

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

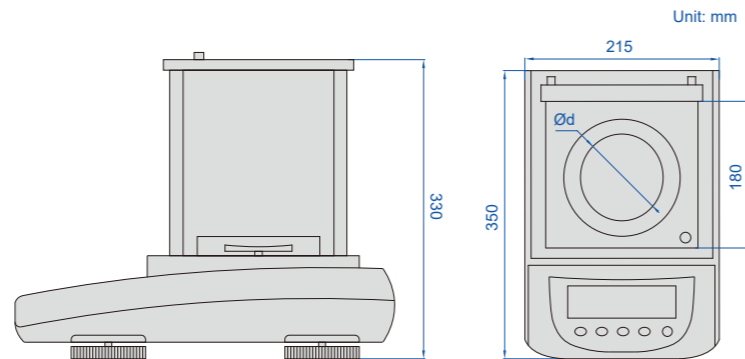
With the high demand for accuracy and certainty in university laboratories, electronic balances have become an important tool in substance detection, analysis and chemistry experiments.

INSIZE Quick-Finder:

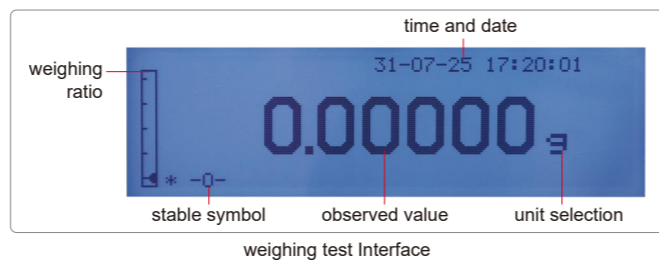
| Resolution (d) | Weighing capacity | Internal calibration | Dimension of pan | Code | Resolution (d) | Weighing capacity | Internal calibration | Dimension of pan | Code |
|----------------|-------------------|----------------------|------------------|------------------|----------------|-------------------|----------------------|------------------|-------------------|
| 0.00001g | 62g | √ | Ø80mm | 8313-62A | 0.001g | 520g | √ | Ø90mm | 8319-520 |
| 0.00001g | 42g | √ | Ø80mm | 8313-42A | 0.001g | 520g | — | Ø80mm | 8303-520 |
| 0.0001g | 310g | √ | Ø80mm | 8312-310A | 0.001g | 520g | √ | Ø90mm | 8102-520 |
| 0.0001g | 220g | — | Ø80mm | 8312-220 | 0.001g | 320g | √ | Ø90mm | 8319-320 |
| 0.0001g | 220g | √ | Ø80mm | 8312-220A | 0.001g | 320g | — | Ø80mm | 8303-320 |
| 0.0001g | 220g | — | Ø80mm | 8311-220 | 0.001g | 320g | √ | Ø90mm | 8102-320 |
| 0.0001g | 120g | — | Ø80mm | 8312-120 | 0.001g | 220g | √ | Ø90mm | 8319-220 |
| 0.0001g | 120g | √ | Ø80mm | 8312-120A | 0.001g | 220g | — | Ø80mm | 8303-220 |
| 0.0001g | 120g | — | Ø80mm | 8311-120 | 0.001g | 220g | √ | Ø90mm | 8102-220 |
| 0.0001g | 60g | — | Ø80mm | 8311-60 | 0.01g | 5000g | — | 156×156mm | 8318-5000F |
| 0.001g | 2020g | — | Ø120mm | 8303-2020 | 0.01g | 5000g | — | 168×168mm | 8318-5000 |
| 0.001g | 1520g | √ | Ø120mm | 8319-1520 | 0.01g | 3200g | — | 156×156mm | 8318-3200F |
| 0.001g | 1520g | — | Ø120mm | 8303-1520 | 0.01g | 3200g | — | 168×168mm | 8318-3200 |
| 0.001g | 1520g | √ | Ø120mm | 8102-1520 | 0.01g | 2200g | — | 156×156mm | 8318-2200F |
| 0.001g | 1020g | √ | Ø120mm | 8319-1020 | 0.01g | 2200g | — | 168×168mm | 8318-2200 |
| 0.001g | 1020g | — | Ø120mm | 8303-1020 | 0.01g | 1200g | — | 156×156mm | 8318-1200F |
| 0.001g | 1020g | √ | Ø120mm | 8102-1020 | 0.01g | 1200g | — | 168×168mm | 8318-1200 |
| 0.001g | 620g | √ | Ø90mm | 8319-620 | 0.01g | 620g | — | Ø133mm | 8318-620F |
| 0.001g | 620g | — | Ø80mm | 8303-620 | 0.01g | 220g | — | Ø133mm | 8318-220F |
| 0.001g | 620g | √ | Ø90mm | 8102-620 | | | | | |



8313-62A



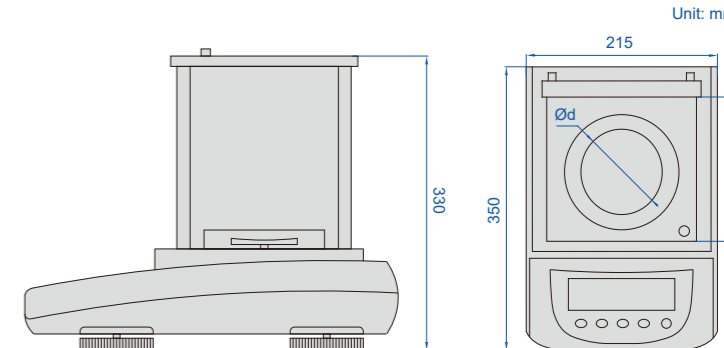
Unit: mm



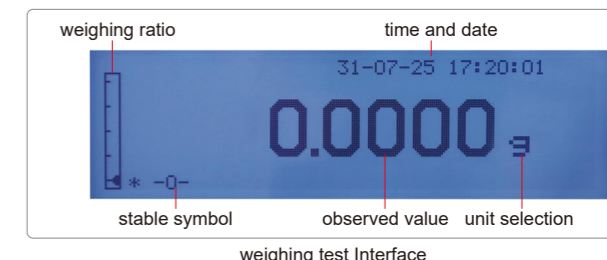
weighing test Interface



8312-220



Unit: mm



weighing test Interface

SEMIMICRO ELECTRONIC BALANCES

INSIZE PLUS DATA OUTPUT HIGH ACCURACY INTERNAL 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 | |

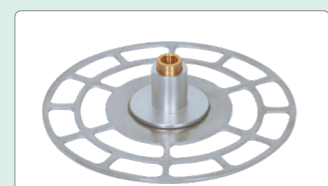
STANDARD DELIVERY

| | |
|----------------------|--------|
| 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)

ELECTRONIC ANALYTICAL BALANCES

INSIZE PLUS DATA OUTPUT HIGH 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



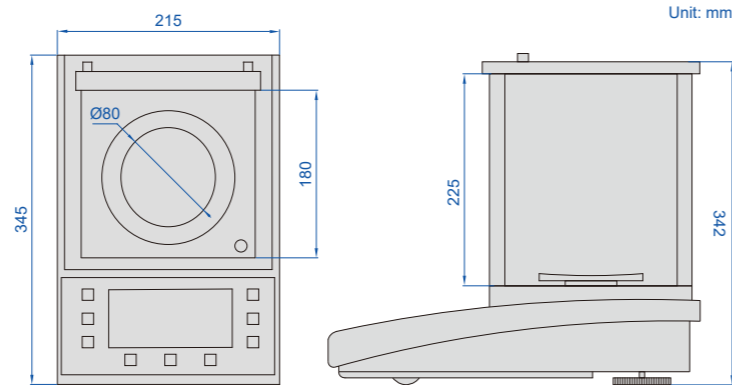
printer (optional)



portable ioniser (optional)



8311-220



Unit: mm



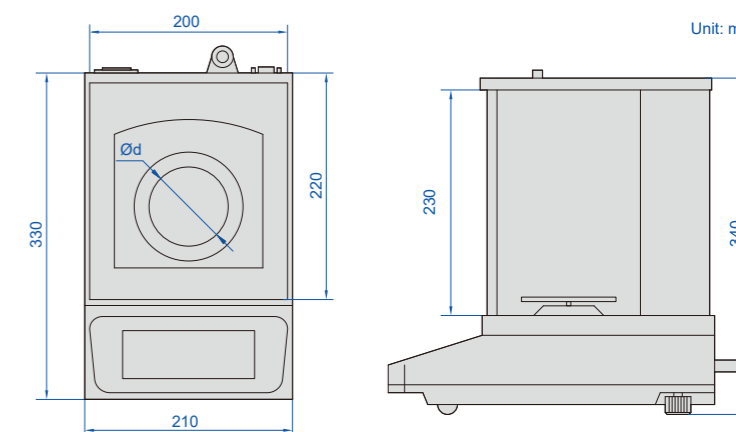
class F1 calibration weight (included)



printer (optional)



8319-320



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

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



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 |

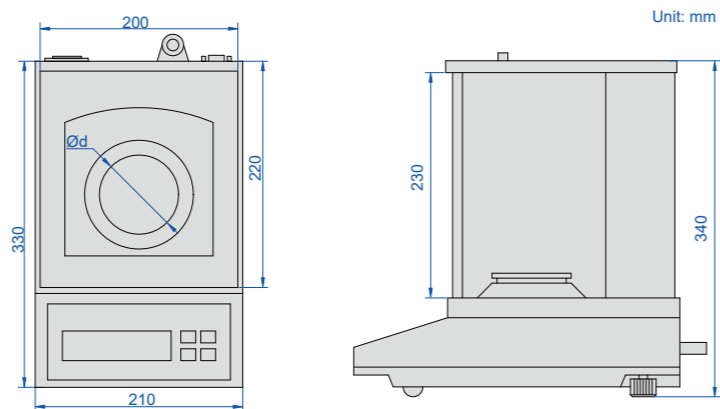
OPTIONAL ACCESSORY

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

*Used to connect with computers

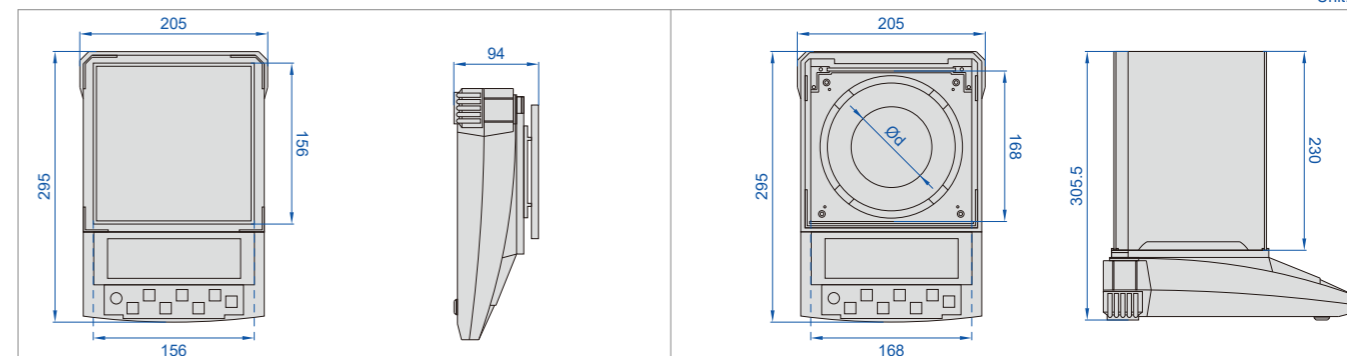
**Receivers are needed: code 7315-2/3/6/7/8/9



8318-1200



8318-1200F



Unit: mm

MULTIFUNCTIONAL ELECTRONIC BALANCES

DATA OUTPUT CAN BE CUSTOMIZED AUTOMATICALLY 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 |

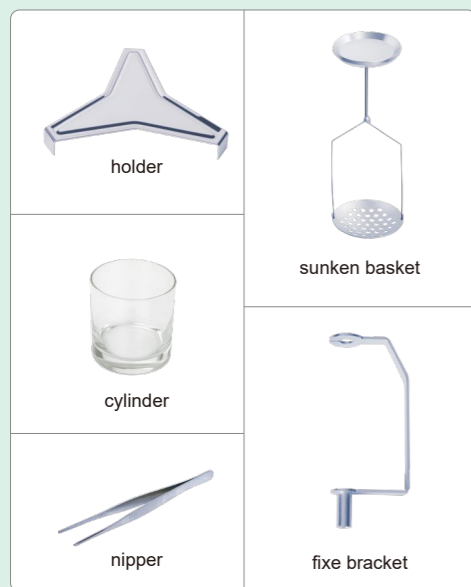
Continued from previous page

| 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:

| | |
|---|---|
|  <p>% Percentage</p> <p>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.</p> |  <p>Counting</p> <p>Use this function can calculate the quantity with total weight divide by signal weight.</p> |
|  <p>Check weighing</p> <p>Weighing the target sample's weight or quantity in or out the setting limit and alarm.</p> |  <p>Accumulation</p> <p>Weighing and accumulating the several sample's total weight and tracing the detail data.</p> |
|  <p>G/N/T Taring</p> <p>To weigh and display the sample's gross weight, net weight and tare weight intuitively.</p> |  <p>Animal weighing</p> <p>Operator can use this program to measure dynamic weight. The dynamic weighing way is summarize the weighing result from setting time and average it.</p> |
|  <p>g/cc Density</p> <p>Use this function can calculate the solid or liquid material's density (powder density cannot be tested, no density components are supplied as standard)</p> |  <p>Peak holding</p> <p>Sensing and saving the max weight during weighing, hold and display it.</p> |

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 |

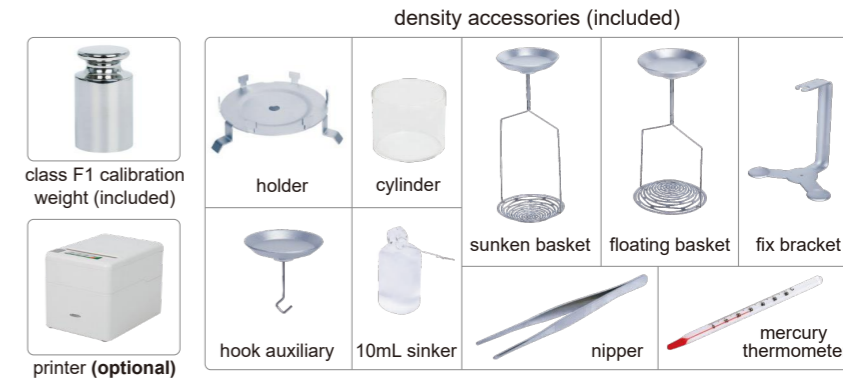
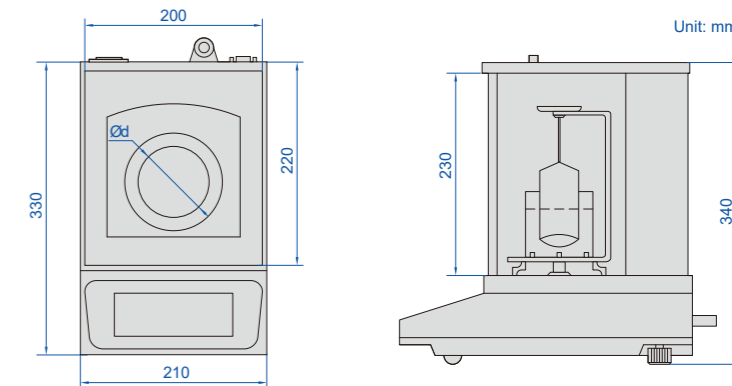
OPTIONAL ACCESSORY

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

*Used to connect with computers



8102-320



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



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



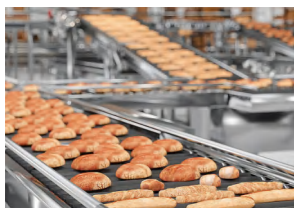
Moisture Analyzers

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) |

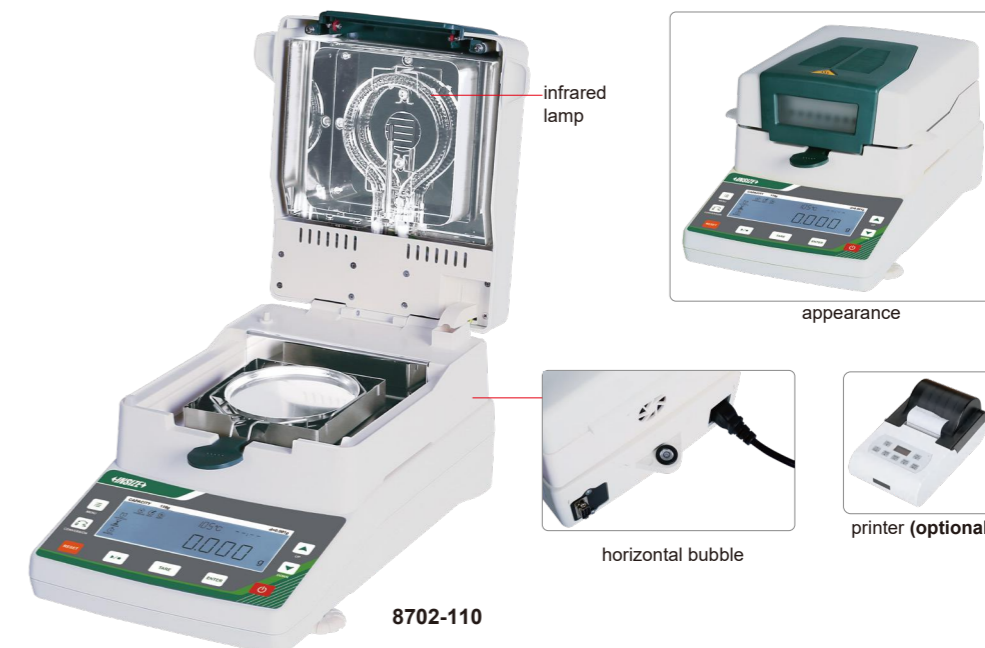


accessory (included)

| | |
|--|-----------------------------|
| | calibration weight |
| | triangular support |
| | pan support |
| | wind deflector |
| | stainless steel sample tray |

accessory (included)

| | | | |
|--|----------------------|--|--------------------|
| | test paper | | triangular support |
| | pan support | | wind deflector |
| | aluminum sample tray | | calibration weight |



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% |
| | 10g sample | ±0.1% |
| Heating source | halogen lamp | |
| Stabilization time | 2.5s | |
| Dimension of pan | Ø90mm | |
| Range for heating temperature | 60~200°C | |
| Operation temperature | 13~25°C | |
| 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 |

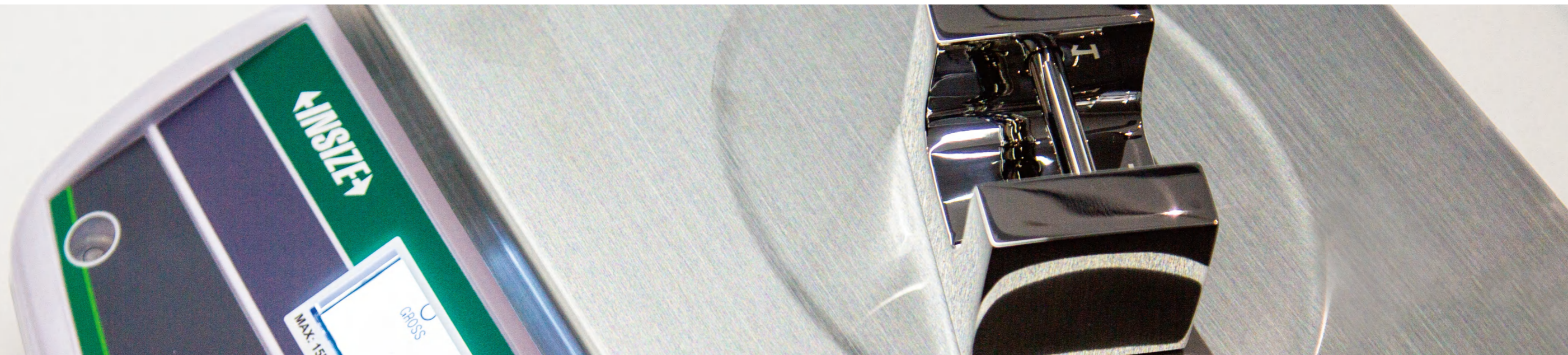
*Used to connect with computers



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



8305-2000

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

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

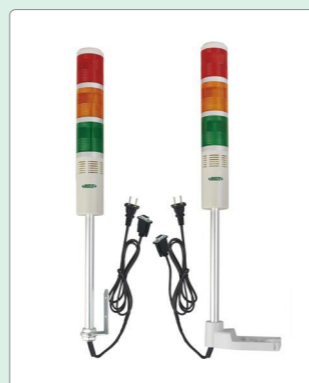
- Data output
- Automatic power off
- Unit: kg, lb, g

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 | 0.2g | 0.2g | 0.5g |
| Linearity | 0.01g | 0.01g | 0.01g |
| 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)



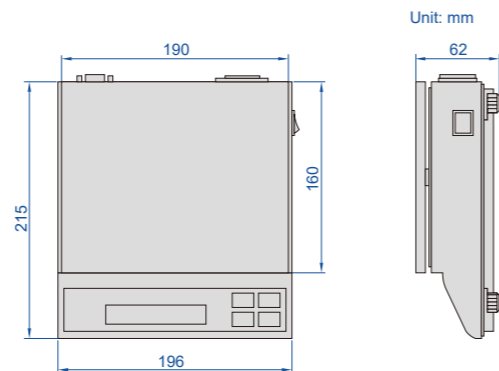
printer (optional)



large display (optional)



8301-3000



Unit: mm

ELECTRONIC BALANCES

DATA OUTPUT

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

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°C | | | | |
| Operation humidity | ≤80%RH | | | | |
| Power supply | 220V, 50/60Hz | | | | |
| Dimension (L×W×H) | 215×196×62mm | | | | |

OPTIONAL ACCESSORY

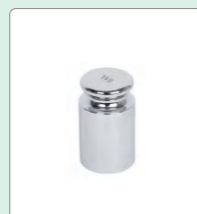
| | |
|-------------------------------------|-------------|
| RS232 cable | 8301-CABLE* |
| Data output cable (keyboard format) | 7302-8301 |
| Wireless transmitter | 7315-8301** |
| Printer | 8391-PRN10 |

* 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)

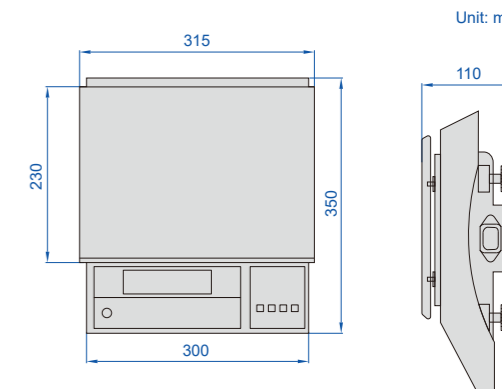


printer (optional)

POPULAR MODEL



8306-20AD



Unit: mm

INDUSTRIAL ELECTRONIC BALANCES (BASIC TYPE)

- Double weighing pan in 201 stainless steel and plastic
- LCD display, with backlight
- Zero-setting, weighing, subtracting tare value, simple counting
- 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 |

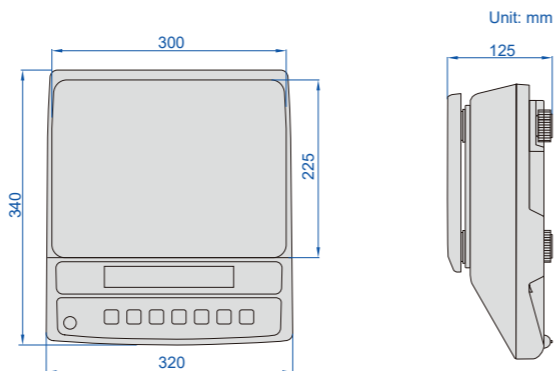
* Used to connect with computers



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)



| 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



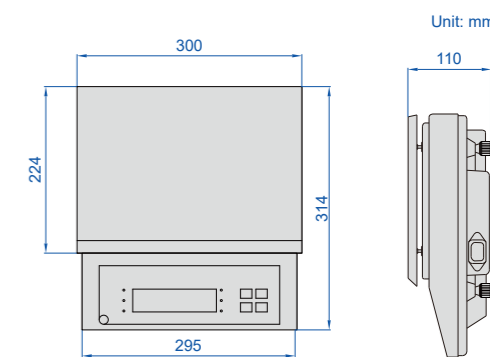
printer (optional)



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



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

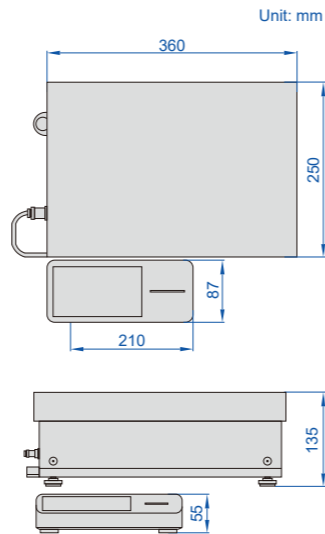
** Receivers are needed: code 7315-2/3/6/7/8/9



printer (optional)



8309-35



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 | | 20kg |
| 8309-30 | 30kg | 5g | 0.1g | ±0.2g | ±0.3g | 2s | | 10kg |
| 8309-35 | 35kg | 5g | 0.1g | ±0.2g | ±0.3g | 3s | | 20kg |
| 8309-16A | 16kg | 5g | 0.05g | ±0.05g | ±0.15g | 2s | | 10kg |
| 8309-20A | 20kg | 5g | 0.05g | ±0.05g | ±0.15g | 2s | | 20kg |
| 8309-30A | 30kg | 5g | 0.05g | ±0.1g | ±0.25g | 3s | | |
| 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



printer (optional)

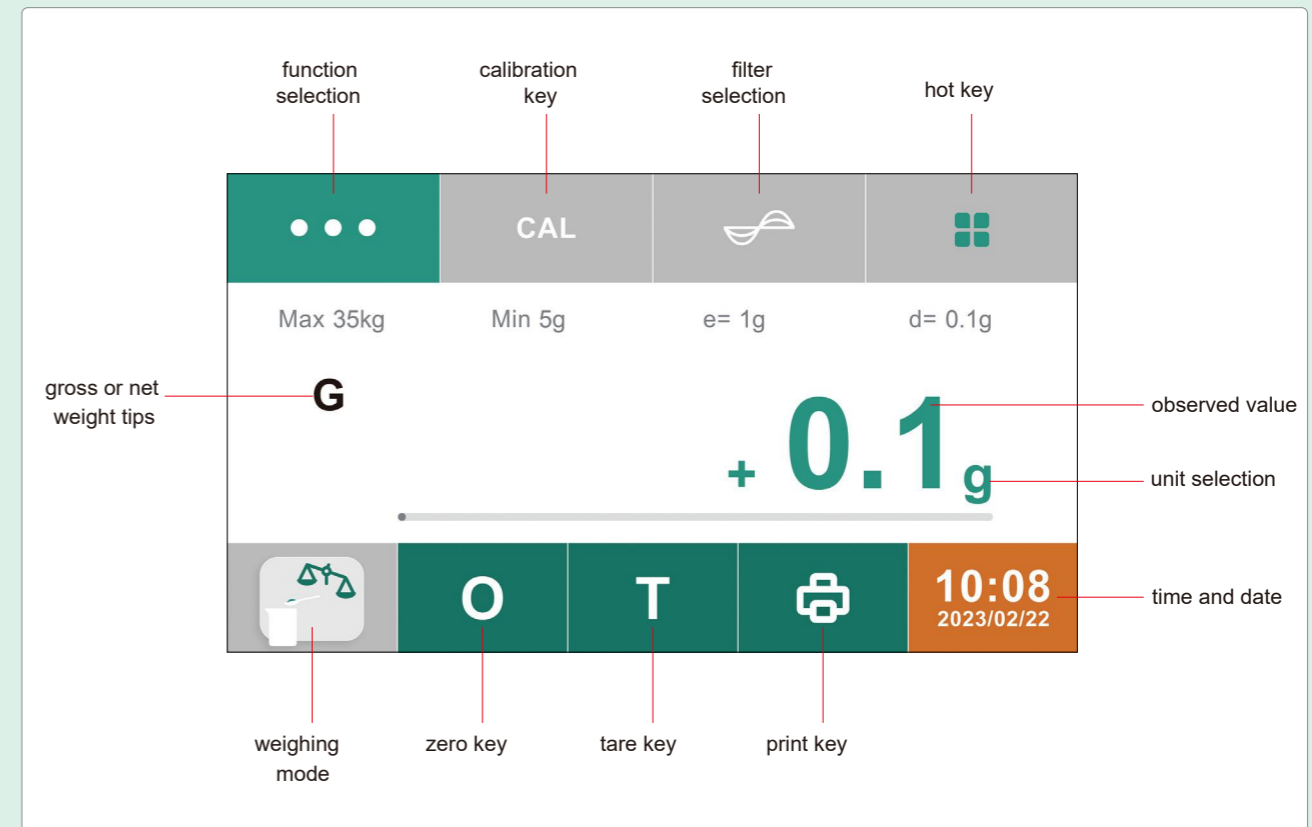


charge pal (optional)

OPTIONAL ACCESSORY


| | |
|------------|--------------|
| Printer | 8309-PRINTER |
| Charge pal | 1155-5-POB |


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
- 

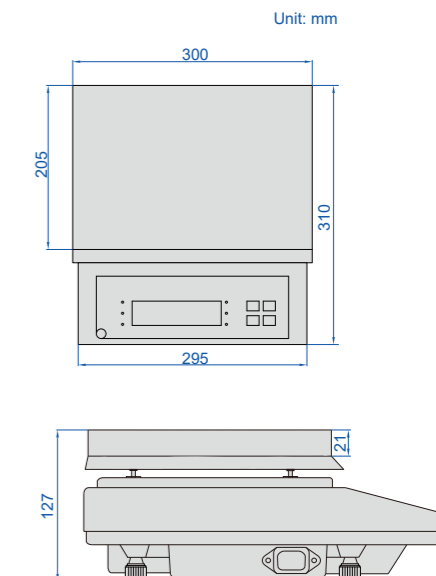
Check weighing The application checks that the weighing value is within the specified upper and lower limits and determines the test result, allowing weighing of a specific rated weight
- 

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



ELECTRONIC ANTIMAGNETIC BALANCES

DATA OUTPUT

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

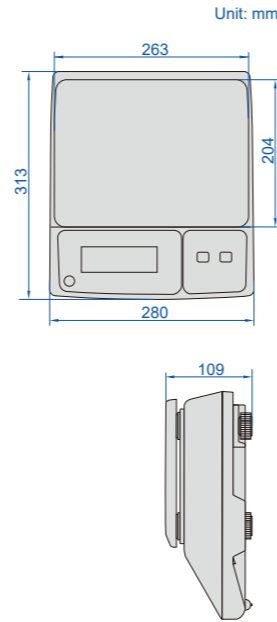
| Weighing capacity | Resolution (d) | Dimension of pan | Code | Weighing capacity | Resolution (d) | Dimension of pan | Code |
|-------------------|----------------|------------------|------------------|-------------------|-------------------------------|------------------|-------------------|
| 0.2kg | 0.02g | 55×64mm | 8602-200 | 15/30kg | 5/10 | 263×204mm | 8002-30M |
| 3kg | 0.1g | 300×224mm | 8107-3 | 15/30kg | 5/10 | 263×204mm | 8002-30MD |
| 3kg | 0.1g | 300×230mm | 8005-3 | 30kg | 1g | 263×204mm | 8001-30 |
| 3kg | 0.1g | 157×157mm | 8003-3 | 30kg | 1g | 263×204mm | 8001-30D |
| 3/6kg | 1/2 | 263×204mm | 8002-6M | 30kg | 1g | 294×228mm | 8007-30 |
| 3/6kg | 1/2 | 263×204mm | 8002-6MD | 30kg | 1g | 294×228mm | 8007-30D |
| 6kg | 0.2g | 263×204mm | 8001-6 | 30kg | 1g | 263×204mm | 8101-30 |
| 6kg | 0.2g | 263×204mm | 8001-6D | 30kg | 1g | 263×204mm | 8101-30D |
| 6kg | 0.2g | 294×228mm | 8007-6 | 30kg | 1g | 300×224mm | 8107-30 |
| 6kg | 0.2g | 294×228mm | 8007-6D | 30kg | 1g | 278×198mm | 8108-30 |
| 6kg | 0.2g | 263×204mm | 8101-6 | 30kg | 1g | 278×198mm | 8108-30D |
| 6kg | 0.2g | 263×204mm | 8101-6D | 30kg | 1g | 300×230mm | 8005-30 |
| 6kg | 0.2g | 300×224mm | 8107-6 | 30kg | 1g | 380×320mm | 8503-30 |
| 6kg | 0.2g | 278×198mm | 8108-6 | 30kg | 2g | 300×225mm | 8004-30 |
| 6kg | 0.2g | 278×198mm | 8108-6D | 30kg | 2g | 300×225mm | 8004-30D |
| 6kg | 0.2g | 300×230mm | 8005-6 | 30kg | m≤3kg: 0.1g 3kg<m≤30kg: 1g | 260×260mm | 8502-30 |
| 6kg | 0.5g | 300×225mm | 8004-6 | 50kg | 1g | 260×260mm | 8502-50 |
| 6kg | 0.5g | 300×225mm | 8004-6D | 60kg | 1g | 260×260mm | 8502-60 |
| 6kg | 0.5g | 157×157mm | 8003-6 | 60kg | 5g | 520×420mm | 8501-AL60 |
| 6/15kg | 2/5 | 263×204mm | 8002-15M | 60kg | 5g | 380×320mm | 8503-60 |
| 6/15kg | 2/5 | 263×204mm | 8002-15MD | 60kg | 20g | — | 8605-60 |
| 10kg | 1g | 157×157mm | 8003-10 | 60kg | 1g | 500×400mm | 8508-61KA |
| 15kg | 0.5g | 263×204mm | 8001-15 | 61kg | 10g | 500×400mm | 8508-61K |
| 15kg | 0.5g | 263×204mm | 8001-15D | 75kg | 1g | 260×260mm | 8502-75 |
| 15kg | 0.5g | 294×228mm | 8007-15 | 110kg | 1g | 500×400mm | 8508-110KA |
| 15kg | 0.5g | 294×228mm | 8007-15D | 110kg | 10g | 500×400mm | 8508-110K |
| 15kg | 0.5g | 263×204mm | 8101-15 | 120kg | 10g | 380×320mm | 8503-120 |
| 15kg | 0.5g | 263×204mm | 8101-15D | 150kg | 10g | 520×420mm | 8501-AL150 |
| 15kg | 0.5g | 300×224mm | 8107-15 | 160kg | 1g | 500×400mm | 8508-160KA |
| 15kg | 0.5g | 278×198mm | 8108-15 | 160kg | 10g | 500×400mm | 8508-160K |
| 15kg | 0.5g | 278×198mm | 8108-15D | 200kg | 20g | 380×320mm | 8503-200 |
| 15kg | 0.5g | 300×230mm | 8005-15 | 200kg | 20g | 500×500mm | 8409-200B |
| 15kg | 1g | 300×225mm | 8004-15 | 200kg | 50g | 500×900mm | 8409-200A |
| 15kg | 1g | 300×225mm | 8004-15D | | | | |

INSIZE Quick-Finder

| Weighing capacity | Resolution (d) | Dimension of pan | Code | Weighing capacity | Resolution (d) | Dimension of pan | Code |
|-------------------|----------------|------------------|-------------------|-------------------|----------------|------------------|-----------------|
| 210kg | 10g | 500×400mm | 8508-210K | 2000kg | 500g | 1500×1500mm | 8403-2TD |
| 300kg | 20g | 520×420mm | 8501-AL300 | 2000kg | 1000g | — | 8801-A20 |
| 300kg | 50g | 500×500mm | 8409-300B | 2000kg | 1000g | — | 8801-B20 |
| 300kg | 50g | 800×600mm | 8802-300 | 2500kg | 1000g | — | 8801-A25 |
| 300kg | 100g | 500×900mm | 8409-300A | 2500kg | 1000g | — | 8801-B25 |
| 310kg | 10g | 500×400mm | 8508-310K | 3000kg | 200g | 800×800mm | 8402-3TA |
| 600kg | 100g | 800×600mm | 8802-600 | 3000kg | 200g | 1000×1000mm | 8402-3TB |
| 1000kg | 200g | 800×800mm | 8402-1TA | 3000kg | 200g | 1200×1200mm | 8402-3TC |
| 1000kg | 200g | 1000×1000mm | 8402-1TB | 3000kg | 200g | 1200×1500mm | 8402-3TD |
| 1000kg | 200g | 1200×1200mm | 8402-1TC | 3000kg | 200g | 1500×1500mm | 8402-3TE |
| 1000kg | 200g | 1200×1500mm | 8402-1TD | 3000kg | 500g | 2000×2000mm | 8402-3TF |
| 1000kg | 200g | 1500×1500mm | 8402-1TE | 3000kg | 500g | 800×800mm | 8403-3TA |
| 1000kg | 500g | 2000×2000mm | 8402-1TF | 3000kg | 500g | 1000×1000mm | 8403-3TB |
| 1000kg | 500g | 800×800mm | 8403-1TA | 3000kg | 500g | 1200×1200mm | 8403-3TC |
| 1000kg | 500g | 1000×1000mm | 8403-1TB | 3000kg | 500g | 1500×1500mm | 8403-3TD |
| 1000kg | 500g | 1200×1200mm | 8403-1TC | 4000kg | 500g | 800×800mm | 8402-4TA |
| 1000kg | 500g | 1500×1500mm | 8403-1TD | 4000kg | 500g | 1000×1000mm | 8402-4TB |
| 1500kg | 500g | — | 8801-A15 | 4000kg | 500g | 1200×1200mm | 8402-4TC |
| 1500kg | 500g | — | 8801-B15 | 4000kg | 500g | 1200×1500mm | 8402-4TD |
| 2000kg | 200g | 800×800mm | 8402-2TA | 4000kg | 500g | 1500×1500mm | 8402-4TE |
| 2000kg | 200g | 1000×1000mm | 8402-2TB | 4000kg | 1000g | 2000×2000mm | 8402-4TF |
| 2000kg | 200g | 1200×1200mm | 8402-2TC | 5000kg | 500g | 800×800mm | 8402-5TA |
| 2000kg | 200g | 1200×1500mm | 8402-2TD | 5000kg | 500g | 1000×1000mm | 8402-5TB |
| 2000kg | 200g | 1500×1500mm | 8402-2TE | 5000kg | 500g | 1200×1200mm | 8402-5TC |
| 2000kg | 500g | 2000×2000mm | 8402-2TF | 5000kg | 500g | 1200×1500mm | 8402-5TD |
| 2000kg | 500g | 800×800mm | 8403-2TA | 5000kg | 500g | 1500×1500mm | 8402-5TE |
| 2000kg | 500g | 1000×1000mm | 8403-2TB | 5000kg | 1000g | 2000×2000mm | 8402-5TF |
| 2000kg | 500g | 1200×1200mm | 8403-2TC | | | | |



8002-30M



WEIGHING SCALES (OIML CERTIFICATE)

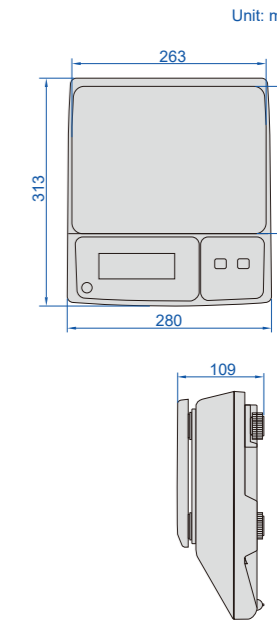
- LCD display, with backlight
- Zero-setting, subtracting tare value
- Overload alarm
- Automatic power off
- OIML certificate (No. 0200-NAWI-04601)

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



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°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

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



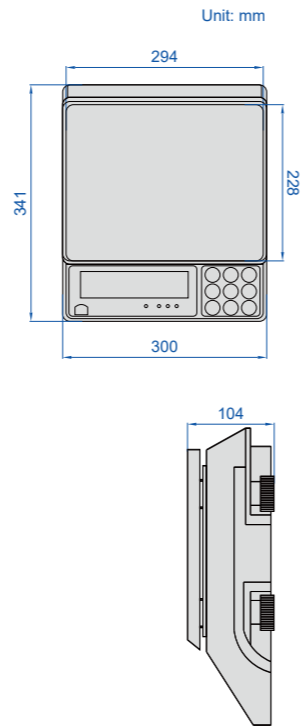
below the low limit

between the limits

exceed the high limit



8007-6



Unit: mm

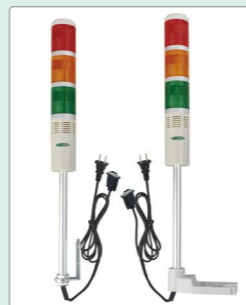
WEIGHING SCALES (BASIC TYPE)

- 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°C | | | | | |
| 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)

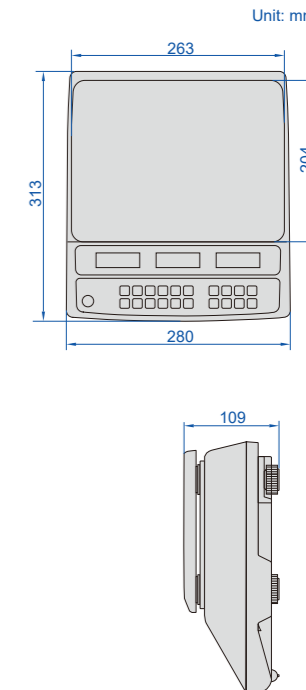
OPTIONAL ACCESSORY (for scales with RS232)

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

POPULAR MODEL



8101-30



Unit: mm

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 |

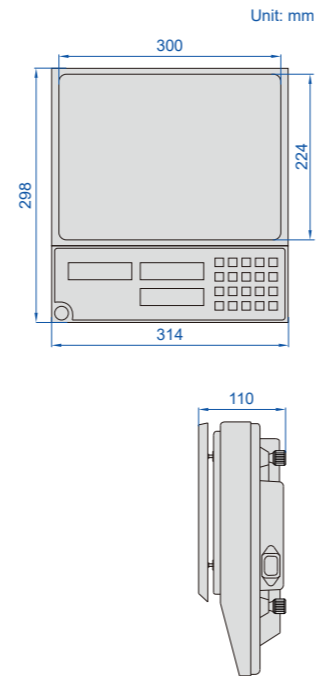
*Receivers are needed: code 7315-2/3/6/7/8/9



printer (optional)



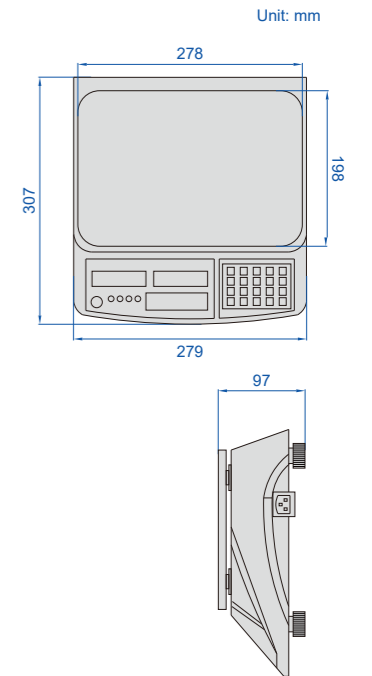
8107-3



Unit: mm



8108-6



Unit: mm

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



VIDEO

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)

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°C | | | | | |
| Operation humidity | ≤85%RH | | | | | |
| Power supply | rechargeable lead acid battery (6V/4Ah) | | | | | |
| Dimension (L×W×H) | 307×279×97mm | | | | | |



alarm light (optional)



printer (optional)



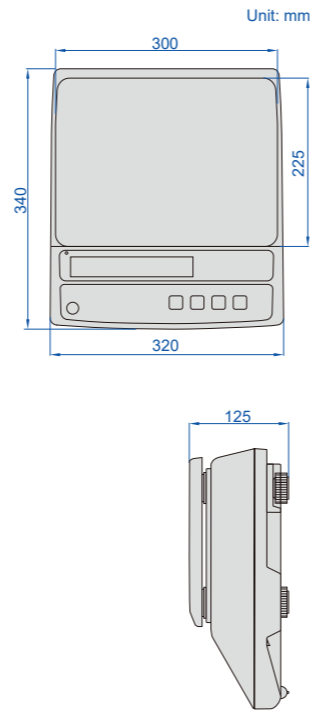
large display (optional)

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, tj, Hj, 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°C | | | | | |
| 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)

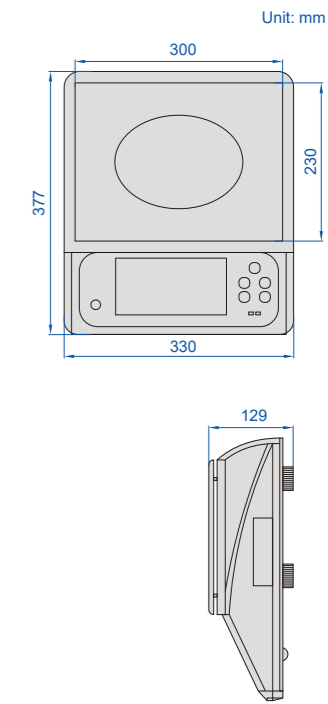
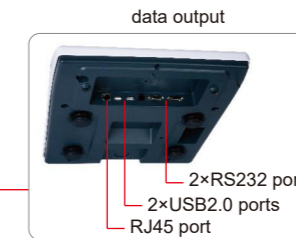
| | |
|---------|------------|
| Printer | 8391-PRN10 |
|---------|------------|



printer (optional)



8005-30

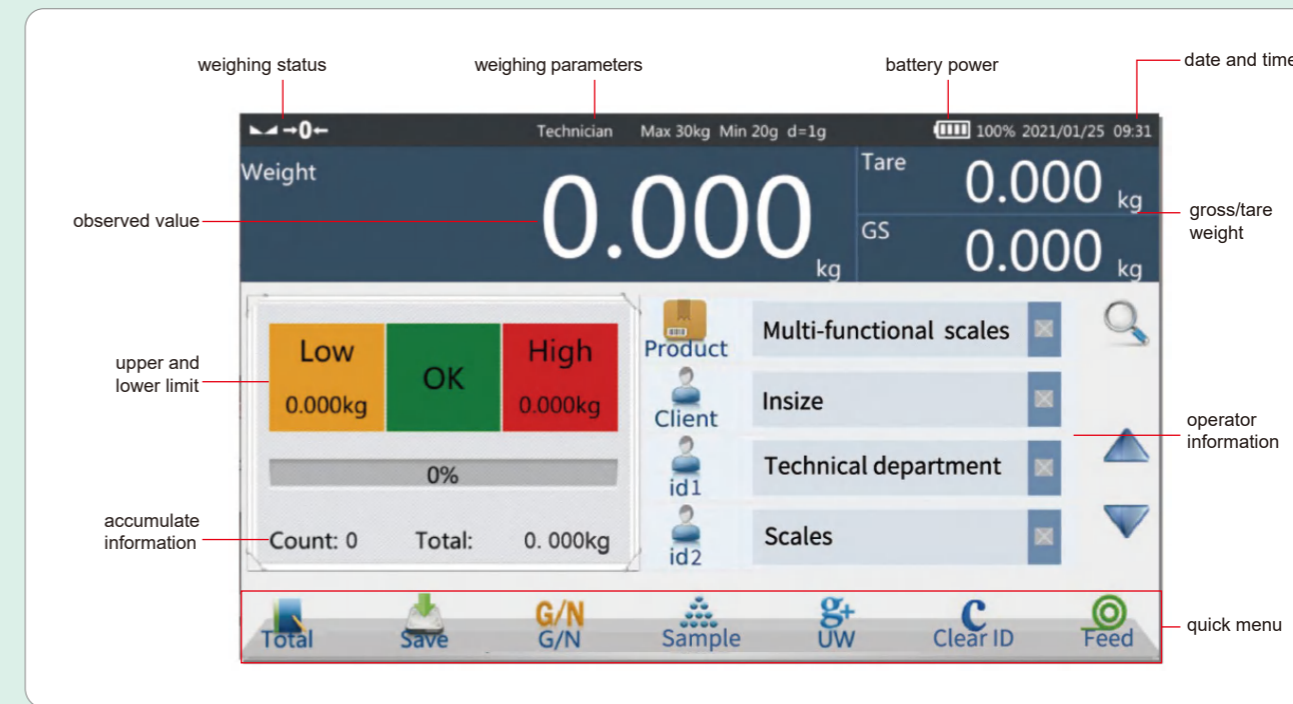


MULTI-FUNCTIONAL SCALES

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

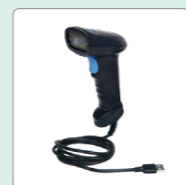
| Code | 8005-3 | 8005-6 | 8005-15 | 8005-30 |
|-----------------------|----------------------------------|--------|---------|---------|
| Weighing capacity | 3kg | 6kg | 15kg | 30kg |
| Minimal load | 2g | 4g | 10g | 20g |
| Readability (d) | 0.1g | 0.2g | 0.5g | 1g |
| Repeatability | ±0.2g | ±0.4g | ±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°C | | | |
| 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 |



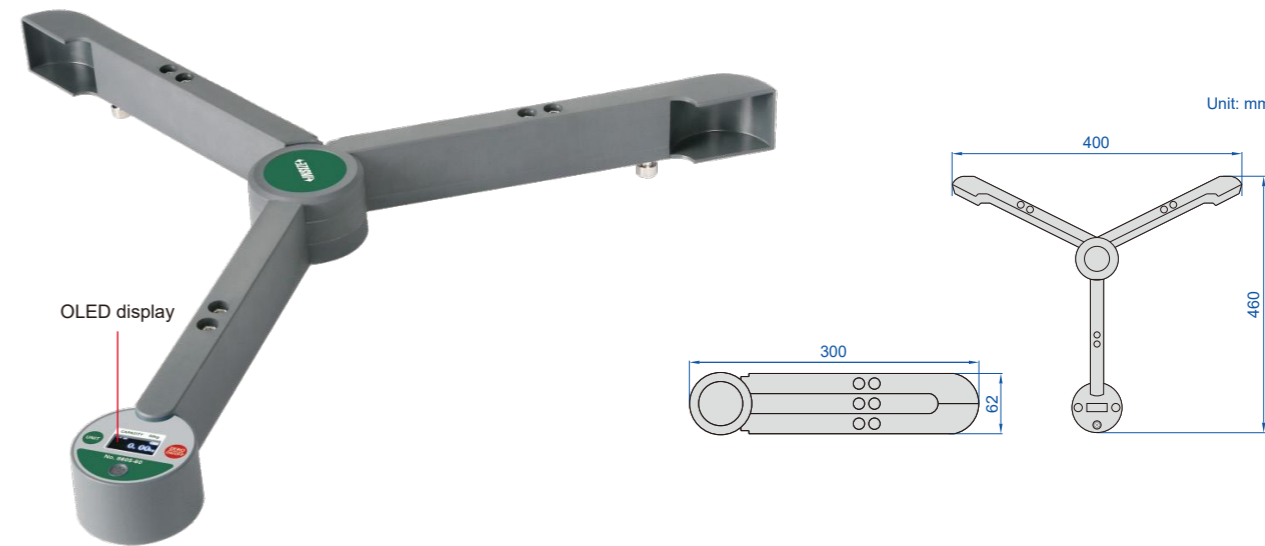
alarm light (optional)



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°C |
| 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 | 2xAAA 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

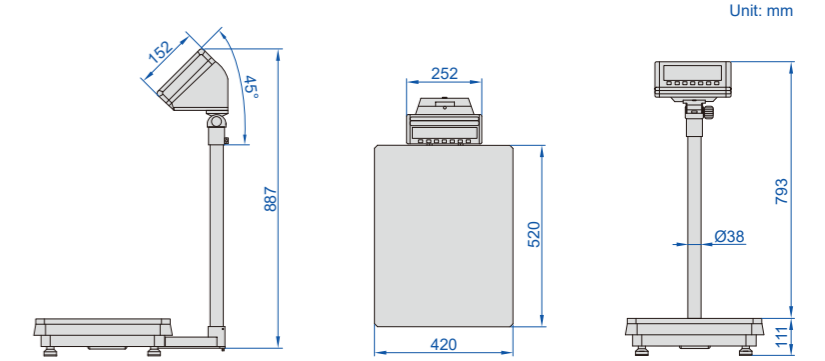
SPECIFICATION

| | | | |
|--------------------|--------|-----------------------|--------------------|
| 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



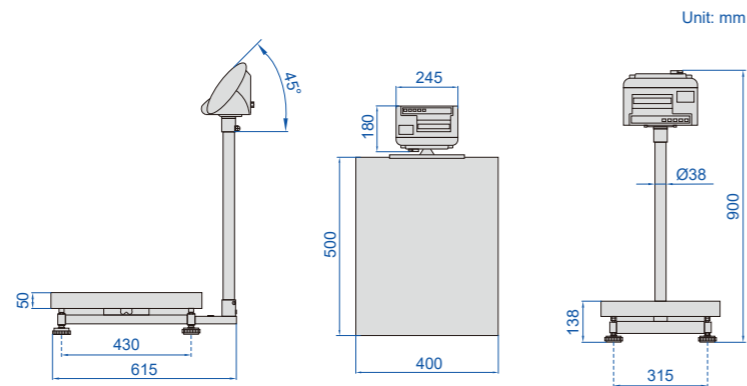
alarm light (optional)



printer (optional)



8508-61KA



ELECTRONIC PLATFORM SCALES (BASIC TYPE)

DATA OUTPUT CAN BE CUSTOMIZED

- Zero-setting, weighing, subtracting tare value, simple counting
- Data output
- Unit: kg, lb



| Code | Weighing capacity | Minimal load | Readability (d) | Repeatability | Linearity | Stabilization time |
|------------|-------------------|--------------|-----------------|---------------|-----------|--------------------|
| 8508-61KA | 61kg | 20g | 1g | ±2g | ±3g | 3s |
| 8508-110KA | 110kg | 50g | 1g | ±2g | ±3g | |
| 8508-160KA | 160kg | 50g | 1g | ±3g | ±5g | |
| 8508-61K | 61kg | 200g | 10g | ±20g | ±30g | 2s |
| 8508-110K | 110kg | 200g | 10g | ±20g | ±30g | |
| 8508-160K | 160kg | 200g | 10g | ±20g | ±30g | |
| 8508-210K | 210kg | 200g | 10g | ±20g | ±30g | |
| 8508-310K | 310kg | 200g | 10g | ±30g | ±50g | |

SPECIFICATION

| | |
|-----------------------|---|
| Dimension of pan | 500×400mm |
| Output | RS232 |
| Material | platform: stainless steel, base: carbon steel |
| Operation temperature | -10~40°C |
| Operation humidity | 30~80%RH |
| Power supply | rechargeable lead acid battery (6V/4Ah) |
| Dimension (L×W×H) | 580×400×900mm |



printer (optional)

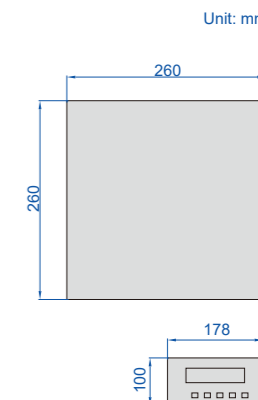
OPTIONAL ACCESSORY

| | |
|-------------|-------------|
| RS232 cable | 8306-CABLE* |
| Printer | 8391-PRN10 |

*Used to connect with computers



8502-30



PARCEL SCALES

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



SPECIFICATION

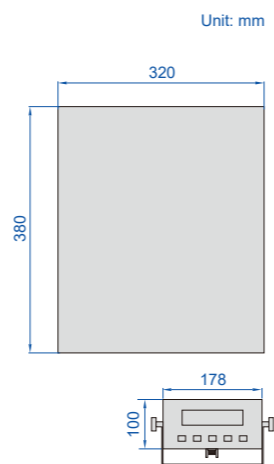
| Code | 8502-30 | 8502-50 | 8502-60 | 8502-75 |
|-----------------------|---|---------|---------|---------|
| Weighing capacity | 30kg | 50kg | 60kg | 75kg |
| Minimal load | 2g | 20g | 20g | 20g |
| Readability (d) | m≤3kg: 0.1g 3kg<m≤30kg: 1g | 1g | 1g | 1g |
| Repeatability | m≤3kg: ±0.1g m>3kg: ±1g | ±2g | ±2g | ±2g |
| Linearity | m≤3kg: ±0.2g m>3kg: ±2g | ±3g | ±3g | ±4g |
| Stabilization time | 2s | | | |
| Dimension of pan | 260×260mm | | | |
| Material | platform: ABS plastic, base: die-cast aluminum | | | |
| Operation temperature | 5~35°C | | | |
| Operation humidity | 30~80%RH | | | |
| Power supply | power adapter (6V/300mA) or 4×1.5V AA batteries | | | |
| Dimension (L×W×H) | 260×260×110mm | | | |

OPTIONAL ACCESSOR

| | |
|-------------------|------|
| Cast iron weights | 8913 |
|-------------------|------|



8503-30



PARCEL SCALES

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

- Automatic power off
- Unit: kg, lb

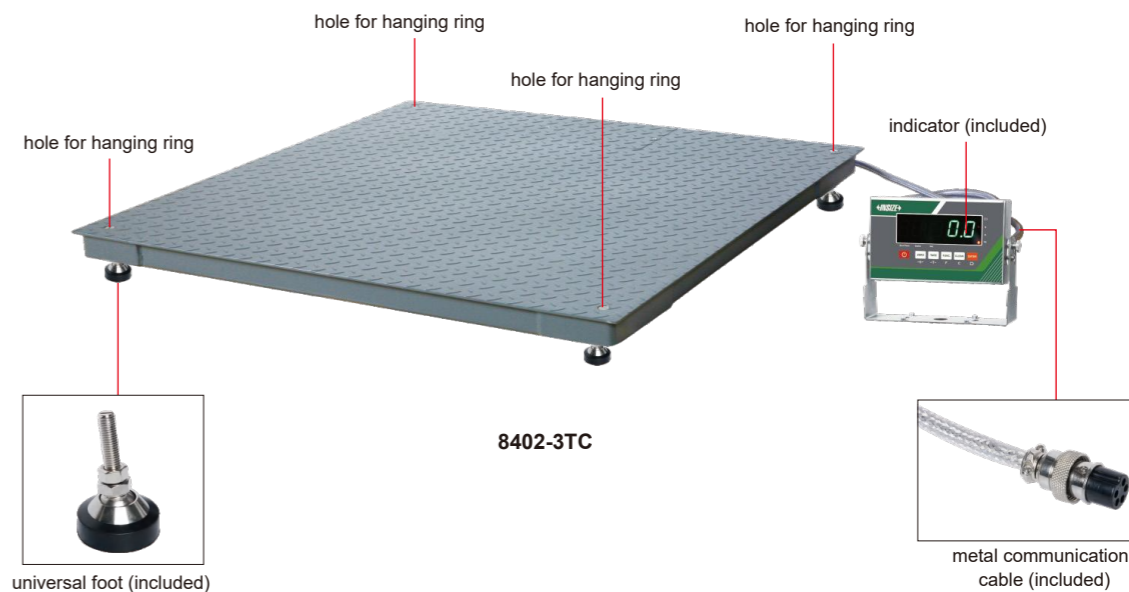


SPECIFICATION

| 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 |
|-------------------|------|



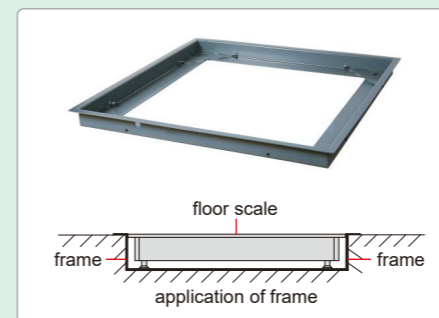
8402-3TC

HIGH PRECISION FLOOR SCALES

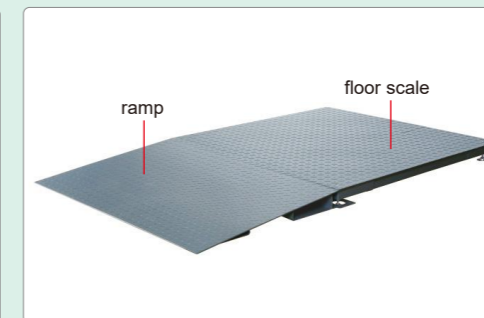
DATA OUTPUT CAN BE CUSTOMIZED BUILT-IN BLUETOOTH HIGH ACCURACY

- 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

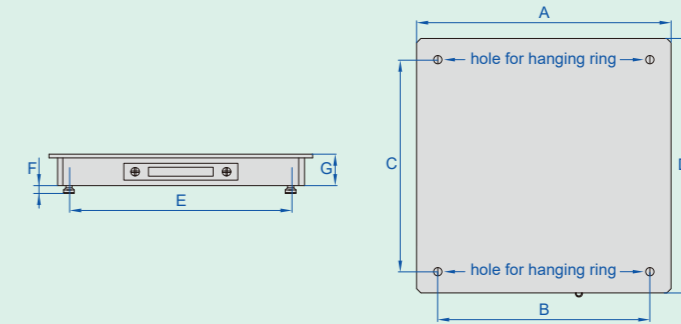
| | |
|-----------------------|--|
| Ramp | customized |
| Frame | customized |
| Alarm light | 8402-ALARM (must be supplied with scales together) |
| Stainless steel stand | 8402-STAND |
| Printer | 8402-PRINTER |

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 |



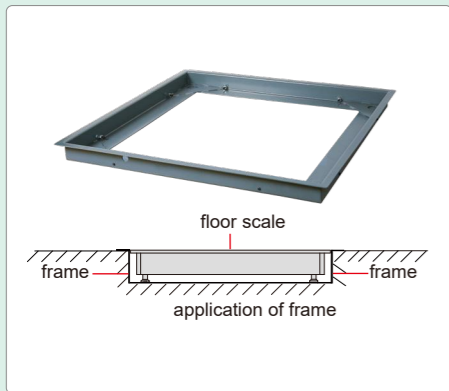
8403-3TC

FLOOR SCALES (STANDARD TYPE)

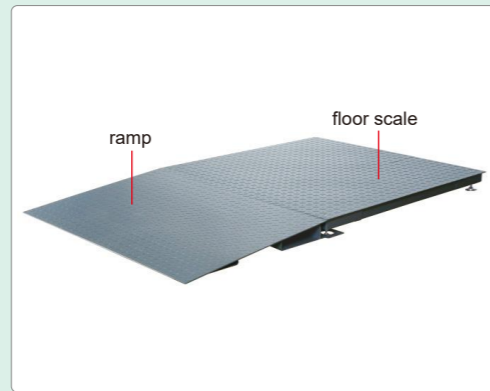
DATA OUTPUT CAN BE CUSTOMIZED BUILT-IN BLUETOOTH

- 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



frame (optional)



ramp (optional)



stainless steel stand (optional)

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

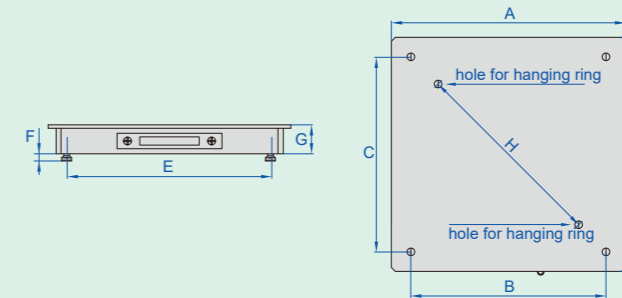
| Code | Weighing capacity | Minimal load | Readability (d) | Repeatability | Linearity | Dimension of platform |
|----------|-------------------|--------------|-----------------|---------------|-----------|-----------------------|
| 8403-1TA | 1t | 10kg | 0.5kg | ±0.5kg | ±1.5kg | 800×800mm |
| 8403-2TA | 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 |

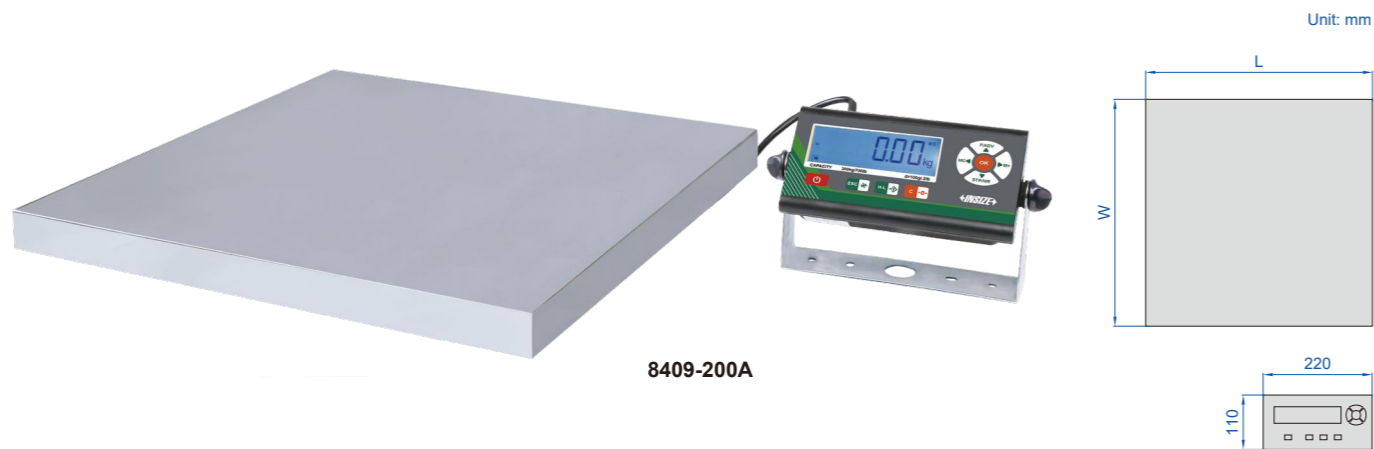
OPTIONAL ACCESSORY

| | |
|-----------------------|--|
| 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 |

(mm)



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

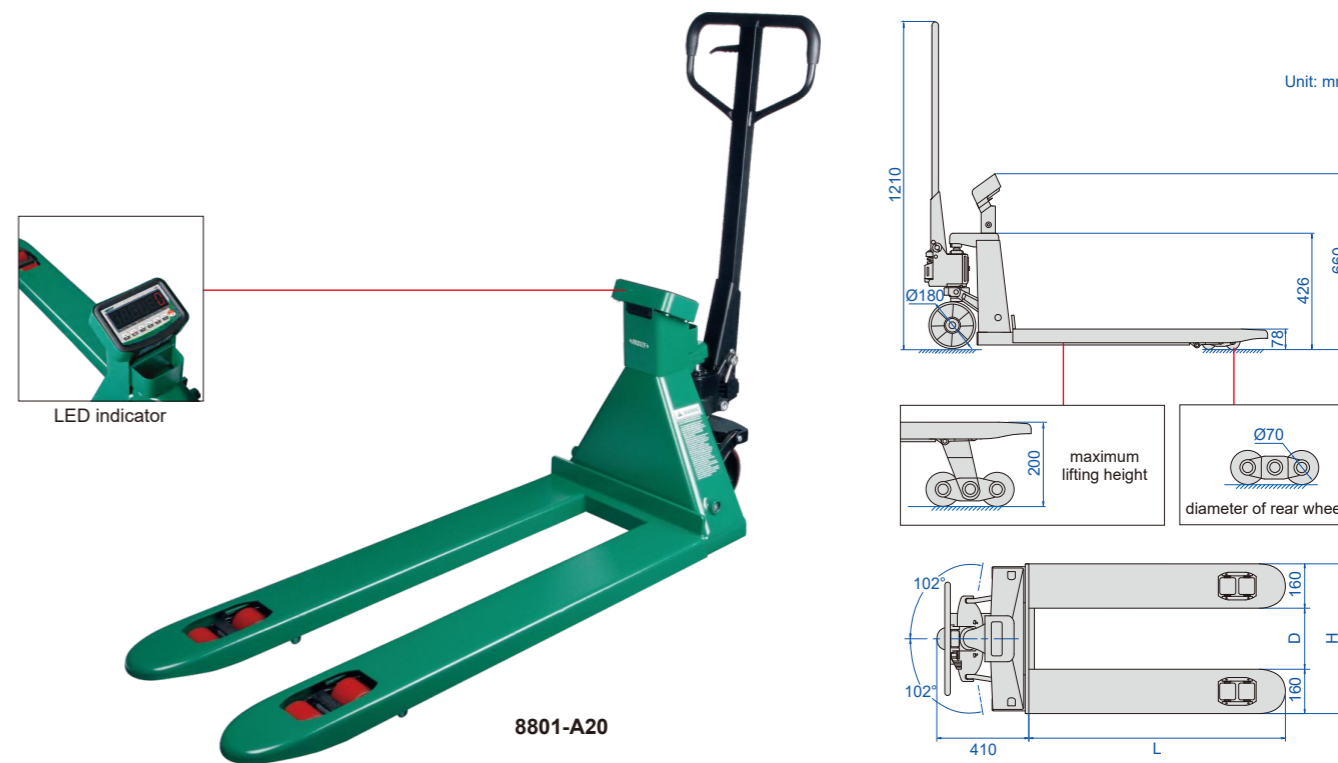
SPECIFICATION

| | |
|-----------------------|----------------------------------|
| 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°C | | | | | |
| 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 |



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.



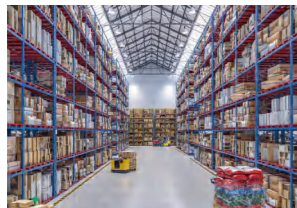
» Ports and freight hubs

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

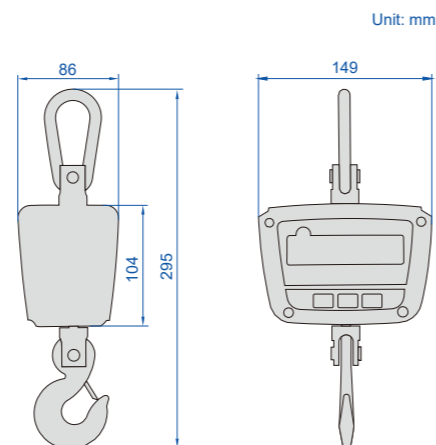
In warehouses and supermarkets, electronic crane scales are used for merchandise entry and exit statistics and warehouse stock control to improve the accuracy and efficiency of inventory management.

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 | | | |



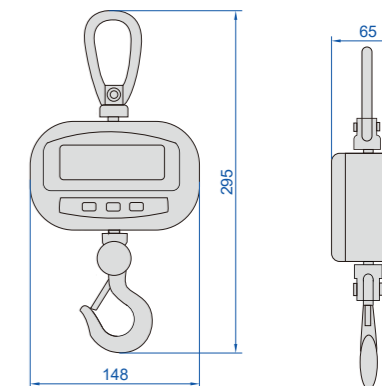
8201-150KG



Unit: mm



8202-150KG



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 |

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 | | |

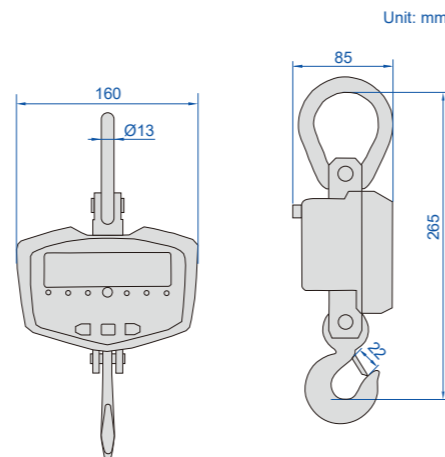
STANDARD DELIVERY

| | |
|-------------------|------|
| 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



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

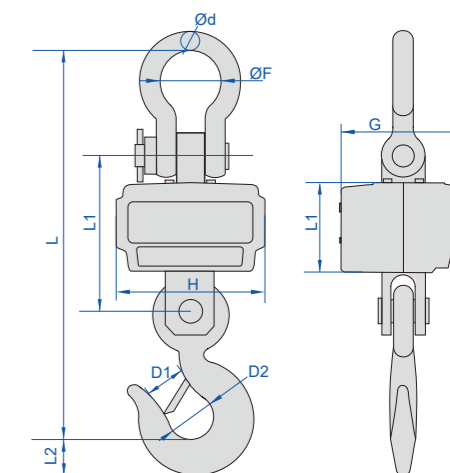
remote controller (included)



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



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)



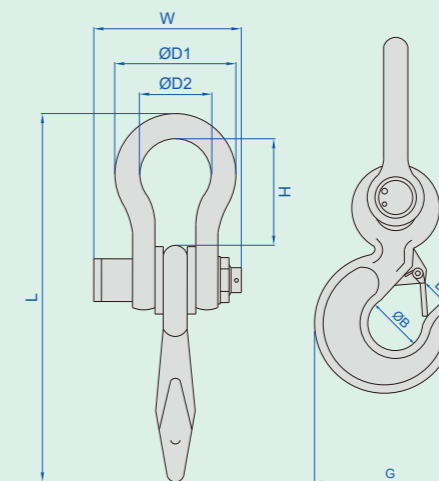
wireless receiver (optional)



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)





remote controller (included)

8206-3T

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)



VIDEO

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

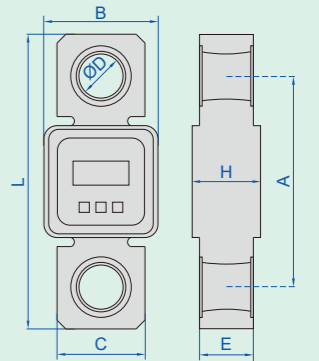
| | |
|-----------------------|------|
| Hang scale pull rings | 8290 |
|-----------------------|------|

| 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)

8207-3T

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)



VIDEO

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

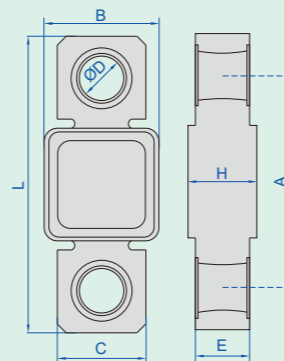
| | |
|-----------------------|------|
| Main unit | 1 pc |
| LCD remote controller | 1 pc |

OPTIONAL ACCESSORY

| | |
|-----------------------|------|
| Hang scale pull rings | 8290 |
|-----------------------|------|

| 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 | |
| 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 8604-40

ATTENTION: LOW ACCURACY

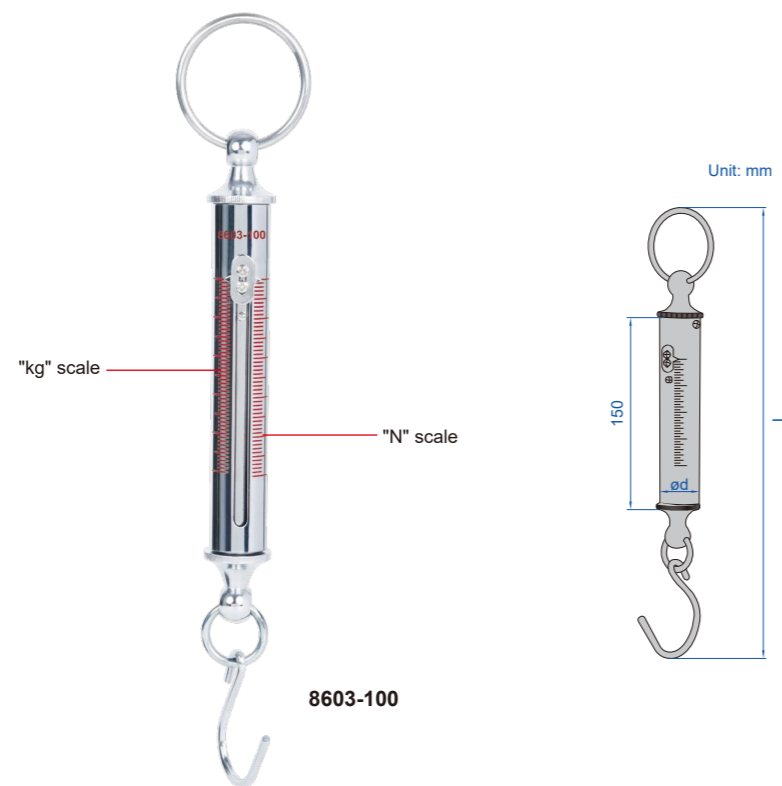
- Zero-setting, weighing, subtracting tare value
- LCD display, with backlight
- Automatic power off
- Unit: kg

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)





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

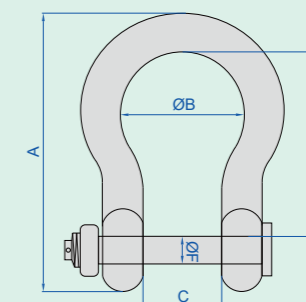
- Used with 8206 series and 8207 series hang scales

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



application

WEIGHTS



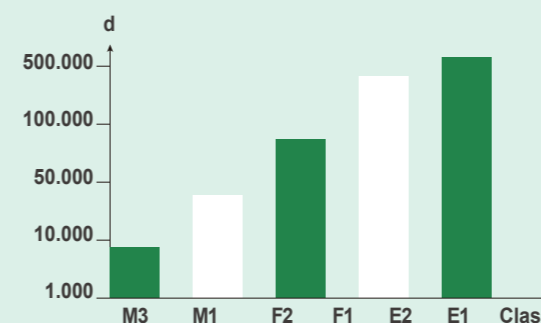
HOW TO CHOOSE NECESSARY WEIGHT YOU NEED

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/m ³ | kg/m ³ 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 (10 ³ kg/m ³) | | | | | | |
|--------|--|-----------|----------|------|------|------|------|
| | 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;

Shipyards 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

CAN BE CUSTOMIZED

- 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 | |
| 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 | |



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 ■ cylinder
 ●* sheet, with mark ■* 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

- Supplied with manufacturer inspection certificate
- Class: M1, M2

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



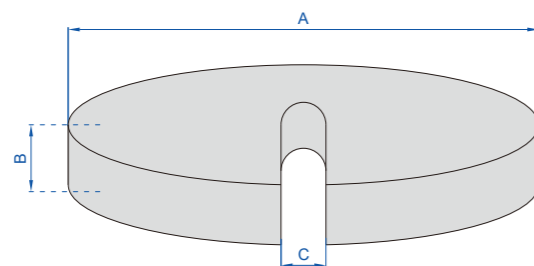
- Weight range: 1g~20kg/1N~200N
- Class: F1, F2, M1
- Supplied with manufacturer inspection certificate

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 |

To be continued

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)

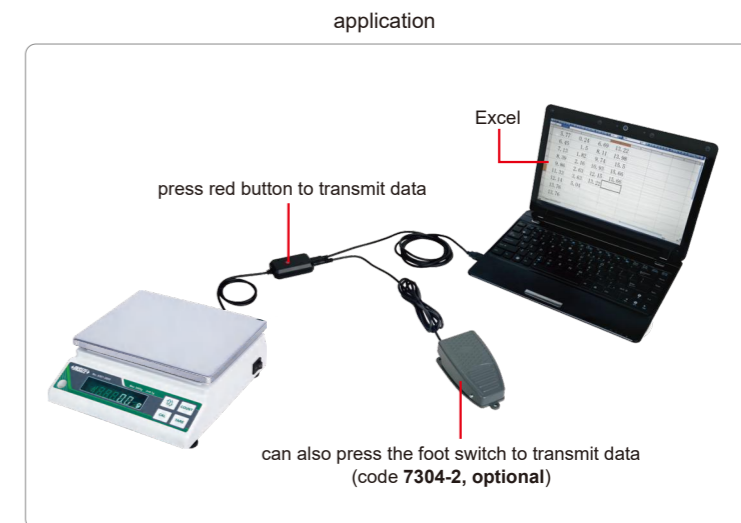


concave-convex slotted weights (customizable)





DATA TRANSMISSION



DATA OUTPUT CABLES (KEYBOARD FORMAT)

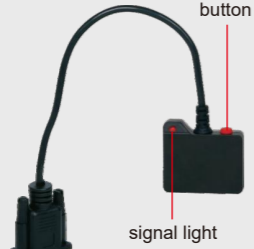
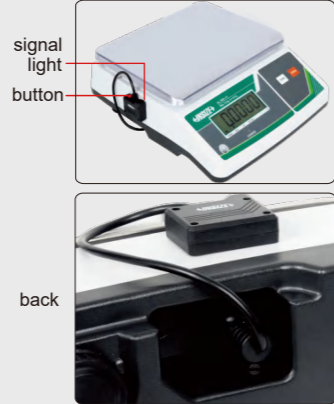
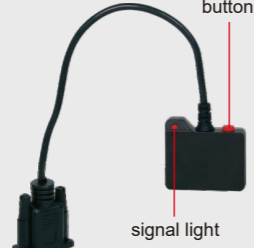
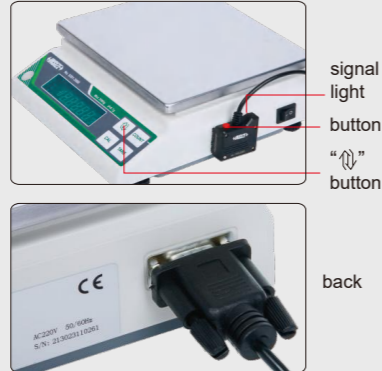


- Recognized as HID keyboard device by computer, no need to install drivers and softwares
- Data can be transmitted to Excel, Word, txt and other files (press transmit button, which is recognized by the computer as keyboard input data and press enter key, such as 12.34↵)
- For any softwares which can 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 | <ul style="list-style-type: none"> ▪ 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) | <ul style="list-style-type: none"> ▪ Press the “↵” 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 |  |  <p>for 8001-6D, 8001-15D, 8001-30D series weighing scales and 8501 series platform scales</p> | <ul style="list-style-type: none"> ▪ Press the button of the transmitter ▪ Data is transmitted once, the signal light of the transmitter flashes once |
| 7315-8301 | transmitter for electronic balances |  |  | <ul style="list-style-type: none"> ▪ 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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