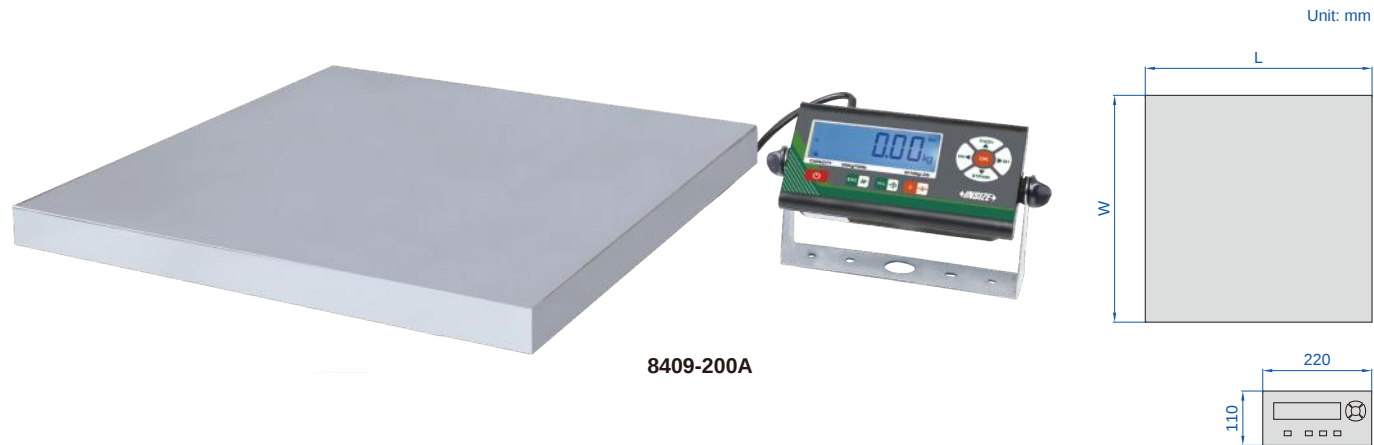
Main unit	1 pc
Indicator	1 pc
Power adapter	1 pc
Universal foot	4 pcs
Hanging ring	2 pcs

OPTIONAL ACCESSORY

Ramp	customizable
Frame	customizable
Alarm light	8403-ALARM (must be supplied with scales together)
Stainless steel stand	8403-STAND
Printer	8403-PRINTER



Dimension of platform	A	B	C	D	E	F	G	H
800×800	800	640	640	800	640	45	76	640
1000×1000	1000	840	840	1000	840	45	76	848
1200×1200	1200	1040	1040	1200	1040	45	76	1131
1500×1500	1500	1340	1340	1500	1340	45	76	1555



DYNAMIC SCALES

DATA OUTPUT HIGH SPEED RESPONSE CAN BE CUSTOMIZED

- Zero-setting, weighing, subtracting tare value, simple counting
- Checking alarm, accumulation, animal scale
- Upper and lower limit alarms: quantity, weight
- Stabilization time: 0.8s
- LCD display, with backlight
- Data output
- Automatic power off
- Unit: kg, lb, g, oz

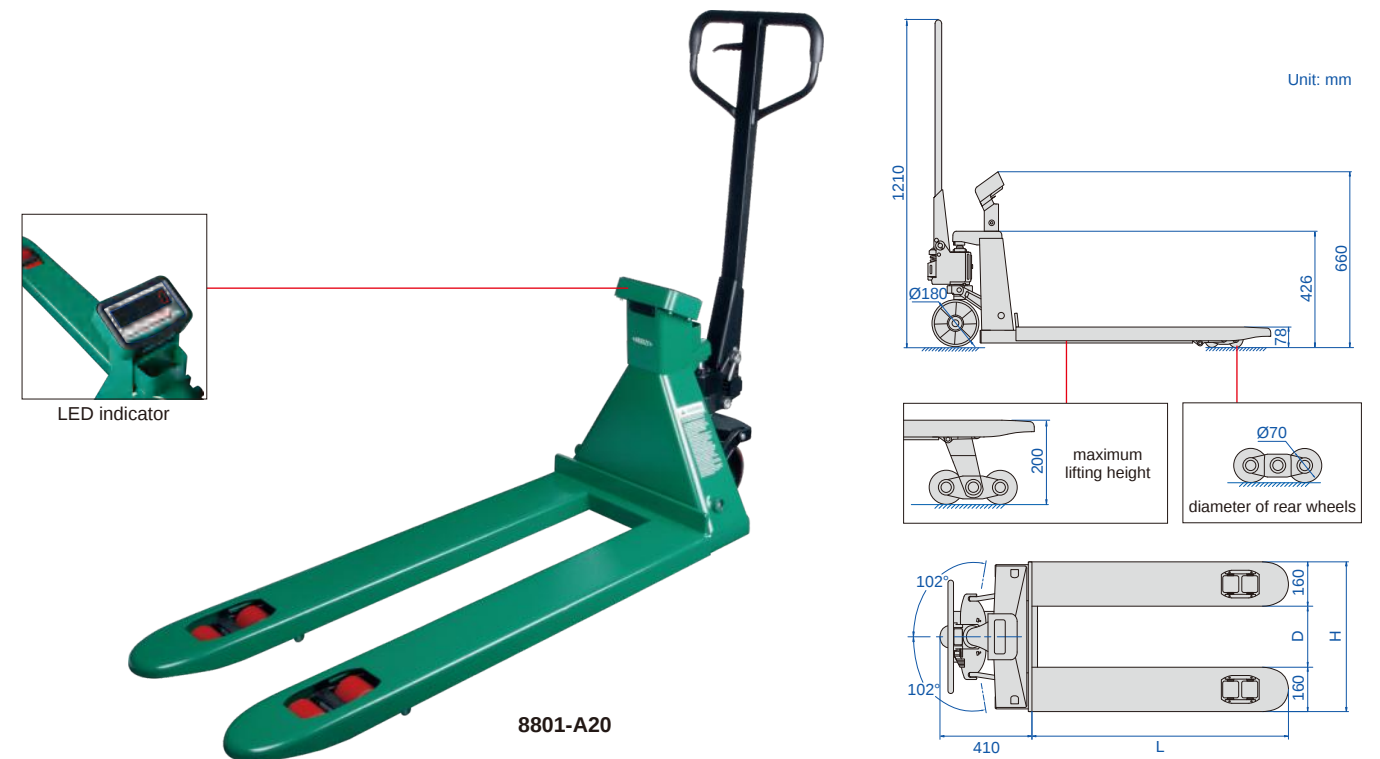
SPECIFICATION

Material of platform	201 stainless steel
Material of indicator	ABS plastic
Output	RS232
Operation temperature	-10~40°C
Operation humidity	≤85%RH
Power supply	7.4V rechargeable Li-ion battery



metal communication cable (included)

Code	Weighing capacity	Minimal load	Readability (d)	Repeatability	Linearity	Dimension of platform (L×W)
8409-300A	300kg	2kg	100g	±200g	±300g	500×900mm
8409-200A	200kg	1kg	50g	±100g	±150g	
8409-300B	300kg	1kg	50g	±100g	±150g	500×500mm
8409-200B	200kg	400g	20g	±40g	±60g	



FORKLIFT SCALES

- Zero-setting, weighing, subtracting tare value, simple counting
- Accumulation, animal scale, percentage display
- Automatic power off
- Unit: kg, lb



SPECIFICATION

Code	8801-A15	8801-A20	8801-A25	8801-B15	8801-B20	8801-B25
Weighing capacity	1500kg	2000kg	2500kg	1500kg	2000kg	2500kg
Minimal load	10kg	20kg	20kg	10kg	20kg	20kg
Readability (d)	0.5kg	1kg	1kg	0.5kg	1kg	1kg
Repeatability	±1kg	±1kg	±2kg	±1kg	±1kg	±2kg
Linearity	±1.5kg	±1.5kg	±3kg	±1.5kg	±1.5kg	±3kg
Limited load	2500kg	3000kg	3000kg	2500kg	3000kg	3000kg
Forklift arm length (L)	1150mm			1220mm		
Forklift arm distance (D)	220mm			360mm		
Overall forklift width (H)	540mm			680mm		
Material	mild steel					
Operation temperature	-10~50℃					
Operation humidity	30~90%RH					
Power supply	rechargeable lead acid battery(6V/4Ah)					
Dimension (L×W×H)	1560×540×1210mm			1630×680×1210mm		



SCALE CARTS

DATA OUTPUT CAN BE CUSTOMIZED ATTENTION: DO NOT MOVE DURING WEIGHING

- Zero-setting, weighing, subtracting tare value, simple counting
- Checking alarm, accumulation, animal scale
- Upper and lower limit alarms: quantity, weight
- Resistant rubber with cloverleaf handle-bar
- LCD display, with backlight
- Data output
- Automatic power off
- Unit: kg, lb, g, oz

SPECIFICATION

Material of platform	201 stainless steel
Material of indicator	ABS plastic
Output	RS232
Operation temperature	-10~40°C
Operation humidity	≤85%RH
Power supply	7.4V rechargeable Li-ion battery
Dimension (L×W×H)	900×600×1200mm

Code	Weighing capacity	Minimal load	Readability (d)	Repeatability	Linearity	Dimension of platform (L×W)
8802-300	300kg	1kg	50g	±100g	±250g	800×600mm
8802-600	600kg	2kg	100g	±200g	±500g	



GSM (GRAMS PER SQUARE METER) CUTTER

CODE 8390-100

- Suitable for cutting round samples of woolen, cotton, knitted fabrics, etc.

SPECIFICATION

Area	100cm ²
Thickness	4mm
Blade	4 pcs
Material	aluminum
Mat	rubber mat
Dimension (L×W×H)	160×160×115mm
Net weight	2kg



INSIZE

PRECISION MEASUREMENT

2025-12-23 16 : 56 : 48

NO.: 1

Weight: 5.87kg

print format

PRINTER

CODE 8391-PRN10

PRINT FORMAT CAN BE CUSTOMIZED BUILT-IN BLUETOOTH

- Suitable for the balance and scale series

SPECIFICATION

Print method	direct-acting thermosensitive
Print width	58mm
Input	USB, RS232, bluetooth
Operation temperature	0~50°C
Operation humidity	35~85%RH
Power supply	AC 100~240V, 50/60Hz
Dimension (L×W×H)	150×110×110mm

STANDARD DELIVERY

Thermal paper	1 pc
Label paper	1 pc
RS232 cable	3 pcs

OPTIONAL ACCESSOR

Thermal paper	8391-P1
Label paper	8391-P2



Crane Scales

Flexible solutions for working at height

- » Positioning: Suspended mobile weighing equipment
- » Core Advantage: Space adaptability and ease of operation

Application scenarios :



» Steel industry

In the steel industry, electronic crane scale has become an indispensable measurement tool by virtue of its high accuracy and efficiency. It can accurately measure the weight of steel, improve work efficiency, reduce economic losses caused by weighing errors, and contribute to the rational use of resources and safe production.



» Ports and freight hubs

Container weighing: Simultaneous weight measurement during loading and unloading of containers, avoiding transportation risks due to overweight or weight discrepancies.



» Logistic

In the field of logistics, electronic crane scales are used for tracking and supervision of goods. By integrating with the logistics information system, it realizes the monitoring of the whole process of goods from factory to delivery and improves the efficiency and accuracy of logistics.



» Warehouses and supermarkets

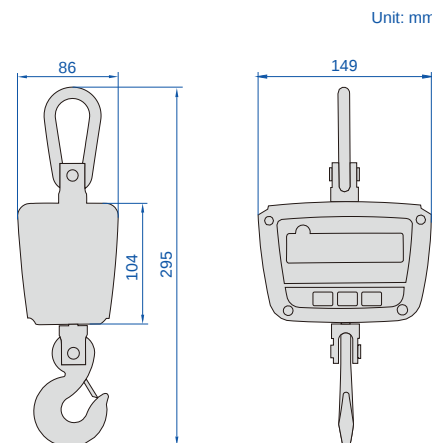
In warehouses and supermarkets, electronic crane scales are used for merchandise entry and exit statistics and warehouse stock control to improve the accuracy and efficiency of inventory management.

INSIZE Quick-Finder

Weighing capacity	Resolution (d)	Code	Weighing capacity	Resolution (d)	Code	Weighing capacity	Resolution (d)	Code
10N/1kg	0.2N/0.02kg	8603-10	500kg	0.2kg	8207-05T	10000kg	5kg	8204-CS10T
20N/2kg	0.4N/0.04kg	8603-20	600kg	0.2kg	8204-CS06T	10000kg	5kg	8205-10T
30N/3kg	0.5N/0.05kg	8603-30	1000kg	0.5kg	8203-CW1T	10000kg	5kg	8206-10T
50N/5kg	1N/0.1kg	8603-50	1000kg	0.5kg	8204-CS1T	10000kg	5kg	8207-10T
100N/10kg	2N/0.2kg	8603-100	1000kg	0.5kg	8206-1T	15000kg	5kg	8204-CS15T
200N/20kg	4N/0.4kg	8603-200	1000kg	0.5kg	8207-1T	15000kg	5kg	8205-15T
40kg	0.05kg	8604-40	2000kg	0.5kg	8205-2T	15000kg	5kg	8206-15T
50kg	0.02kg	8201-50KG	2000kg	1kg	8204-CS2T	15000kg	5kg	8207-15T
50kg	0.02kg	8202-50KG	2000kg	1kg	8206-2T	20000kg	10kg	8205-20T
500N/50kg	10N/1kg	8603-500	2000kg	1kg	8207-2T	20000kg	10kg	8206-20T
1000N/100kg	20N/2kg	8603-1000	3000kg	1kg	8204-CS3T	20000kg	10kg	8207-20T
150kg	0.05kg	8201-150KG	3000kg	1kg	8205-3T	30000kg	10kg	8205-30T
150kg	0.05kg	8202-150KG	3000kg	1kg	8206-3T	30000kg	10kg	8206-30T
300kg	0.1kg	8201-300KG	3000kg	1kg	8207-3T	30000kg	10kg	8207-30T
300kg	0.1kg	8202-300KG	5000kg	2kg	8204-CS5T	50000kg	20kg	8205-50T
300kg	0.1kg	8203-CW03T	5000kg	2kg	8205-5T	50000kg	20kg	8206-50T
500kg	0.2kg	8203-CW05T	5000kg	2kg	8206-5T	50000kg	20kg	8207-50T
500kg	0.2kg	8206-05T	5000kg	2kg	8207-5T			



8201-150KG



Unit: mm

DIRECT VIEW ELECTRONIC CRANE SCALES

- Dust/waterproof level: IP65
- Aluminum alloy die casting case with high strength
- 360° safe rotary hook and shackle
- Zero-setting, weighing, subtracting tare value
- Remote control
- Overload alarm
- Automatic power off
- Unit: lb, kg



SPECIFICATION

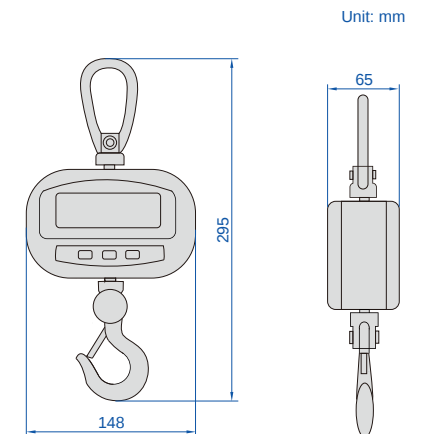
Code	8201-50KG	8201-150KG	8201-300KG
Weighing capacity	50kg	150kg	300kg
Minimal load	0.4kg	1.0kg	2.0kg
Readability (d)	0.02kg	0.05kg	0.1kg
Selectable resolution	0.01kg	0.02kg	0.05kg
Repeatability	±0.02kg	±0.05kg	±0.1kg
Linearity	±0.04kg	±0.1kg	±0.2kg
Stabilization time	8s		
Operation temperature	-10~40°C		
Operation humidity	30~90%RH		
Overload alarm	100%FS+9d		
Maximum safe load	125%FS		
Limited overload	400%FS		
Power supply	6V rechargeable Li-ion battery		
Dimension (L×W×H)	149×86×295mm		

STANDARD DELIVERY

Main unit	1 pc
Remote controller	1 pc



8202-150KG



Unit: mm

DIRECT VIEW ELECTRONIC CRANE SCALES (BASIC TYPE)

- Plastic case
- 360° safe rotary hook and shackle
- Zero-setting, weighing, subtracting tare value
- Remote control
- Overload alarm
- Automatic power off
- Unit: lb, kg

SPECIFICATION

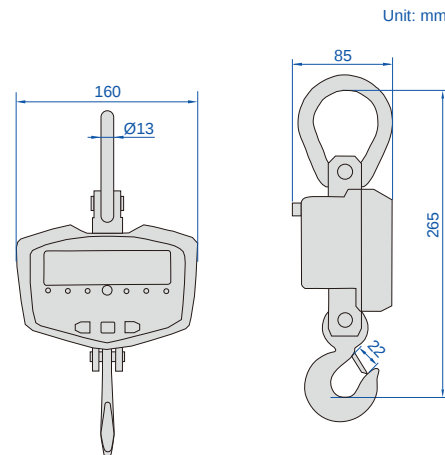
Code	8202-50KG	8202-150KG	8202-300KG
Weighing capacity	50kg	150kg	300kg
Minimal load	0.4kg	1.0kg	2.0kg
Readability (d)	0.02kg	0.05kg	0.1kg
Selectable resolution	0.01kg	0.02kg	0.05kg
Repeatability	±0.02kg	±0.05kg	±0.1kg
Linearity	±0.04kg	±0.1kg	±0.2kg
Stabilization time	8s		
Operation temperature	-10~40°C		
Operation humidity	30~90%RH		
Overload alarm	100%FS+9d		
Maximum safe load	125%FS		
Limited overload	400%FS		
Power supply	4×1.5V AA batteries		
Dimension (L×W×H)	148×65×295mm		

STANDARD DELIVERY

Main unit	1 pc
Remote controller	1 pc



8203-CW05T

remote controller
(included)

Unit: mm

ELECTRONIC CRANE SCALES (BASIC TYPE)

- Aluminum alloy die casting case with high strength
- Zero-setting, weighing, subtracting tare value
- Remote control

- Overload alarm
- Automatic power off
- Unit: lb, kg



VIDEO

SPECIFICATION

Code	8203-CW03T	8203-CW05T	8203-CW1T
Weighing capacity	300kg	500kg	1000kg
Minimal load	2kg	4kg	10kg
Readability (d)	0.1kg	0.2kg	0.5kg
Selectable resolution	0.05kg	0.1kg	0.2kg
Repeatability	±0.1kg	±0.2kg	±0.5kg
Linearity	±0.2kg	±0.4kg	±1kg
Stabilization time	10s		
Operation temperature	-10~40°C		
Operation humidity	30~90%RH		
Overload alarm	100%FS+9d		
Maximum safe load	150%FS		
Limited overload	400%FS		
Power supply	3×1.5V AA batteries		
Dimension (L×W×H)	160×85×278mm		

STANDARD DELIVERY

Main unit	1 pc
Remote controller	1 pc

POPULAR
MODEL

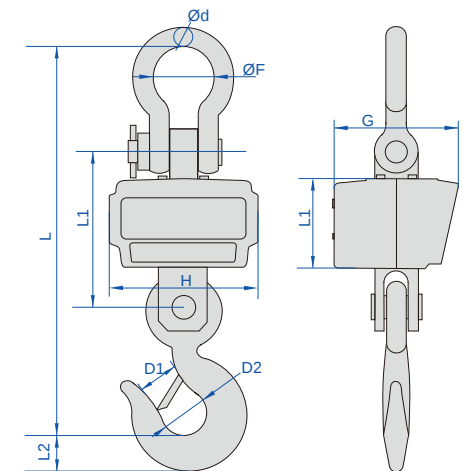
8204-CS3T

remote controller
(included)

large display (optional)



handheld display (optional)



ELECTRONIC CRANE SCALES

- Aluminum alloy die casting case with high strength
- Zero-setting, weighing, subtracting tare value
- Remote control

- Overload alarm
- Automatic power off
- Unit: lb, kg



VIDEO

SPECIFICATION

Operation temperature	-10~40°C	Code	B	G	H	L	L1	L2	D1	ØD2	Ød	ØF
Operation humidity	≤85%RH	8204-CS06T	120	163	198	420	190	33	40	47	21	76
Overload alarm	100%FS+9d	8204-CS1T	120	163	198	420	190	33	40	47	21	76
Maximum safe load	150%FS	8204-CS2T	120	163	198	420	190	33	50	47	21	76
Limited overload	400%FS	8204-CS3T	120	163	198	462	196	40	50	50	23	76
Power supply	rechargeable lead acid battery (6V/4Ah)	8204-CS5T	120	163	198	511	204	47	52	60	26	80
		8204-CS10T	135	181	206	589	239	66	52	70	36	90
		8204-CS15T	135	181	206	727	257	77	60	85	47	135

Code	Weighing capacity	Minimal load	Readability (d)	Selectable resolution	Repeatability	Linearity	Stabilization time
8204-CS06T	600kg	5kg	0.2kg	0.1kg	±0.2kg	±0.4kg	10s
8204-CS1T	1000kg	10kg	0.5kg	0.2kg	±0.5kg	±1kg	
8204-CS2T	2000kg	20kg	1kg	0.5kg	±1kg	±2kg	
8204-CS3T	3000kg	30kg	1kg	0.5kg	±1kg	±1kg	
8204-CS5T	5000kg	50kg	2kg	1kg	±2kg	±4kg	
8204-CS10T	10000kg	100kg	5kg	2kg	±5kg	±10kg	
8204-CS15T	15000kg	100kg	5kg	2kg	±5kg	±10kg	

STANDARD DELIVERY

Main unit	1 pc
Remote controller	1 pc

OPTIONAL ACCESSORY

Handheld display	8204-INDICATOR (must be supplied with scales together)
Large display	8204-SCREEN (must be supplied with scales together)



remote controller (included)



8205-3T

BUILT-IN WIRELESS CRANE SCALES

- Wireless zero-setting, weighing, subtracting tare value, accumulation
- Remote reading, wireless transmission distance up to 100 meters
- Overload alarm
- Automatic power off
- Unit: lb, kg



SPECIFICATION

Operation temperature	-10~40°C
Operation humidity	≤85%RH
Overload alarm	100%FS+9d
Maximum safe load	150%FS
Limited overload	400%FS
Power supply	6V rechargeable Li-ion battery

Code	Weighing capacity	Minimal load	Readability (d)	Repeatability	Linearity	Stabilization time
8205-2T	2t	10kg	0.5kg	±0.5kg	±1kg	8s
8205-3T	3t	20kg	1kg	±1kg	±2kg	
8205-5T	5t	40kg	2kg	±2kg	±4kg	
8205-10T	10t	100kg	5kg	±5kg	±10kg	
8205-15T	15t	100kg	5kg	±5kg	±10kg	
8205-20T	20t	200kg	10kg	±10kg	±20kg	
8205-30T	30t	200kg	10kg	±10kg	±20kg	
8205-50T	50t	400kg	20kg	±20kg	±40kg	

To be continued

Continued from previous page

STANDARD DELIVERY

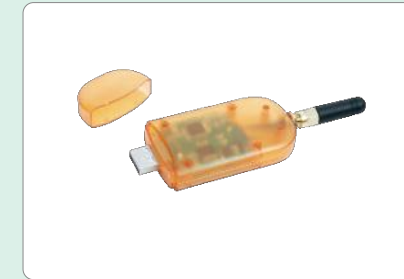
Main unit	1 pc
Remote controller	1 pc

OPTIONAL ACCESSORY

Wireless printer	8205-PRINTER (must be supplied with scales together)
Large display	8205-SCREEN (must be supplied with scales together)
Wireless receiver (serial port signal, connect to computers)	8205-RECEIVER (must be supplied with scales together)



wireless printer (optional)



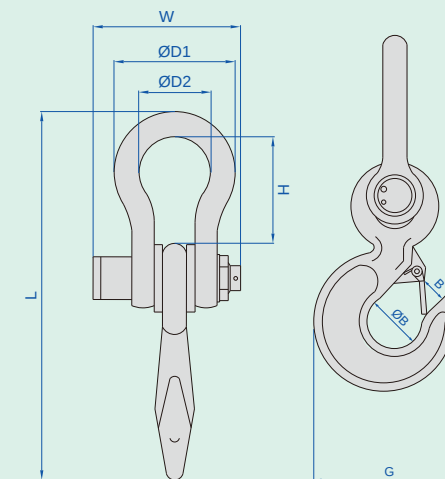
wireless receiver (optional)



large display (optional)

Code	L	H	ØD1	ØD2	W	G	B	ØB
8205-2T	319	88	132	72	198	126	34	48
8205-3T	319	88	132	72	198	126	34	48
8205-5T	407	105	160	88	219	161	42	57
8205-10T	465	105	170	95	246	202	46	65
8205-15T	520	130	215	120	263	203	60	77
8205-20T	621	135	251	142	294	284	75	105
8205-30T	770	205	325	180	356	305	85	125
8205-50T	1020	340	360	200	436	470	135	170

(mm)





HANG SCALES

CAN BE CUSTOMIZED

- Zero-setting, weighing, subtracting tare value, accumulation
- Peak (max.) and tracking mode
- Remote control

- Built-in buzzer
- Overload alarm
- Automatic power off
- Unit: kg, N



hang scale pull rings (optional)



SPECIFICATION

Stabilization time	8s
Material	alloy steel
Operation temperature	-10~55°C
Operation humidity	≤85%RH
Overload alarm	100%FS+9d
Maximum safe load	150%FS
Limited overload	300%FS
Power supply	3×1.5V AA batteries

STANDARD DELIVERY

Main unit	1 pc
Remote controller	1 pc

OPTIONAL ACCESSORY

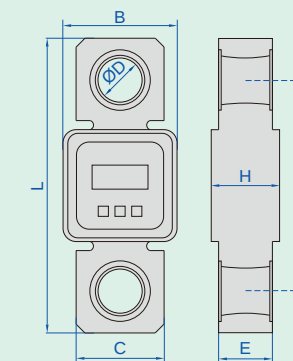
Hang scale pull rings	8290
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Code	Weighing capacity		Minimal load		Readability (d)		Selectable resolution		Accuracy	
	mass values	force values	mass values	force values	mass values	force values	mass values	force values	mass values	force values
8206-05T	0.5t	5kN	4kg	40N	0.2kg	2N	0.1kg	1N	±0.2kg	±1%
8206-1T	1t	10kN	10kg	100N	0.5kg	5N	0.2kg	2N	±0.5kg	
8206-2T	2t	20kN	20kg	200N	1kg	10N	0.5kg	5N	±1kg	
8206-3T	3t	30kN	20kg	200N	1kg	10N	0.5kg	5N	±1.5kg	
8206-5T	5t	50kN	40kg	400N	2kg	20N	1kg	10N	±2kg	
8206-10T	10t	100kN	100kg	1kN	5kg	50N	2kg	20N	±5kg	
8206-15T	15t	150kN	100kg	1kN	5kg	50N	2kg	20N	±7.5kg	
8206-20T	20t	200kN	200kg	2kN	10kg	100N	5kg	50N	±10kg	
8206-30T	30t	300kN	200kg	2kN	10kg	100N	5kg	50N	±15kg	
8206-50T	50t	500kN	400kg	4kN	20kg	200N	10kg	100N	±20kg	

To be continued

Continued from previous page

Code	Dimension (mm)						
	L	B	C	H	E	A	ØD
8206-05T	204	99	46	50	30	158	26
8206-1T	204	99	46	50	30	158	26
8206-2T	204	99	46	50	30	158	26
8206-3T	204	99	46	54	30	158	26
8206-5T	222	99	60	58	35	162	31
8206-10T	268	104	80	62	49	192	41
8206-15T	304	110	92	66	58	212	46.5
8206-20T	344	120	120	66	66	232	56.5
8206-30T	394	132	132	73	73	264	66
8206-50T	500	150	150	100	100	340	80



LCD remote controller (included)



BUILT-IN WIRELESS HANG SCALES

CAN BE CUSTOMIZED

- Wireless zero-setting, weighing, subtracting tare value, accumulation
- Peak (max.) and tracking mode
- Wireless transmission distance up to 100 meters
- LCD handheld display, remote control
- Built-in buzzer
- Overload alarm
- Automatic power off
- Unit: kg, N



hang scale pull rings (optional)



To be continued

Continued from previous page

SPECIFICATION

Stabilization time	8s
Material	alloy steel
Operation temperature	-10~55°C
Operation humidity	≤85%RH
Overload alarm	100%FS+9d
Maximum safe load	150%FS
Limited overload	300%FS
Power supply	3×1.5V AA batteries

STANDARD DELIVERY

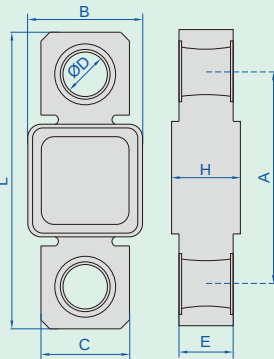
Main unit	1 pc
LCD remote controller	1 pc

OPTIONAL ACCESSORY

Hang scale pull rings	8290
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Code	Weighing capacity		Minimal load		Readability (d)		Selectable resolution		Accuracy	
	mass values	force values	mass values	force values	mass values	force values	mass values	force values	mass values	force values
8207-05T	0.5t	5kN	4kg	40N	0.2kg	2N	0.1kg	1N	±0.2kg	±1%
8207-1T	1t	10kN	10kg	100N	0.5kg	5N	0.2kg	2N	±0.5kg	
8207-2T	2t	20kN	20kg	200N	1kg	10N	0.5kg	5N	±1kg	
8207-3T	3t	30kN	20kg	200N	1kg	10N	0.5kg	5N	±1.5kg	
8207-5T	5t	50kN	40kg	400N	2kg	20N	1kg	10N	±2kg	
8207-10T	10t	100kN	100kg	1kN	5kg	50N	2kg	20N	±5kg	
8207-15T	15t	150kN	100kg	1kN	5kg	50N	2kg	20N	±7.5kg	
8207-20T	20t	200kN	200kg	2kN	10kg	100N	5kg	50N	±10kg	
8207-30T	30t	300kN	200kg	2kN	10kg	100N	5kg	50N	±15kg	±1%
8207-50T	50t	500kN	400kg	4kN	20kg	200N	10kg	100N	±20kg	

Code	Dimension (mm)						
	L	B	C	H	E	A	ØD
8207-05T	204	99	46	50	30	158	26
8207-1T	204	99	46	50	30	158	26
8207-2T	204	99	46	50	30	158	26
8207-3T	204	99	46	54	30	158	26
8207-5T	222	99	60	58	35	162	31
8207-10T	268	104	80	62	49	192	41
8207-15T	304	110	92	66	58	212	46.5
8207-20T	344	120	120	66	66	232	56.5
8207-30T	394	132	132	73	73	264	66
8207-50T	500	150	150	100	100	340	80



PORTABLE CRANE SCALE
CODE 8 6 0 4 - 4 0

ATTENTION: LOW ACCURACY

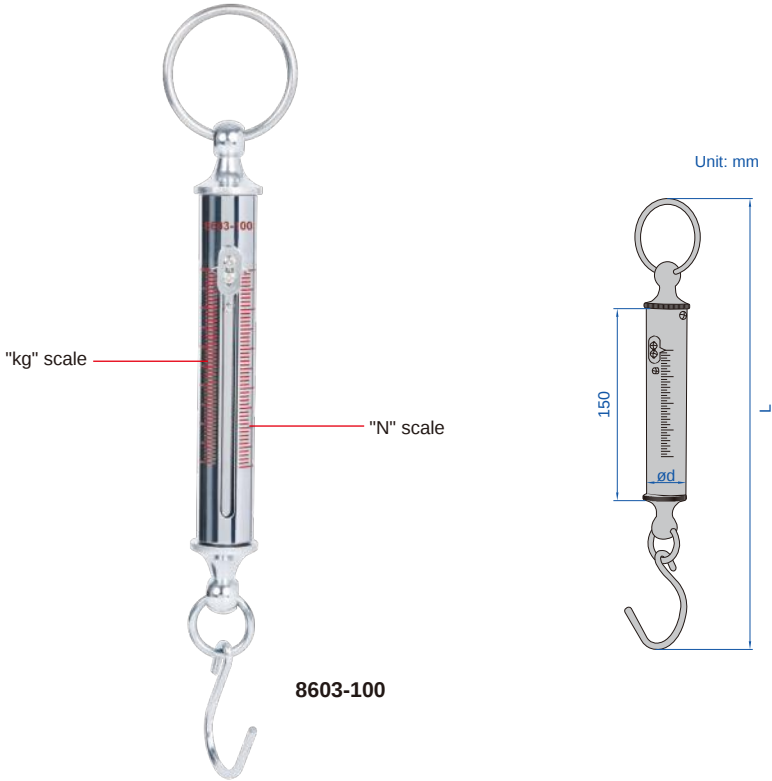
- Zero-setting, weighing, subtracting tare value
- LCD display, with backlight
- Automatic power off
- Unit: kg

SPECIFICATION

Weighing capacity	40kg
Minimal load	1kg
Readability (d)	50g
Repeatability	±100g
Linearity	±200g
Stabilization time	5s
Operation temperature	-10~45°C
Operation humidity	30~90%RH
Limited load	50kg
Power supply	2×AAA batteries

built-in measuring tape (included)





8603-100

TUBE FORCE GAUGES

- Suitable for measuring weight and tensile forces

SPECIFICATION

Code	8603-10	8603-20	8603-30	8603-50
Max. test force	10N/1kg	20N/2kg	30N/3kg	50N/5kg
Resolution	0.2N/0.02kg	0.4N/0.04kg	0.5N/0.05kg	1N/0.1kg
Unit	kg, N			
Accuracy	±2%FS			
Tube diameter (Ød)	22mm	22mm	22mm	22mm
Overall length (L)	280mm	280mm	280mm	280mm
Operation temperature	-10~40°C			
Operation humidity	30~90%RH			
Maximum safe load	120%FS			
Limited overload	240%FS			

Code	8603-100	8603-200	8603-500	8603-1000
Max. test force	100N/10kg	200N/20kg	500N/50kg	1000N/100kg
Resolution	2N/0.2kg	4N/0.4kg	10N/1kg	20N/2kg
Unit	kg, N			
Accuracy	±2%FS			
Tube diameter (Ød)	25mm	32mm	50mm	50mm
Overall length (L)	340mm	340mm	455mm	455mm
Operation temperature	-10~40°C			
Operation humidity	30~90%RH			
Maximum safe load	120%FS			
Limited overload	240%FS			



8290-1

HANG SCALE PULL RINGS

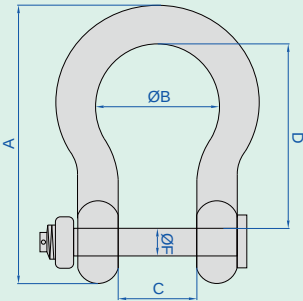
- Used with 8206 series and 8207 series hang scales

SPECIFICATION

Code	Material	Dimension (mm)					Adapted products
		A	ØB	C	D	ØF	
8290-1	alloy steel	169	76	33	107	25	8207-05T, 8207-1T, 8207-2T, 8207-3T, 8206-05T, 8206-1T, 8206-2T, 8206-3T
8290-2		192	90	38	125	30	8206-5T, 8207-5T
8290-3		241	100	52	145	40	8206-10T, 8207-10T
8290-4		318	135	65	202	45	8206-15T, 8207-15T
8290-5		355	150	69	221	55	8206-20T, 8207-20T
8290-6		448	150	76	279	65	8206-30T, 8207-30T
8290-7		504	214	125	313	79	8206-50T, 8207-50T

STANDARD DELIVERY

Main unit	1 pair
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application

WEIGHTS



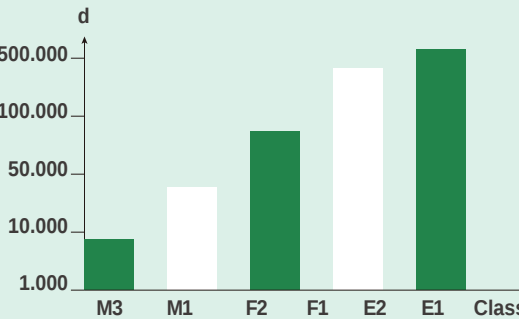
HOW TO CHOOSE NECESSARY WEIGHT YOU NEED

Maximum susceptibility, X

Weight class	E1	E2	F1	F2
m≤1g	0.25	0.9	10	-
2g≤m≤10g	0.06	0.18	0.7	4
20g≤m	0.02	0.07	0.2	0.8

Maximum polarization, μ0M, (μT)

Weight class	E1	E2	F1	F2	M1	M1-2	M2	M2-3	M3
Maximum polarization	2.5	8	25	80	250	500	800	1600	2500
A/m	2	6.4	20	64	200	400	640	1280	2000



Weight intervals n = $\frac{\text{Max.load capacity}}{\text{Scale interval d}}$		
Accuracy of the balance (scale)	Resolution of the balance: quotient of max. rang/readability	Required tolerance class of the weights
IV Ordinary accuracy scale	≤1.000d	Class M3
II Medium accuracy scale	≤10.000d	Class M1
II Precision balance	≤30.000d	Class F2
	≤100.000d	Class F1
I Analytical balance	ab 100.000d	Class E2

Density of weights material

Material	Density	Density uncertainty
	kg/m³	kg/m³ U(k=2)
high quality stainless steel	8000	±80
non-magnetic stainless steel	7950	±100
stainless steel	7900	±140
steel	7850	±200
cast Iron	7200	±400
aluminium	2700	±120
brass	8500	±100

OIML R111-2004 tolerance ±mg

Weight	E2	F1	F2	M1
1mg	0.006mg	0.020mg	0.06mg	0.20mg
2mg	0.006mg	0.020mg	0.06mg	0.20mg
5mg	0.006mg	0.020mg	0.06mg	0.20mg
10mg	0.008mg	0.025mg	0.08mg	0.25mg
20mg	0.010mg	0.03mg	0.10mg	0.3mg
50mg	0.012mg	0.04mg	0.12mg	0.4mg
100mg	0.016mg	0.05mg	0.16mg	0.5mg
200mg	0.020mg	0.06mg	0.20mg	0.6mg
500mg	0.025mg	0.08mg	0.25mg	0.8mg
1g	0.03mg	0.10mg	0.3mg	1.0mg
2g	0.04mg	0.12mg	0.4mg	1.2mg
5g	0.05mg	0.16mg	0.5mg	1.6mg
10g	0.06mg	0.20mg	0.6mg	2.0mg
20g	0.08mg	0.25mg	0.8mg	2.5mg
50g	0.10mg	0.3mg	1.0mg	3.0mg
100g	0.16mg	0.5mg	1.6mg	5.0mg
200g	0.3mg	1.0mg	3.0mg	10mg
500g	0.8mg	2.5mg	8.0mg	25mg
1kg	1.6mg	5.0mg	16mg	50mg
2kg	3.0mg	10mg	30mg	100mg
5kg	8.0mg	25mg	80mg	250mg
10kg	16mg	50mg	160mg	500mg
20kg	30mg	100mg	300mg	1000mg

Minimum and maximum limits for density (pmin pmax)

Weight	pmin pmax (10³kg/m³)						
	Class of weight (for class M3 no value is specified)						
	E2	F1	F2	M1	M12	M2	M23
≥100g	7.81-8.21	7.39-8.73	6.4-10.7	≥4.4	>3.0	≥2.3	≥1.5
50g	7.74-8.28	7.27-8.89	6.0-12.0	≥4.0			
20g	7.50-8.57	6.6-10.1	4.8-24.0	≥2.6			
20g	7.27-8.89	6.0-12.0	≥4.0	≥2.0			
5g	6.9-9.6	5.3-16.0	≥3.0				
2g	6.0-12.0	≥4.0	≥2.0				
1g	5.3-16.0	≥3.0					
500mg	≥4.4	≥2.2					
200mg	≥3.0						



Application scenarios:



» Scientific research & Laboratory

Precision Instrument Calibration: High-accuracy weights (e.g., E1/E2 grade) made of non-magnetic stainless steel or titanium alloy calibrate analytical balances (0.0001g precision), ensuring reliability in physics/chemistry experiments.

Microscale Applications: Milligram/microgram weights enable nanomaterial weighing and biomedical drug dosage measurement (e.g., active pharmaceutical ingredients)



» Industrial manufacturing & Quality control

Production Line Calibration: F1/F2 grade weights verify industrial scales (e.g., pharmaceutical batching systems, automotive part weighing).

Counterweight & Stability Testing

Cast iron weights (1–20 tons) serve as: Crane/drawbridge counterweights;

Elevator load-safety simulators;

Shipyard hull balance adjusters



» Commercial trade & Regulation

Fair Trade Enforcement: M1/M2 grade weights compulsorily verify supermarket scales and fuel dispensers to prevent fraud.

Logistics & Cross-Border Trade: Calibrate freight scales for accurate shipping costs; standardize mass units in mineral/agricultural exports.



» Specialized industrial applications

Hazardous Environments: Stainless steel weights with anti-corrosion properties calibrate explosion-proof scales in chemical/oil storage.

Customized Tooling: Hooked weights test elevator cable tension.

Slotted weights ("Test Weights") fit industrial bench scales.



» Emerging trends & Innovations

Miniaturization & Smart Calibration: IoT-enabled weights automate batch calibration (+60% efficiency) with real-time data traceability.

Material Advancements: Carbon fiber composite weights (lightweight/high-stability) replace metals in aerospace component testing.

Global Standardization

ASTM-ISO mutual recognition reduces multinational calibration costs.

POPULAR
MODEL



WEIGHTS

- Class: E2, F1, F2, M1
- Supplied with manufacturer inspection certificate

Weight	Class and material						Shape
	E2 (non-magnetic stainless steel)	F1 (non-magnetic stainless steel)	F1 (304 stainless steel)	F2 (304 stainless steel)	M1 (304 stainless steel)	M1 (2Cr13 stainless steel)	
1mg	8911-1MGE2	8911-1MGF1	8911-1MGF1S	8911-1MGF2	8911-1MGM1	8911-1MGM1C	sheet
2mg	8911-2MGE2	8911-2MGF1	8911-2MGF1S	8911-2MGF2	8911-2MGM1	8911-2MGM1C	
5mg	8911-5MGE2	8911-5MGF1	8911-5MGF1S	8911-5MGF2	8911-5MGM1	8911-5MGM1C	
10mg	8911-10MGE2	8911-10MGF1	8911-10MGF1S	8911-10MGF2	8911-10MGM1	8911-10MGM1C	
20mg	8911-20MGE2	8911-20MGF1	8911-20MGF1S	8911-20MGF2	8911-20MGM1	8911-20MGM1C	
50mg	8911-50MGE2	8911-50MGF1	8911-50MGF1S	8911-50MGF2	8911-50MGM1	8911-50MGM1C	
100mg	8911-100MGE2	8911-100MGF1	8911-100MGF1S	8911-100MGF2	8911-100MGM1	8911-100MGM1C	cylinder
200mg	8911-200MGE2	8911-200MGF1	8911-200MGF1S	8911-200MGF2	8911-200MGM1	8911-200MGM1C	
500mg	8911-500MGE2	8911-500MGF1	8911-500MGF1S	8911-500MGF2	8911-500MGM1	8911-500MGM1C	
1g	8911-1GE2	8911-1GF1	8911-1GF1S	8911-1GF2	8911-1GM1	8911-1GM1C	
2g	8911-2GE2	8911-2GF1	8911-2GF1S	8911-2GF2	8911-2GM1	8911-2GM1C	
5g	8911-5GE2	8911-5GF1	8911-5GF1S	8911-5GF2	8911-5GM1	8911-5GM1C	
10g	8911-10GE2	8911-10GF1	8911-10GF1S	8911-10GF2	8911-10GM1	8911-10GM1C	
20g	8911-20GE2	8911-20GF1	8911-20GF1S	8911-20GF2	8911-20GM1	8911-20GM1C	
50g	8911-50GE2	8911-50GF1	8911-50GF1S	8911-50GF2	8911-50GM1	8911-50GM1C	
100g	8911-100GE2	8911-100GF1	8911-100GF1S	8911-100GF2	8911-100GM1	8911-100GM1C	
200g	8911-200GE2	8911-200GF1	8911-200GF1S	8911-200GF2	8911-200GM1	8911-200GM1C	
500g	8911-500GE2	8911-500GF1	8911-500GF1S	8911-500GF2	8911-500GM1	8911-500GM1C	
1kg	8911-1KGE2	8911-1KGF1	8911-1KGF1S	8911-1KGF2	8911-1KGM1	8911-1KGM1C	
2kg	8911-2KGE2	8911-2KGF1	8911-2KGF1S	8911-2KGF2	8911-2KGM1	8911-2KGM1C	
5kg	8911-5KGE2	8911-5KGF1	8911-5KGF1S	8911-5KGF2	8911-5KGM1	8911-5KGM1C	
10kg	8911-10KGE2	8911-10KGF1	8911-10KGF1S	8911-10KGF2	8911-10KGM1	8911-10KGM1C	
20kg	8911-20KGE2	8911-20KGF1	8911-20KGF1S	8911-20KGF2	8911-20KGM1	8911-20KGM1C	
25kg	8911-25KGE2	8911-25KGF1	8911-25KGF1S	8911-25KGF2	8911-25KGM1	8911-25KGM1C	

CAN BE CUSTOMIZED



8910-5KGF1

WEIGHT SETS



- Class: E2, F1, F2, M1
- Supplied with manufacturer inspection certificate

CLASS AND MATERIAL

Specification	Code				
	E2 (non-magnetic stainless steel)	F1 (non-magnetic stainless steel)	F1 (304 stainless steel)	F2 (304 stainless steel)	M1 (304 stainless steel)
1mg~100g	8910-100GE2	8910-100GF1	8910-100GF1S	8910-100GF2	8910-100GM1
1mg~200g	8910-200GE2	8910-200GF1	8910-200GF1S	8910-200GF2	8910-200GM1
1mg~500g	8910-500GE2	8910-500GF1	8910-500GF1S	8910-500GF2	8910-500GM1
1mg~1kg	8910-1KGE2	8910-1KGF1	8910-1KGF1S	8910-1KGF2	8910-1KGM1
1mg~2kg	8910-2KGE2	8910-2KGF1	8910-2KGF1S	8910-2KGF2	8910-2KGM1
1mg~5kg	8910-5KGE2	8910-5KGF1	8910-5KGF1S	8910-5KGF2	8910-5KGM1

SPECIFICATION AND SHAPE

Weight	Specification					
	1mg~100g	1mg~200g	1mg~500g	1mg~1kg	1mg~2kg	1mg~5kg
1mg	●	●	●	●	●	●
2mg	● ● *	● ● *	● ● *	● ● *	● ● *	● ● *
5mg	●	●	●	●	●	●
10mg	●	●	●	●	●	●
20mg	● ● *	● ● *	● ● *	● ● *	● ● *	● ● *
50mg	●	●	●	●	●	●
100mg	●	●	●	●	●	●
200mg	● ● *	● ● *	● ● *	● ● *	● ● *	● ● *
500mg	●	●	●	●	●	●
1g	■	■	■	■	■	■
2g	■ ■ *	■ ■ *	■ ■ *	■ ■ *	■ ■ *	■ ■ *
5g	■	■	■	■	■	■
10g	■	■	■	■	■	■
20g	■ ■ *	■ ■ *	■ ■ *	■ ■ *	■ ■ *	■ ■ *
50g	■	■	■	■	■	■
100g	■	■	■	■	■	■
200g		■ ■ *	■ ■ *	■ ■ *	■ ■ *	■ ■ *
500g			■	■	■	■
1kg				■	■	■
2kg					■ ■ *	■ ■ *
5kg						■
Quantity	21 pcs	23 pcs	24 pcs	25 pcs	27 pcs	28 pcs
Total range	1mg~211.11g	1mg~611.11g	1mg~1111.11g	1mg~2111.11g	1mg~6111.11g	1mg~11111.11g

- sheet
- * sheet, with mark
- cylinder
- * cylinder, with mark



8912-10KM1



aluminum box (included)

STAINLESS STEEL WEIGHTS

CAN BE CUSTOMIZED



- Weight range: 500g~25kg
- Class: F1, F2, M1
- Supplied with manufacturer inspection certificate

SPECIFICATION

Weight	Class and material		
	F1 (304 stainless steel)	F2 (304 stainless steel)	M1 (304 stainless steel)
500g	8912-500F1	8912-500F2	8912-500M1
1kg	8912-1KF1	8912-1KF2	8912-1KM1
2kg	8912-2KF1	8912-2KF2	8912-2KM1
5kg	8912-5KF1	8912-5KF2	8912-5KM1
10kg	8912-10KF1	8912-10KF2	8912-10KM1
15kg	8912-15KF1	8912-15KF2	8912-15KM1
20kg	8912-20KF1	8912-20KF2	8912-20KM1
25kg	8912-25KF1	8912-25KF2	8912-25KM1



8913-10M2

CAST IRON WEIGHTS

CAN BE CUSTOMIZED



- Weight range: 1kg~1000kg
- Class: M1, M2
- Supplied with manufacturer inspection certificate

SPECIFICATION

Weight	Class		Weight	Class	
	M1	M2		M1	M2
1kg	8913-1M1	8913-1M2	25kg	8913-25M1	8913-25M2
2kg	8913-2M1	8913-2M2	50kg	8913-50M1	8913-50M2
5kg	8913-5M1	8913-5M2	100kg	8913-100M1	8913-100M2
10kg	8913-10M1	8913-10M2	200kg	8913-200M1	8913-200M2
20kg	8913-20M1	8913-20M2	500kg	8913-500M1	8913-500M2
			1000kg	8913-1000M1	8913-1000M2



8914-1KGF2



8914-2KGF2

SINGLE HOOK WEIGHTS

CAN BE CUSTOMIZED

ATTENTION: THE GRAVITATIONAL ACCELERATION G OF THE FORCE WEIGHTS IS TAKEN AS 9.8m/s²



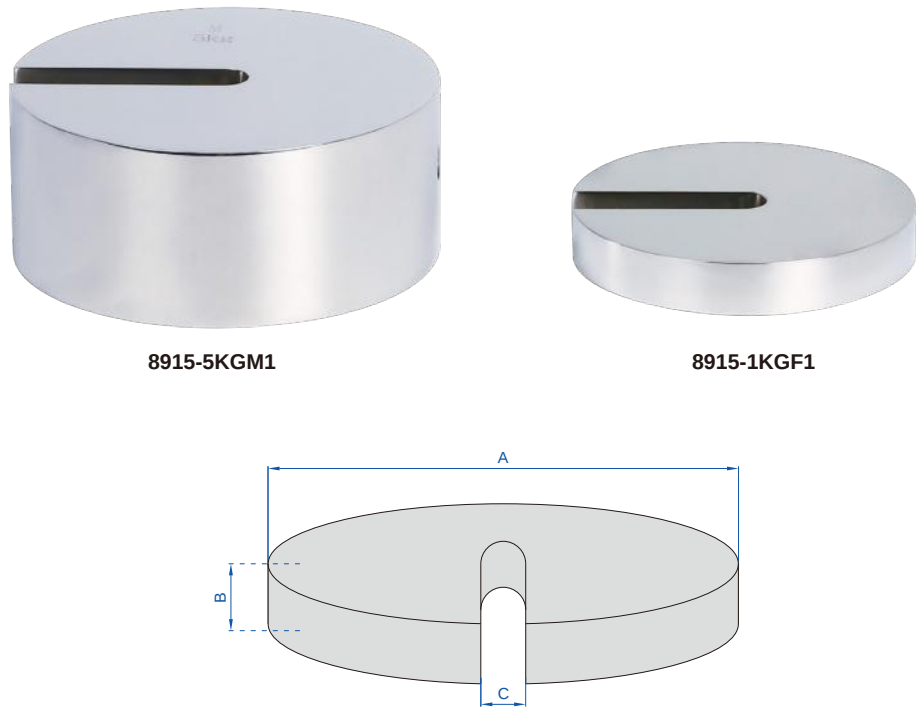
- Weight range: 1g~20kg/1N~200N
- Class: F1, F2, M1
- Supplied with manufacturer inspection certificate

SINGLE HOOK WEIGHTS FOR FORCE VALUES

Weight	Class and material		
	F1 (304 stainless steel)	F2 (304 stainless steel)	M1 (2Cr13 stainless steel)
1N	8914-1NF1	8914-1NF2	8914-1NM1
2N	8914-2NF1	8914-2NF2	8914-2NM1
5N	8914-5NF1	8914-5NF2	8914-5NM1
10N	8914-10NF1	8914-10NF2	8914-10NM1
20N	8914-20NF1	8914-20NF2	8914-20NM1
50N	8914-50NF1	8914-50NF2	8914-50NM1
100N	8914-100NF1	8914-100NF2	8914-100NM1
200N	8914-200NF1	8914-200NF2	8914-200NM1

SINGLE HOOK WEIGHTS FOR MASS VALUES

Weight	Class and material		
	F1 (304 stainless steel)	F2 (304 stainless steel)	M1 (2Cr13 stainless steel)
1g	8914-1GF1	8914-1GF2	8914-1GM1
2g	8914-2GF1	8914-2GF2	8914-2GM1
5g	8914-5GF1	8914-5GF2	8914-5GM1
10g	8914-10GF1	8914-10GF2	8914-10GM1
20g	8914-20GF1	8914-20GF2	8914-20GM1
50g	8914-50GF1	8914-50GF2	8914-50GM1
100g	8914-100GF1	8914-100GF2	8914-100GM1
200g	8914-200GF1	8914-200GF2	8914-200GM1
500g	8914-500GF1	8914-500GF2	8914-500GM1
1kg	8914-1KGF1	8914-1KGF2	8914-1KGM1
2kg	8914-2KGF1	8914-2KGF2	8914-2KGM1
5kg	8914-5KGF1	8914-5KGF2	8914-5KGM1
10kg	8914-10KGF1	8914-10KGF2	8914-10KGM1
15kg	8914-15KGF1	8914-15KGF2	8914-15KGM1
20kg	8914-20KGF1	8914-20KGF2	8914-20KGM1



SLOTTED WEIGHTS

CAN BE CUSTOMIZED

ATTENTION: THE GRAVITATIONAL ACCELERATION G OF THE FORCE WEIGHTS IS TAKEN AS 9.8m/s².



- Supplied with manufacturer inspection certificate

SLOTTED WEIGHTS FOR MASS VALUES

Weight	Class and material			Dimension (mm)		
	F1 (304 stainless steel)	F2 (304 stainless steel)	M1 (2Cr13 stainless steel)	A	B	C
50g	8915-50GF1	8915-50GF2	8915-50GM1	38	7.1	8
100g	8915-100GF1	8915-100GF2	8915-100GM1	48	8.5	8
200g	8915-200GF1	8915-200GF2	8915-200GM1	48	17.2	8
500g	8915-500GF1	8915-500GF2	8915-500GM1	83	14	8
1kg	8915-1KGF1	8915-1KGF2	8915-1KGM1	103	17	14
2kg	8915-2KGF1	8915-2KGF2	8915-2KGM1	103	34	14
5kg	8915-5KGF1	8915-5KGF2	8915-5KGM1	128	54	14
10kg	8915-10KGF1	8915-10KGF2	8915-10KGM1	180	54	14
20kg	8915-20KGF1	8915-20KGF2	8915-20KGM1	180	108	14

Continued from previous page

SLOTTED WEIGHTS FOR FORCE VALUES

Weight	Class and material			Dimension (mm)		
	F1 (304 stainless steel)	F2 (304 stainless steel)	M1 (2Cr13 stainless steel)	A	B	C
1N	8915-1NF1	8915-1NF2	8915-1NM1	48	8.5	8
2N	8915-2NF1	8915-2NF2	8915-2NM1	48	17.2	8
5N	8915-5NF1	8915-5NF2	8915-5NM1	83	14	8
10N	8915-10NF1	8915-10NF2	8915-10NM1	103	17	14
20N	8915-20NF1	8915-20NF2	8915-20NM1	103	34	14
50N	8915-50NF1	8915-50NF2	8915-50NM1	128	54	14
100N	8915-100NF1	8915-100NF2	8915-100NM1	180	54	14
200N	8915-200NF1	8915-200NF2	8915-200NM1	180	108	14

OPTIONAL ACCESSORY

Pallet weights	customizable
Concave-convex slotted weights	customizable



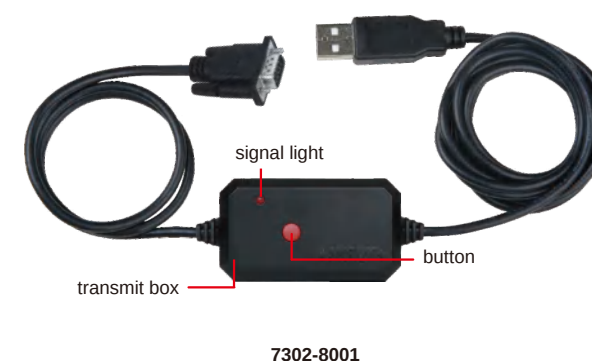
304 stainless steel pallet weights (customizable)



concave-convex slotted weights (customizable)

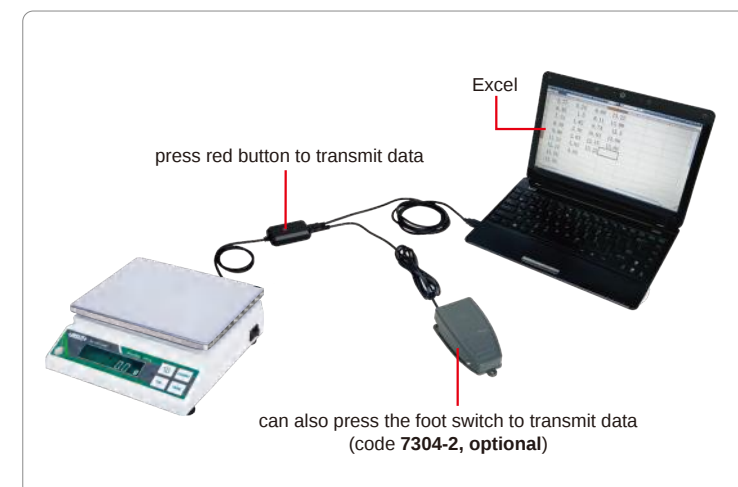
DATA TRANSMISSION

DATA OUTPUT CABLES (KEYBOARD FORMAT)

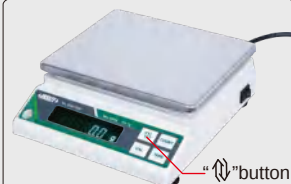


7302-8001

application

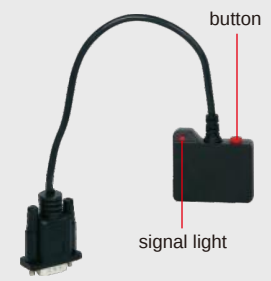
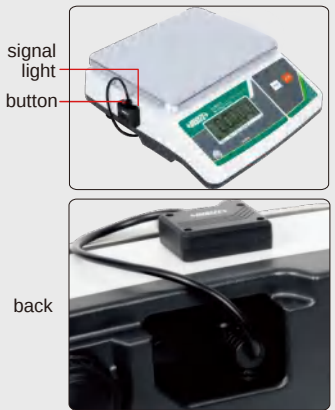
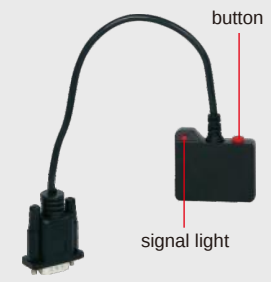
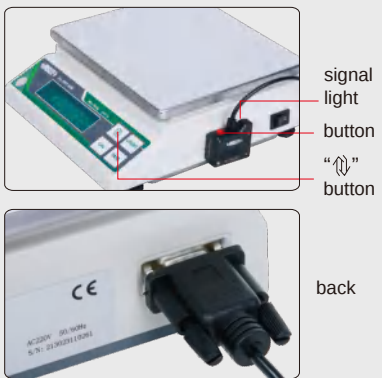


- Recognized as HID keyboard device by computer, no need to install drivers and softwares
- Data can be transmitted to Excel, Word, txt and other files (press transmit button, which is recognized by the computer as keyboard input data and press enter key, such as 12.34↵)
- For any softwares which can receive keyboard signal
- Optional accessory: foot switch (**code 7304-2**)

Code	Description	Plug	Connecting with measuring tool	Transmit data
7302-8001	cable for weighing scales (length 2.5m)		 for 8001-D , 8101-D series weighing scales and 8307 series electronic balances and 8501 series platform scales	▪ Press the button of the transmit box, or press the foot switch ▪ Data is transmitted once, the signal light of the transmit box flashes once
7302-8301	cable for electronic balances (length 2.5m)		 for electronic balances (such as 8301 , 8305 series)	▪ Press the “μ” button of electronic balance, can also press the button of the transmit box, or press the foot switch ▪ Data is transmitted once, the signal light of the transmit box flashes once

WIRELESS DATA TRANSMISSION SYSTEM

- Through wireless transmission, the readings of measuring tools can be transmitted to computers or mobile phone
- Conform to IEEE802 wireless standard 2.4GHz band communication frequency
- Transmission distance is 15 meter (under the condition of no obstruction and no electromagnetic interference)
- Optional accessory: receiver (**code 7315-2/3/6/7/8/9**)

Code	Description	Plug	Connecting with measuring tool	Transmit data
7315-8001	transmitter for electronic balances		 for 8001-6D, 8001-15D, 8001-30D series weighing scales and 8501 series platform scales	▪ Press the button of the transmitter ▪ Data is transmitted once, the signal light of the transmitter flashes once
7315-8301	transmitter for electronic balances			▪ Press the "↕" button of the electronic balances, can also press the button of the transmitter ▪ Data is transmitted once, the signal light of the transmitter flashes once

Receiver (text format, virtual com port)

- For computers with windows system
- Text format virtual com port, converted to keyboard format with supplied software
- Supplied with Excel directional input software
- Measurement data can be transmitted to excel, word, txt etc. and any software which receives keyboard signal

Code	Product	Description	Remark
7315-2		multichannel receiver	connected with maximum 16 transmitters, each of them has unique identification code

Excel directional input software

- Supplied with **7315-2** receiver
- The readings of measuring tools can be transmitted to the designated area of excel which facilitates data management and improves efficiency

Excel directional input software (included in 7315-2), application example 1

Set the display area of caliper at B4-B9.

the readings of caliper are displayed at B4, B5...B9.

Set the display area of micrometer at C4-C9,

the readings of micrometer are displayed at C4, C5... C9

Set the display area of height gauge at D4-D9,

the readings of height gauge are displayed at D4, D5... D9.

	A	B	C	D
1	Project	Length	Width	Height
2	Dimension and Tolerance	50±0.05	24±0.01	10+0.05/-0.06
3	Measuring tool	Caliper	Micrometer	Height gage
4	1	50.02	24.004	9.98
5	2	50.01	24.010	10.01
6	3	49.99	23.990	10.02
7	4	50.00	23.996	9.99
8	5	50.04	24.000	10.01
9	6	Channel 1	Channel 2	Channel 3

serial of workpieces

the next data display area is indicated in green

Excel directional input software (included in 7315-2), application example 2

Set the display area of micrometer at B4-C9,

data input is from the left to the right.

the readings of micrometer are displayed at

B4, C4, B5, C5... B9, C9.

Set the display area of caliper at D4-D9,

the readings of caliper are displayed at D4, D5... D9.

Set the display area of depth gauge at E4-E9,

the readings of depth gauge are displayed at

E4, E5... E9.

	A	B	C	D	E
1	Project	External diameter1	External diameter2	Length	Depth
2	Dimension and Tolerance	Φ23+0.01/-0.02	Φ21+0.01/-0.02	50±0.04	28±0.05
3	Measuring tool	Micrometer	Micrometer	Caliper	Depth gage
4	1	23.010	21.008	49.98	28.01
5	2	23.010	21.000	49.98	27.98
6	3	22.999	21.000	50	28
7	4	23.007	20.998	50	28
8	5	23.000	20.985	50.01	28.01
9	6	23.008	Channel 1	Channel 2	Channel 3

serial of workpieces

the next data display area is indicated in green



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