SP-scale

PRODUCT CATALOG
2025

Phone: +65 6235 5337
Email: enquiries@sp-asia.com

50 Kaki Bukit Place, #04-01,
Jean Yip Building
Singapore 415926
www.sp-asia.com

SP-scale

by Soehnle Professional Asia Pte Ltd

TABLE OF CONTENT

SP-scale

by Soehnle Professional Asia Pte Ltd

COMPACT SCALES

CST Compact Weighing Scale

SP-scale

CE OIML M NSF

Features

High mobility: battery operation, compact , light weight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.)

Easy to clean: stainless steel pan , Its smooth surfaces make it simple to clean

Easy to read: 6 digits 25mm digits high LCD display,with white backlight

Optional rear display, stainless steel pan

Full function: unit change, tare, zero

Technical Data

Display: LCD display, digit height 25mm, with three color LED backlight

Capacities: 3kg~25kg

Housing: ABS plastic

Dimensions: 243×238.9x157.6mm

Pan size: 230×190mm

Net weight: 3.2kg

Gross weight: 3.8kg

Power: AC adapter (100~240VAC/12V500mA), rechargeable battery 6V/4Ah, battery operation time: 70 hours

Operation temperature: -10°C~40°C

Accessories

■ Rear display
■ Stainless steel pan

Standard

UNIT | BATTERY

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Minimal load [Min]g
CST-S3-6K	6	1	-	20
CST-S3-15K	15	2	-	40
CST-S3-3K	3	0.2	-	4
CST-S3-6K	6	0.5	-	10
CST-S3-15K	15	1	-	20
CST-S3-25K	25	2	-	40
CST-O3-3K	3	1	1	20
CST-O3-6K	6	2	2	40
CST-O3-15K	15	5	5	100
CST-O3-25K	25	10	10	200
CST-D3-6K	3 | 6	1 | 2	2 | 5	40
CST-D3-15K	6 | 15	2 | 5	5 | 10	100
CST-D3-25K	15 | 25	5 | 10	10 | 20	200

CSZ Compact Weighing Scale

CE OIML M

263,3
204,4
313
108.8
210
288
unit:mm

Features

Modern, ergonomic design and a housing which is even more compact, supporting efficient operation and saving space

Easy to read: 6 digits 25mm digits high LCD display, with white color LED backlight

Easy to clean: stainless steel pan

High mobility: AC adapter/rechargeable battery powered

RS-232 interface: optional RS-232 interface, can connect to PC

Function: tare, zero

Technical Data

Display: LCD display, 25mm digit, with white LED backlight

Power: AC adapter (100~240VAC/12V500mADC), rechargeable battery (lead acid battery 6V/3.2Ah)

Dimensions : 288×313x108.8 mm

Pan size: 204x263mm

Keyboard: 2 membrane keys

Net weight : 3.0kg

Gross weight : 3.7kg

Operation temperature: -10°C/40°C

Accessories

- RS-232 interface
- RS-232 cable for PC
- Rear display

Standard

BATTERY

Factory Option

INT-VER

RS 232

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Minimal load [Min]g
CSZ-S-3k	3	0.1	–	2
CSZ-S-6k	6	0.2	–	4
CSZ-S-15k	15	0.5	–	10
CSZ-S-30k	30	1	–	20
CSZ-S+-3k	3	0.05	–	1
CSZ-S+-6k	6	0.1	–	2
CSZ-S+-15k	15	0.2	–	4
CSZ-S+-30k	30	0.5	–	10
CSZ-O-3k	3	1	1	20
CSZ-O-6k	6	2	2	40
CSZ-O-15k	15	5	5	100
CSZ-O-30k	30	10	10	200
CSZ-D-6k	6	1 | 2	1 | 2	20
CSZ-D-15k	15	2 | 5	2 | 5	40
CSZ-D-30k	30	5 | 10	5 | 10	100

CS65 Waterproof Compact Weighing Scale
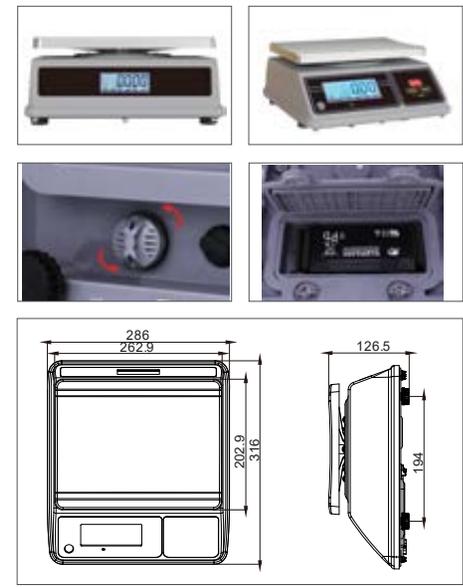
SP-scale

CE | OIML | M | NSF

IP65

Features

High mobility: battery operation, compact, light weight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.)

Easy to clean: stainless steel pan. Its smooth surfaces make it simple to clean

Easy to read: 6 digits 25mm digits high LCD display, with white color LED backlight

Full function: zero, tare, units conversion

Technical Data

Display: LCD display, digit height 25 mm, with white color LED backlight

Power: AC adapter (100~240VAC/12V500mA), lead acid battery (6V/3.2Ah), operation time: 70 hours

Dimensions: 286x316x126.5 mm

Pan size: 200×260 mm

Net weight: 3.6kg

Gross weight: 4.4kg

Operation temperature: -10°C/40°C

Accessories

■ Rear display

Standard

IP | BATTERY

Factory Option

INT-VER

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Minimal load [Min]g
CS65-S-3K	3	0.5	/	10
CS65-S-6K	6	1	/	20
CS65-S-15K	15	2	/	40
CS65-S-25K	25	5	/	100
CS65-S-30K	30	5	/	100
CS65-O-3K	3	1	1	20
CS65-O-6K	6	2	2	40
CS65-O-15K	15	5	5	100
CS65-O-25K	25	10	10	200
CS65-O-30K	30	10	10	200
CS65-D-6K	3 | 6	1 | 2	1 | 2	20
CS65-D-15K	6 | 15	2 | 5	2 | 5	40
CS65-D-25K	15 | 25	5 | 10	5 | 10	100
CS65-D-30K	15 | 30	5 | 10	5 | 10	100

CS65-3 Waterproof Compact Weighing Scale

SP-scale

CE | OIML | M | NSF

IP65

Features

High mobility: battery operation, compact, light weight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.)
Easy to clean: stainless steel pan. Its smooth surfaces make it simple to clean
Easy to read: 6 digits 25mm digits high LCD display, with 3 color LED backlight
Full function: zero, tare, check weighing with 3 color backlight

Technical Data

Display: LCD display, digit height 25 mm, with 3 color LED backlight
Power: AC adapter (100~240VAC/12V500mA), lead acid battery (6V/3.2Ah), operation time: 70 hours
Dimensions: 286x316x126.5 mm
Pan size: 200×260 mm
Net weight: 3.6kg
Gross weight: 4.4kg
Operation temperature: -10°C/40°C

Accessories

- Rear display

Standard

IP | BATTERY

Factory Option

INT-VER

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Minimal load [Min]g
CS65-S3-3K	3	0.5	/	10
CS65-S3-6K	6	1	/	20
CS65-S3-15K	15	2	/	40
CS65-S3-25K	25	5	/	100
CS65-S3-30K	30	5	/	100
CS65-O3-3K	3	1	1	20
CS65-O3-6K	6	2	2	40
CS65-O3-15K	15	5	5	100
CS65-O3-25K	25	10	10	200
CS65-O3-30K	30	10	10	200
CS65-D3-6K	3 | 6	1 | 2	1 | 2	20
CS65-D3-15K	6 | 15	2 | 5	2 | 5	40
CS65-D3-25K	15 | 25	5 | 10	5 | 10	100
CS65-D3-30K	15 | 30	5 | 10	5 | 10	100

CT65 Waterproof Compact Weighing Scale s/s

SP-scale

CE · OIML · M · NSF

IP65

Features

IP65 waterproof protection, Stainless steel construction

High mobility: battery operation, compact, light weight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, Food industry-Laboratory etc.)

Easy to clean: stainless steel pan and housing. Its smooth surfaces make it simple to clean

Full function: zero, tare, unit change

Technical Data

Display: LCD display, digit height 25 mm, with white color LED backlight

Power: AC adapter (100~240VAC/12V500mA), lead acid battery (6V/3.2Ah), operation time: 70 hours

Dimensions: 242.9×299.7x126.7 mm

Pan size: 230×190 mm

Net weight: 3.8 kg

Operation temperature: -10°C/40°C

Accessories

■ Rear display

Standard

UNIT · IP · BATTERY

Factory Option

INT-VER

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Minimal load [Min]g
CT65-S-3K	3	0.5	/	10
CT65-S-6K	6	1	/	20
CT65-S-15K	15	2	/	40
CT65-S-25K	25	5	/	100
CT65-S-30K	30	5	/	100
CT65-O-3K	3	1	1	20
CT65-O-6K	6	2	2	40
CT65-O-15K	15	5	5	100
CT65-O-25K	25	10	10	200
CT65-O-30K	30	10	10	200
CT65-D-6K	3 | 6	1 | 2	1 | 2	20
CT65-D-15K	6 | 15	2 | 5	2 | 5	40
CT65-D-25K	15 | 25	5 | 10	5 | 10	100
CT65-D-30K	15 | 30	5 | 10	5 | 10	100

CSF Compact Heavy Weighing Scale

SP-scale

CE (OIML) M
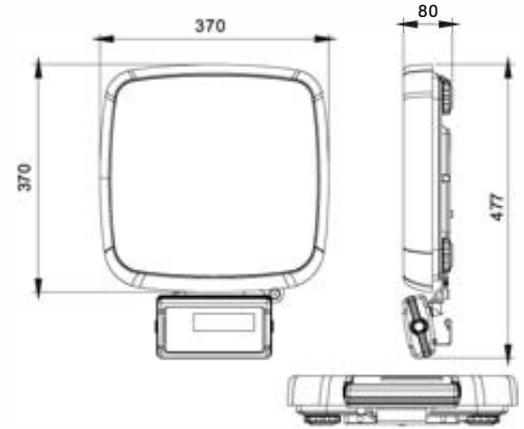
Features

An economical general purpose instrument
Applications: 1. Net/gross shift 2. Weighing unit conversion 3. Check weighing 4.RS-232 output is standard
Battery provides up to 40 hours of continuous use(without backlight)

Technical Data

Display: 22mm digit LCD display, with white LED backlight
Capacities: 60kg-250kg
Platform size: 370 x 370mm
Keyboard: 6 keys (Membrane keyboard)
Housing: ABS plastic
Max. Divisions: 2x3,000e
ADC: Sigma delta
ADC update: ≤1/10 second
Operating Temp: -10℃~+40℃
Gross weight:9.2kg

Accessories

■ TPuP Printer
■ OS-2130D Printer

Standard

UNIT | TOL | BATTERY

Model	Weighing Capacity [Max]kg	Readability [d]g	Division	Approval
CSF-D-60k	60	10g | 20g	2 x 3,000e	CE,OIML
CSF-D-150k	150	20g | 50g	2 x 3,000e	CE,OIML
CSF-D-250k	250	50g | 100g	2 x 3,000e	CE,OIML

# CSS-B Simple Compact Weighing Scale

General Specifications

- Display — 24mm digit LCD display, with white LED backlight
- Capacities — 3kg~30kg
- Platform size — 230 x 300mm
- Keyboard — 4 keys(Membrane keyboard)
- Housing — ABS plastic
- Max. Divisions — 15,000d
- ADC — Sigma delta
- ADC update — ≤1/10 second
- Operate Temp — 0℃~+40℃
- Power — AC adapter (12V/500mA), internal rechargeable battery (6V/4Ah)
- Gross weight — 5kg

Model Name	Capacity	Readability	Division	Approx. weight	Approval
CSS-B-3K	3kg	0.2g	15,000d	5kg	CE
CSS-B-6K	6kg	0.5g	15,000d	5kg	CE
CSS-B-15K	15kg	1g	15,000d	5kg	CE
CSS-B-30K	30kg	2g	15,000d	5kg	CE

- Applications: 1. Tare 2. Check weighing 3. Weighing units conversion
- Battery provides up to 70 hours of continuous use（without backlight）

CSS-x Compact Weighing Scales
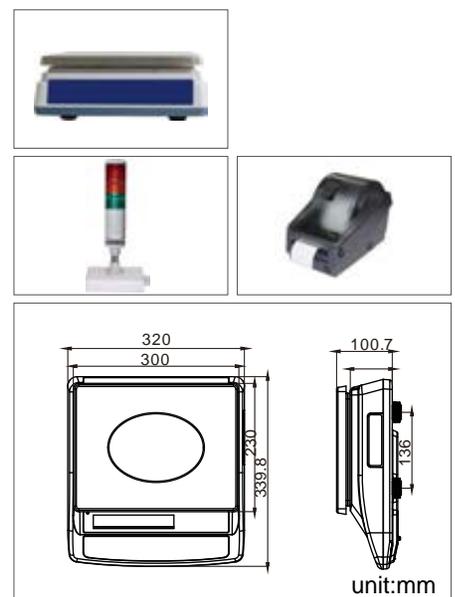
SP-scale

CE OIML M

unit:mm

Features

Easy to move: battery operation, compact, light weight construction, it is suitable for the use in several locations (production, warehouse, logistic department etc.).

Easy to clean: stainless steel pan. Its smooth surfaces make it simple to clean

Easy to read: 6 digits 24mm digits high LCD display, with white color LED backlight

High precision: external resolution up to 1/150,000

Full function: unit change, accumulation, checkweighing, simply counting, percentage weighing.

Check weighing: a visual and sound signal helps with portioning, dispensing or grading

Technical Data

Display: LCD display, digit height 24 mm, with white color LED backlight

Power: AC adapter (100~240VAC/12V500mA), lead acid battery (6V/4Ah), operation time: 70 hours

Dimensions 320(W)×340(D)x100.7(H)mm

Pan size: 230×300 mm

Net weight:3.7kg

Gross weight:4.4kg

Operation temperature: -10°C~40°C

Accessories

- Rear display
- RS-232 interface can connect to PC or printer.
- RS-232 cable for PC
- RS-232 cable for printer
- Label printer
- Mini printer
- 3 color light tower

Standard

| PCS | SUM | PERCENT | UNIT | TOL | BATTERY |

Factory Option

| INT-VER | RS 232 |

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Minimal load [Min]g
CSS-S-3K	3	0.1	/	2
CSS-S-6K	6	0.2	/	4
CSS-S-15K	15	0.5	/	10
CSS-S-30K	30	1	/	20
CSS-H-3K	3	0.05	/	2
CSS-H-6K	6	0.1	/	4
CSS-H-15K	15	0.2	/	10
CSS-H-30K	30	0.5	/	20
CSS-U-3K	3	0.02	/	0.4
CSS-U-6K	6	0.05	/	1
CSS-U-15K	15	0.1	/	2
CSS-U-30K	30	0.2	/	4
CSS-O-3K	3	1	1	20
CSS-O-6K	6	2	2	40
CSS-O-15K	15	5	5	100
CSS-O-30K	30	10	10	200
CSS-D-6K	6	1/2	1/2	20
CSS-D-15K	15	2/5	2/5	40
CSS-D-30K	30	5/10	5/10	100

CSQ Compact Precision Weighing Scales

SP-scale

CE | OIML | M

Features

Easy to move: battery operation, compact, light weight construction, it is suitable for the use in several locations (production, warehouse, logistic department **etc.**).
Easy to clean: stainless steel pan. Its smooth surfaces make it simple to clean
Easy to read: 6 digits 24mm digits high LCD display, with white color LED backlight
High precision: external resolution up to 1/60,000
Full function: unit change, accumulation, checkweighing, simply counting, percentage weighing.

Check weighing: a visual and sound signal helps with portioning, dispensing or grading

Technical Data

Display: LCD display, digit height 24 mm, with white color LED backlight
Power: AC adapter (100~240VAC/12V500mA), lead acid battery (6V/4Ah), operation time: 70 hours
Dimensions 320×340x101 mm
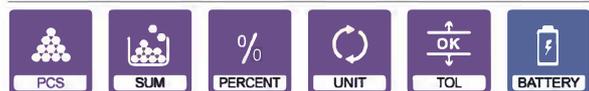**Pan size:** 230×300 mm
Net weight: approx. 5.1 kg

Operation temperature: -10°C~40°C

Accessories

- Rear display
- RS-232 interface can connect to PC or
- printer.
- RS-232 cable for PC
- RS-232 cable for printer
- Label printer
- Mini printer
- 3 color light tower

Standard

PCS | SUM | PERCENT | UNIT | TOL | BATTERY

Factory Option

INT-VER | RS 232

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Minimal load [Min]g	Smallest part weight g/piece
CSQ-S-3k	3	0.1	-	2	0.05
CSQ-S-6k	6	0.2	-	4	0.1
CSQ-S-15k	15	0.5	-	10	0.25
CSQ-S-30k	30	1	-	20	0.5
CSQ-H-3k	3	0.05	-	1	0.025
CSQ-H-6k	6	0.1	-	2	0.05
CSQ-H-15k	15	0.2	-	4	0.1
CSQ-H-30k	30	0.5	-	10	0.25
CSQ-O-3k	3	1	1	20	0.5
CSQ-O-6k	6	2	2	40	1
CSQ-O-15k	15	5	5	100	2.5
CSQ-O-30k	30	10	10	200	5
CSQ-D-6k	3 | 6	1 | 2	1 | 2	20	0.5
CSQ-D-15k	6 | 15	2 | 5	2 | 5	40	1
CSQ-D-30k	15 | 30	5 | 10	5 | 10	100	2.5

CSQ-U Ultra-Precision Compact Weighing Scale

CE

Multifunctional Industrial Scale with High Capacity

Features

* **High Resolution,Upgrade up to 1/300,000**

The CSQ-U series combines the latest weighing chip with new developed software offering a competitive performance weighing, internal resolution is up to 4 million divisions, external resolution is up to 300,000 divisions.

* **Higher Cost Performance**

We break the technical bottleneck in traditional analog load cell and offer the advantage of comprehensive linearity and temperature compensation, which provide users competitive performance at an economical price .

* **Compact Design,Easy to Operate**

Durable construction, large weighing surfaces with stainless steel pan,that is easy to clean, the balance is equipped with an easy-to-read, white bright backlight display, which make it incredibly easy to operate

* **Multifunctional Use For a Variety of Applications**

CSQ-U series offering high accuracy and repeatability, it is equipped with basic weighing, check weighing,accumulation, parts counting and percentage weighing for applications in production, industrial and warehouse settings.

HBM High Precision Load Cell

The balance is equipped with HBM high precision load cell,it is extremely accurate and durable,ensures that the balance provide a reliable results.

Easy Communication

The balance can also be connected printers or PC via its standard RS-232 port for data transfer,making it ideal for routine weighing applications.

Back Office Management Software

Our software allows you to transfer data in real time ,compatible with Microsoft Windows.

SP-scale

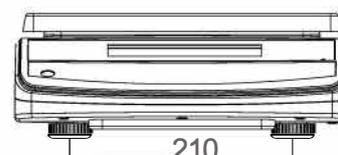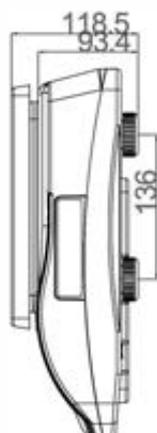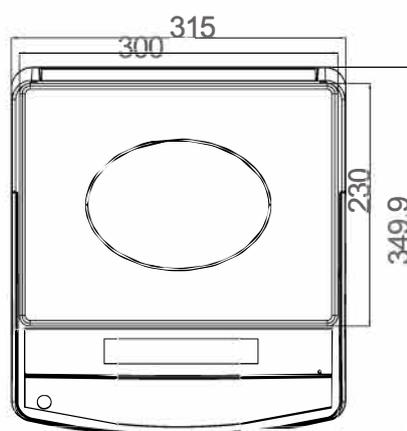# CSQ-U Ultra-Precision Compact Weighing Scale   CE

Technical Data

Item	Specification
Model	CSQ-U-30k
Capacities	30 kg
Readabilities	0.1 g
Max. Divisions	300,000d
Pan Size	230 x 300mm
Power Supply	Input :100~240VAC 50~60Hz, Output: DC 12V 500mA
Battery	6V 4Ah lead acid rechargeable battery
Display	16.5mm digit LCD display with white LED backlight
Interface	RS232
Housing	ABS plastic housing, Stainless steel pan
Keyboard	7 membrane keys
Units	g/g(hi resolution)/ct/lb/oz/d/gn/ozt/dwt/mom/tl.t/tl.h/tlj/t/bt/n
Applications	Basic weighing, Parts counting, Percent weighing, Accumulation
Option	Bluetooth 5.0，Under hook
Net Weight	4.2 kg
Gross Weight	5.1 kg
Volume	0.033m³
Dimension (W x D x H)	315 x 350 x 120mm
Packaging (W x D x H)	445 x 365 x 205mm±3mm
Operating Conditions	Temperature：5℃~35℃, Humidity：5%~85% R.H.

Dimension(mm)

CSB Compact Weighing Scale with Big Display

SP-scale

CE   OIML   M
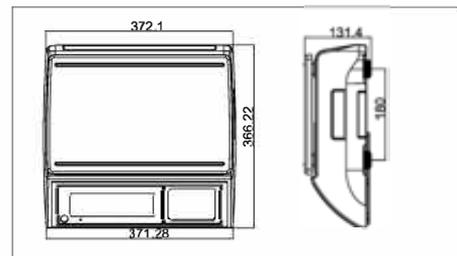
Features

Easy to clean: stainless steel pan. Its smooth surfaces make it simple to clean
High precision: external resolution up to 1/45,000
Full function: unit change, accumulation, checkweighing, simply counting, percentage weighing.
Check weighing: a visual and sound signal helps with portioning, dispensing or grading

Technical Data

Display: LCD display, digit height 52 mm with white color LED backlight
Power: AC adapter (100~240VAC/12V500mA), lead acid battery (6V/4Ah), operation time: 70 hours
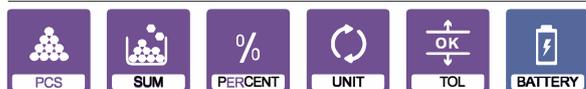**Dimensions:** 371x 366 x132 mm
Pan size: 240×370 mm
Net weight: approx. 5.8 kg
Operation temperature: -10°C~40°C

Accessories

- USB interface
- RS-232 interface can connect to PC or printer
- RS-232 cable for PC
- RS-232 cable for printer
- Label printer
- Mini printer
- 3 color light tower

Standard

PCS | SUM | PERCENT | UNIT | TOL | BATTERY

Factory Option

INT-VER | RS 232 | USB

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Minimal load [Min]g	Smallest part weight g/piece
CSB-S-6k	6	0.2	-	4	0.1
CSB-S-15k	15	0.5	-	10	0.25
CSB-S-30k	30	1	-	20	0.5
CSB-S-45k	45	1	-	20	0.5
CSB-O-6k	6	2	2	40	1
CSB-O-15k	15	5	5	100	2.5
CSB-O-30k	30	10	10	200	5
CSB-O-45k	45	20	20	400	10
CSB-D-6k	3 | 6	1 | 2	1 | 2	20	0.5
CSB-D-15k	6 | 15	2 | 5	2 | 5	40	1
CSB-D-30k	15 | 30	5 | 10	5 | 10	100	2.5
CSB-D-45k	30 | 45	10| 20	10 | 20	200	5

CSB-PD Compact Weighing Scale with Big Display and Printer

CE

Economical Printing Weighing Scales for Basic Industrial Applications

Features

∗ **Compact Design**
Constructed of high-impact ABS plastic, highly durable to use. It can be placed on the level surface

∗ **Clearly LCD Display**
Results are shown clearly with LCD display, easy to read with white LED backlight.

∗ **Five application modes**
Weighing, parts counting, percent weighing, check weighing and accumulation.

∗ **Rechargeable Battery**
Internal rechargeable lead-acid battery, it can be worked 90 hours of continuous use with full charged.

Built-in Thermal Printer

Built-in thermal printer, easy to load, it supports to print out label and receipt format, bar code and QR code can be shown on the format.

Communication Port

Easy access communication port including RS232 interface for printing or connection to PC.

### Multiple Use for a Variety of Application

It is equipped with basic weighing, check weighing, accumulation, parts counting and percentage weighing for applications in production, industrial and warehouse settings.

# CSB-PD Compact Weighing Scale with Big Display and Printer

CE

Technical Data

Item	Specification									
Model	CSB-PD									
Capacity	3kg	6kg	15kg	30kg	45kg	3kg	6kg	15kg	30kg	45kg
Readability	1g	2g	5g	10g	10g	0.1g	0.2g	0.5g	1g	1g
Max. Divisions	3,000d					30,000d				
Display	6 digits 24 mm hight LCD Display with white LED back Light									
Housing	ABS plastic housing									
Keypad	7 membrane keys									
Weighing Units	kg/g/lb/oz									
Printer	Maximum paper width: 55mm									
	Print speed: 80mm/s									
	Maximum printing width: 48mm									
	Printer type: support to print label and receipt									
Stabilization Time	Within 1 second									
Interface	RS-232									
Optional	USB, Bluetooth 5.0									
Temperature	Operation: -10°C~40°C, Storage: -20°C~60°C, Humidity: 5%~85% R.H.									
Power	Input AC 100-240V, Output DC 12V/2500mA 6V/10Ah rechargeable battery									
Battery Life	Approx. 90 hours with backlight of continuous use									
	Approx. 135 hours without backlight of continuous use									
	Approx. 8 hours with printing									
	Approx.10 hours with charge									
Dimensions(mm)	380 (W) x 366 (D) x 133 (H)									
Packaging Dimensions(mm)	470 (W) x 430 (D) x 195 (H)									
Net Weight	5.97kg									
Gross Weight	6.95kg									

Dimension(mm)
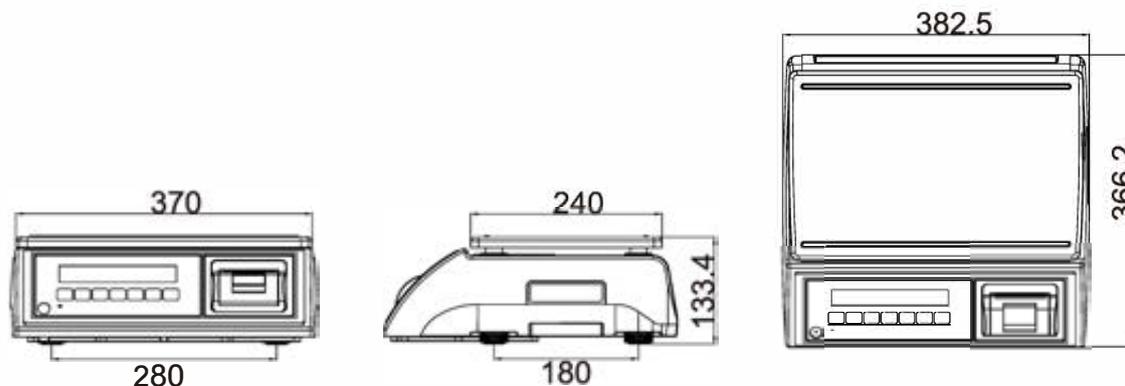
CSR Compact Weighing Scale with Round Pan

SP-scale

CE (OIML) M
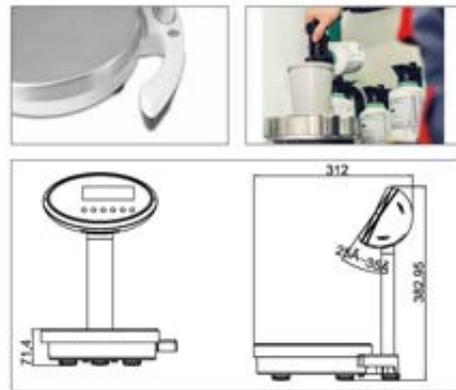
Features

Stainless steel pan

An economical general purpose instrument

Applications: 1. Net/gross shift 2. Weighing unit conversion 3. Check weighing 4.Accumulation

Battery provides up to 40 hours of continuous use(without backlight)

Standard RS-232 to connect to computer or printer

Standard

| UNIT | TOL | BATTERY |

Technical Data

Display: 22mm digit LCD display, with white LED backlight
Capacities: 3kg, 6kg,15kg
Keyboard: 6 keys (Mechanical switch)
Housing: ABS plastic indicator
Max. Divisions: 30,000d; 6,000e; 2x3,000e
ADC: Sigma delta
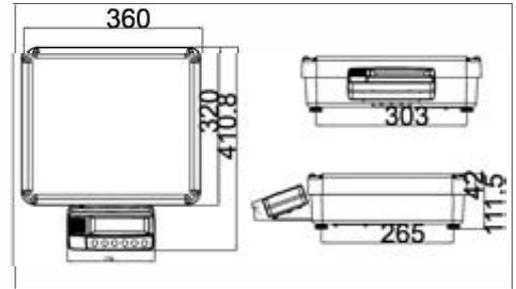**ADC update:** ≤1/10 second

Accessories

■ TPuP Printer

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Minimal load [Min]g
CSR-S-3k	3	0.1	-	2
CSR-S-6k	6	0.2	-	4
CSR-S-15k	15	0.5	-	10
CSR-O-3k	3	1	1	20
CSR-O-6k	6	2	2	40
CSR-O-15k	15	5	5	100
CSR-D-6k	3 | 6	1 | 2	1 | 2	20
CSR-D-15k	6 | 15	2 | 5	2 | 5	40

CSH High Cap & High Res Compact Weighing Scale

SP-scale

CE (OIML) M

Features

Easy to move: battery operation, compact, light weight construction, it is suitable for the use in several locations (production, warehouse, logistic department etc.)

Easy to clean: stainless steel pan, Its smooth surfaces make it simple to clean

Easy to read: 6 digits 22mm digits high LCD display, with white color LED backlight

High precision: external resolution up to 1/60,000

Full function: unit change, accumulation, checkweighing

Check weighing: a visual and sound signal helps with portioning, dispensing or grading

Technical Data

Display: LCD display, digit height 22mm, with white LED backlight
Capacities: 6kg~60kg
Pan size: 320×360mm
Housing: ABS plastic indicator
Net weight: approx. 9kg
Power: AC adapter (100~240VAC/12V500mA), Ni-MH battery (1.2V/2000mAh x 6), battery
Operation time: 40 hours (without backlight)
Operation temp.: -10°C~+40°C

Accessories

- RS-232 interface can connect to PC or printer.
- RS-232 cable for PC
- RS-232 cable for printer
- Label printer
- Mini printer

Standard

| SUM | UNIT | TOL | BATTERY |

Factory Option

| INT-VER | RS 232 |

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Minimal load [Min]g
CSH-S-6K	6	0.2	-	4
CSH-S-15K	15	0.5	-	10
CSH-S30K	30	1	-	20
CSH-S-60K	60	2	-	40
CSH-H-6K	6	0.1	-	2
CSH-H-15K	15	0.2	-	4
CSH-H-30K	30	0.5	-	10
CSH-H-60K	60	1	-	20
CSH-O-3K	3	1	1	20
CSH-O-6K	6	2	2	40
CSH-O-15K	15	5	5	100
CSH-O-30K	30	10	10	200
CSH-D-6K	3 | 6	1 | 2	1 | 2	20
CSH-D-15K	6 | 15	2 | 5	2 | 5	40
CSH-D-30K	15 | 30	5 | 10	5 | 10	100

CS Series Compact Weighing Scales

OIML NTEP

CS
ABS Scale

CS68
ABS Waterproof Scale

CT68
SST Waterproof Scale

Features

IP68/IP69K Rating (Excluding CS)

Dust and Water Resistant

- Precise weighing in damp environments
- High durability, reducing maintenance costs
- Suitable for damp, dusty, and frequently cleaned scenarios

NSF Approval
Meets Food Safety Standards

- Compliant with food safety standards, hygienic and reliable
- Smooth contact surface, easy to clean
- Suitable for food industries

NSF®

Application Scenarios

Seafood Market

Butcher Shop

Kitchen

Food Processing

CS Series Compact Weighing Scales

SP-scale

Light Option

Dry Battery

Continuous Usage up to 700 Days without backlight

- Low power consumption
- Meet the needs of mobile weighing
- Suitable for scenarios without a fixed power source

* With white backlight, check weighing by triangular symbols.

* Option: AC adapter

Premium Option

Rechargeable Battery

Continuous Usage up to 100 Days without backlight

- Sustainable choice, Eco-friendly and cost-effective
- Efficient and convenient battery management
- Ideal choice for high-usage environments

3-Colour Backlight

Clear and Intuitive

- Ensure clear data visibility in any lighting environment
- Help you quickly identify weighing status
- Ideal choice for manufacturing facilities

Colour Option

Sleek White Exterior
**Choose Your Own Style**

CS Series Compact Weighing Scales

SP-scale

Specification

OIML   NTEP

Model	CS-S & CS-D	CS68-S & CS68-D	CT68-S & CT68-D
IP Rating	N/A	IP68 / IP69K	IP68 / IP69K
Capacity	6kg, 15kg, 30kg		
Non-Approve	Precision: Max. 30,000d Unit: kg, g, lb, oz, lb:oz		
OIML	Precision: 2 × 3,000e Unit: kg, g		
NTEP	Precision: 6,000e Unit: kg, g, lb, oz		
Keyboard	4 mechanical buttons: Tare, Zero, Power switch, Unit switch		
Power	AC Adaptor (5V, 1A)		
Battery	4 Type D batteries (Not included) (Light option) Rechargeable lithium battery (3.7V, 4000mAh) (Premium option)		
Display	25mm digit height, 6-digit 7-segment Full View LCD display 3-colour backlight (Premium option)		
Weighing Pan	190 × 230mm, 304 SST Pan		
Dimension	230(W) × 273(D) × 106(H) mm		
Cover	ABS housing		304 SST cover + housing
Gross Weight	3.0kg	3.1kg	3.5kg
Operating Condition	Temperature：-10℃~40℃, Humidity：5%~85% R.H.		
Storage Condition	Temperature：-20℃~60℃, Humidity：5%~85% R.H.		

Dimension
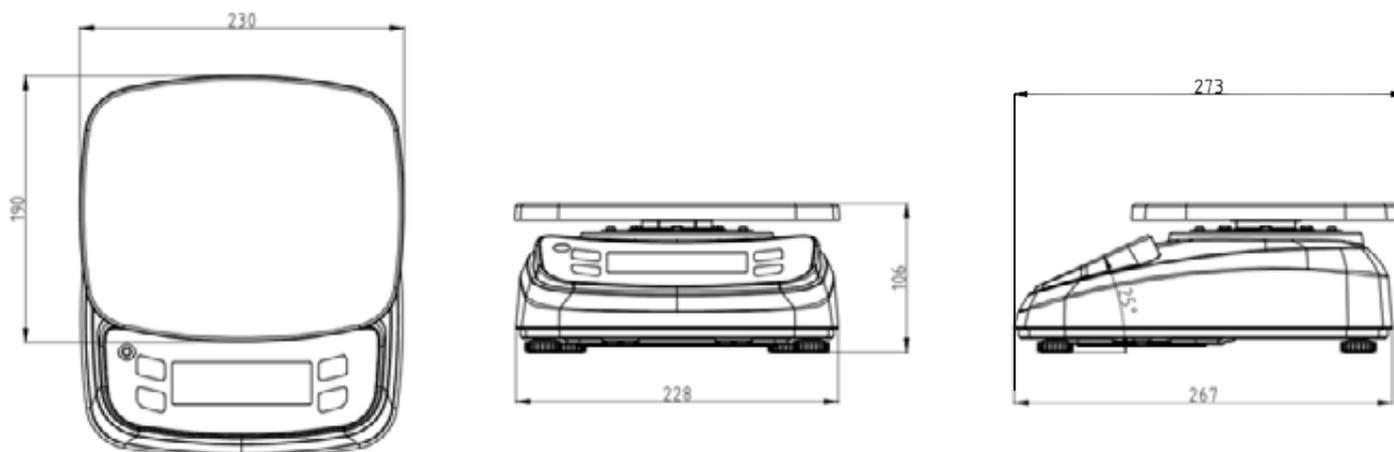
SP-scale

COUNTING SCALES

CSC-1 Piece Counting Scales

CE OIML M

Features

High mobility: rechargeable battery operation, compact, light weight construction, it is suitable for the use in several locations (production, warehouse, logistic department etc.)

Precise counting: The automatic reference weight optimization of reference weight gradually improves the average piece weight value accuracy

High precision: external resolution up to 1/60,000

Unit weight input or sample operation

Three displays for weight display (verifiable), reference weight, total pieces

Audible Fill-to-target: target quantity or target weight can be programmed, e. g. for checkweighing. When the target value is reached, a sound signal will be sent

Counting results memory: adds up all individual piece counts, result is shown in total weight and total pieces

Technical Data

Display: LCD display, digit height 15mm, with white color LED backlight

Power: AC adapter (100~240VAC/12V500mA), lead acid battery (6V/3.2Ah), operation time: 60 hours

Pan size: 264x205mm

Dimensions 313×263×109mm
Net weight: approx. 3.2kg
Operation temperature: -10°C/40°C

Accessories

- RS-232 interface can connect to PC or printer
- RS-232 cable for PC
- RS-232 cable for printer
- Mini printer
- Label printer

Standard

SUM TOL BATTERY

Factory Option

RS 232 INT-VER

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Minimal load [Min]g	Smallest part weight g/piece
CSC-1LS-3k	3	0.1	-	2	0.05
CSC-1LS-6k	6	0.2	-	4	0.1
CSC-1LS-15k	15	0.5	-	10	0.25
CSC-1LS-30k	30	1	-	20	0.5
CSC-1HS-3k	3	0.05	-	1	0.025
CSC-1HS-6k	6	0.1	-	2	0.05
CSC-1HS-15k	15	0.2	-	4	0.1
CSC-1HS-30k	30	0.5	-	10	0.25
CSC-1LO-3k	3	1	1	20	0.5
CSC-1LO-6k	6	2	2	40	1
CSC-1LO-15k	15	5	5	100	2.5
CSC-1LO-30k	30	10	10	200	5

CSC-2 PieceCounting Scales

CE (OIML) M

Features

High mobility: rechargeable battery operation, compact, light weight construction, it is suitable for the use in several locations (production, warehouse, logistic department etc.)

Precise counting: The automatic reference weight optimization of reference weight gradually improves the average piece weight value

High precision: external resolution up to 1/60,000

Unit weight input or sample operation

Three displays for weight display (verifiable), reference weight, total pieces Counting results memory: adds up all individual piece counts, result is shown in total weight and total pieces

Audible Fill-to-target: target quantity or target weight can be programmed, e. g. for checkweighing. When the target value is reached, a signal will sound

PRE-TARE function for manual subtraction of a known container weight, useful for checking fill-levels

Unit weight memory with Item description, stored and shown on the display in clear text

Second platform interface to construct a high-resolution counting system (do sample operation at one scale, and do count operation at

Technical Data

Large backlit LCD displays, digit height 20 mm, with white color LED backlight
Power: AC adapter (100~240VAC/12V500mADC), recharge battery (lead acid battery 6V/4Ah), battery

operation time: 70 hours
Pan size: 230x300mm
Dimensions: 315×350×120 mm
Net weight: approx. 5.1 kg
Operation temperature : -10 °C/40 °C

Accessories

- RS-232 interface can connect to PC or printer.
- RS-232 cable for PC
- RS-232 cable for printer
- Mini printer
- Label printer

Standard

SUM   TOL   BATTERY

Factory Option

RS 232   INT-VER   DUAL

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Minimal load [Min]g	Smallest part weight g/piece
CSC-2LS-3k	3	0.1	-	2	0.05
CSC-2LS-6k	6	0.2	-	4	0.1
CSC-2LS-15k	15	0.5	-	10	0.25
CSC-2LS-30k	30	1	-	20	0.5
CSC-2HS-3k	3	0.05	-	1	0.025
CSC-2HS-6k	6	0.1	-	2	0.05
CSC-2HS-15k	15	0.2	-	4	0.1
CSC-2HS-30k	30	0.5	-	10	0.25
CSC-2LO-3k	3	1	1	20	0.5
CSC-2LO-6k	6	2	2	40	1
CSC-2LO-15k	15	5	5	100	2.5
CSC-2LO-30k	30	10	10	200	5

CSC-3 Counting Scales

CE (OIML) M

Features

High mobility: rechargeable battery operation, compact, light weight construction, it is suitable for the use in several locations (production, warehouse, logistic department etc.)

Precise counting: The automatic reference weight optimization of reference weight gradually improves the average piece weight value

High precision: external resolution up to 1/60,000

Unit weight input or sample operation

Three displays for weight display (verifiable), reference weight, total pieces Counting results memory: adds up all individual piece counts, result is shown in total weight and total pieces

Audible Fill-to-target: target quantity or target weight can be programmed, e. g. for checkweighing. When the target value is reached, a signal will sound PRE-TARE

function for manual subtraction of a known container weight, useful for checking fill-levels

Unit weight memory with Item description, stored and shown on the display in clear text

Second platform interface to construct a high-resolution counting system (do sample operation at one scale, and do count operation at

Technical Data

Large backlit LCD displays, digit height 20 mm, with white color LED backlight

Power: AC adapter (100~240VAC/12V500mADC), recharge battery (lead acid battery 6V/4Ah), battery

operation time: 70 hours

Pan size: 230x300mm

Dimensions: 315×350×120 mm

Gross weight: approx. 5 kg

Operation temperature : -10 °C/40 °C

Accessories

- RS-232 interface can connect to PC or printer.
- RS-232 cable for PC
- RS-232 cable for printer
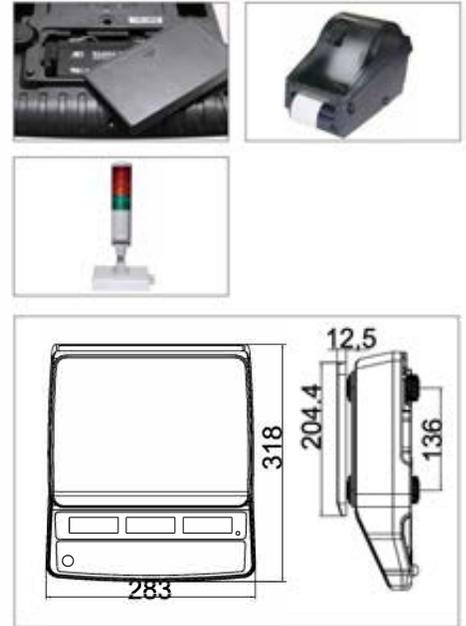- Mini printer
- Label printer

Standard

Factory Option

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Minimal load [Min]g
CSC-3LS-3k	3	0.1	-	2
CSC-3LS-6k	6	0.2	-	4
CSC-3LS-15k	15	0.5	-	10
CSC-3LS-30k	30	1	-	20
CSC-3HS-3k	3	0.05	-	1
CSC-3HS-6k	6	0.1	-	2
CSC-3HS-15k	15	0.2	-	4
CSC-3HS-30k	30	0.5	-	10
CSC-3LO-3k	3	1	1	20
CSC-3LO-6k	6	2	2	40
CSC-3LO-15k	15	5	5	100
CSC-3LO-30k	30	10	10	200
CSC-3LD-6k	3/6	1/2	1/2	20
CSC-3LD-15k	6/15	2/5	2/5	40
CSC-3LD-30k	15/30	5/10	5/10	100

CSC-4 Piece Counting

Scales CE (OIML) M

12,5
204,4
318
136
283

Features

High mobility: rechargeable battery operation, compact, light weight construction, it is suitable for the use in several locations (production, warehouse, logistic department etc.)

Precise counting: The automatic reference weight optimization of reference weight gradually improves the average piece weight value accuracy

High precision: external resolution up to 1/60,000

Unit weight input or sample operation

Three displays for weight display (verifiable), reference weight, total pieces

Counting results memory: adds up all individual piece counts, result is shown in total weight and total pieces

Audible Fill-to-target: target quantity or target weight can be programmed, e. g. for checkweighing. When the target value is reached, a sound signal will be sent

PRE-TARE function for manual subtraction of a known container weight, useful for checking fill-levels

Technical Data

Display: LCD display, digit height 15mm, with white LED backlight

Capacities: 3kg~30kg

Housing: ABS plastic

Dimensions: 283×318x110mm

Pan size: 204×263mm

Net weight: approx. 4.1kg

Power: AC adapter (100~240VAC/12V500mA), rechargeable battery 6V/3.2Ah, battery operation time: 60 hours (without backlight)

Operation temperature: -10°C~+40°C

Accessories

- RS-232 interface can connect to PC or printer
- RS-232 cable for PC
- RS-232 cable for printer
- Mini printer

Standard

| SUM | TOL | BATTERY |

Factory Option

| RS 232 | INT-VER |

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Minimal load [Min]g
CSC-4LS-3K	3	0.1	-	2
CSC-4LS-6K	6	0.2	-	4
CSC-4LS-15K	15	0.5	-	10
CSC-4LS-30K	30	1	-	20
CSC-4HS-3K	3	0.05	-	1
CSC-4HS-6K	6	0.1	-	2
CSC-4HS-15K	15	0.2	-	4
CSC-4HS-30K	30	0.5	-	10
CSC-4LO-3K	3	1	1	20
CSC-4LO-6K	6	2	2	40
CSC-4LO-15K	15	5	5	100
CSC-4LO-30K	30	10	10	200
CSC-4LD-6K	3 | 6	1 | 2	1 | 2	20
CSC-4LD-15K	6 | 15	2 | 5	2 | 5	40
CSC-4LD-30K	15 | 30	5 | 10	5 | 10	100

CSC-5 Piece Counting Scales

CE (OIML) M

Features

High mobility: rechargeable battery operation, compact, light weight construction, it is suitable for the use in several locations (production, warehouse, logistic department etc.)

Precise counting: The automatic reference weight optimization of reference weight gradually improves the average piece weight value

High precision: external resolution up to 1/30,000

Unit weight input or sample operation

Three displays for weight display (verifiable), reference weight, total pieces

Counting results memory: adds up all individual piece counts, result is shown in total weight and total pieces

Audible Fill-to-target: target quantity or target weight can be programmed, e. g. for checkweighing. When the target value is reached, a signal will sound

PRE-TARE function for manual subtraction of a known container weight, useful for checking fill-levels

RS-232 interface can connect to PC or printer.

Technical Data

Large backlit LCD displays, digit height 20 mm, with white color LED backlight

Power: AC adapter (100~240VAC/12V500mADC), recharge battery (lead acid battery 6v/4Ah), battery **operation time:** 70 hours

Pan size: 240x370mm
Dimensions 371×366×132 mm
Net weight: approx. 5.8 kg
Operation temperature: -10 °C/40 °C

Accessories

- USB interface
- RS-232 cable for PC
- RS-232 cable for printer
- Mini printer
- Label printer

	Standard		Factory Option	
SUM	TOL	BATTERY	RS 232	USB

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Minimal load [Min]g	Smallest part weight g/piece
CSC-5LS-6k	6	0.2	-	4	0.1
CSC-5LS-15k	15	0.5	-	10	0.25
CSC-5LS-30k	30	1 1	-	20	0.5
CSC-5LS-45k	45		-	20	0.5

CSC-5DS Counting Scales

General Specifications

- Display   20mm digit LCD display, with white LED backlight
- Capacities   6kg~45kg
- Pan size   240 x 370mm
- Keyboard   25keys(Mechanical switch)
- Housing   ABS plastic
- Max. Divisions 30,000d
- ADC update   ≤1/10 second
- Operate Temp   0℃~+40℃
- Power   AC adapter (12V/500mA), internal rechargeable battery (6V/4Ah)
- Gross weight   5.8kg

- Programmable to meet your needs
- Application: 1. Parts counting 2. Accumulating memory
             3. Preset count with alarm
             4. Up to 100 PLUs with description
- Dual channel interface, connect external platform
- Optional USB interface
- Optional bluetooth
- Battery provide up to 70 hours of continuous use(without backlight)
- Optional RS-232 interface can connect to computer or external printer
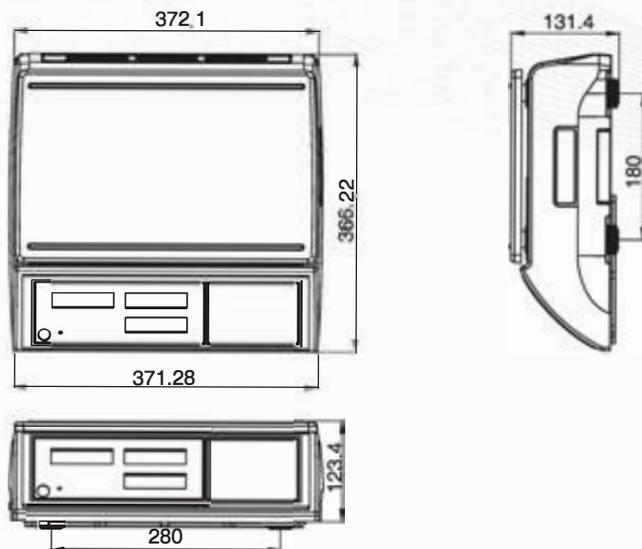
CSC-5DS Counting Scales

Model Name	Capacity	Readability	Division	Approx. weight	Approval
CSC-5DS-6K	6kg	0.2g	30,000d	5.8kg	CE
CSC-5DS-15K	15kg	0.5g	30,000d	5.8kg	CE
CSC-5DS-30K	30kg	1g	30,000d	5.8kg	CE
CSC-5DS-45K	45kg	1g	45,000d	5.8kg	CE

Options

TPuP Printer | OS-2130D Printer | Remote platform

Dimensions(mm)

372.1
366.22
371.28
131.4
180
123.4
280

Print formats


```
LOCAL   SCALE
ID:     123456
NAME:APPLE
        2 NO.
  1.0770 kg NET
  1.236 g  U.W.
      872 PCS

LOCAL   SCALE
ID:     123456
NAME:APPLE
        3 NO.
  1.1575 kg NET
  1.236 g  U.W.
      936 PCS

LOCAL   SCALE
TOTAL
- - - - - - - - -
  3.2345 kg TW
     2617 TPS
        3 NO

LOCAL   SCALE
ID:     123456
NAME:APPLE
        1 NO.
  1.0000 kg NET
  1.236 g  U.W.
      809 PCS
```
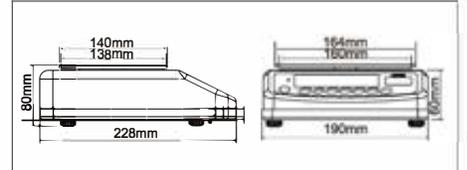
SP-scale

PRECISION BALANCES

SPP-1S / SPP-1HS Precision Balance

CE

Features

High precision: external resolution up to 1/60,000

Capacity display: A bar lights up to show how much of the weighing capacity is still available

Draft shield standard on models capacity below 1500g

Function include: simply counting, percentage weighing, weighing unit change, accumulation

Rich interface: standard RS-232 interface, connect to PC or printer, optional Bluetooth and USB interface

When connect with additional remote display kit (for customer), can be "direct sale to public"

Technical Data

Display: LCD display, digit height 16.5 mm, with white color LED backlight

Power: AC adapter (100~240VAC/12V500mA), rechargeable battery (lead acid 6V/1.2Ah), operation time: 30 hours

Pan size: c120/124x144mm

Dimensions: 200x250x154mm (with wind shielding)

Net weight: 2.7kg (without draft shield) / 2.9kg (with draft shield)

Operation temperature: -10°C/40°C

Accessories

- Below weighing
- RS-232 cable for PC
- RS-232 cable for printer
- Mini printer
- Label printer
- Remote display kit

Standard

PCS	SUM	PERCENT	UNIT	BATTERY	RS 232

Factory Option

UNDER

Model	Weighing Capacity [Max]g	Readability [d]g	Minimal load [Min]g	Weighing plate mm
SPP-1S-300	300	0.01	0.25	Φ120
SPP-1S-600	600	0.02	0.5	Φ120
SPP-1S-1500	1500	0.05	1	124x144
SPP-1S-3000	3000	0.1	2.5	124x144
SPP-1HS-300	300	0.005	0.25	Φ120
SPP-1HS-600	600	0.01	0.5	Φ120
SPP-1HS-1500	1500	0.02	1	124x144
SPP-1HS-3000	3000	0.05	2.5	124x144

SPP-2 Precision Balance

CE ⊕OIML M

Precision balance setting the new standard for accuracy and precision

Features ⟍

* Full View Angle Display

Full View Angle Displays, with good graphic resolution and brightness, allow the content of the display to be visible from any angle.

* Powerful Back Office Management Software

The management software can display the weight in real time, and can be used as a remote device to perform ZERO and TARE operation. It provide users to manage the PLU, user and customer information,ect. Transferring the weighing data from scales through the method of manual, automatic or time interval.

* Higher Cost Performance

We break the technical bottleneck in traditional analog load cell and offer the advantage of comprehensive linearity and temperature compensation, which provide users competitive performance at an economical price.

* Multiple Use For a Variety of Applications

SPP-2 series offering high accuracy and repeatability for applications in laboratory, industrial and education settings.

Easy Communication

Multiple connectivity options, RS-232 and USB device ports, Bluetooth and provide versatility and flexibility for a variety of applications.

Remote Display

Connecting the remote display with the balance via RS232 port for external use (Option).

HBM High Precision Load Cell

The balance is equipped with HBM high precision load cell, it is extremely accurate and durable, ensures that the balance provide a reliable results.

Back Office Management Software

PC software allows you to transfer data in real time ,compatible with microsoft windows.
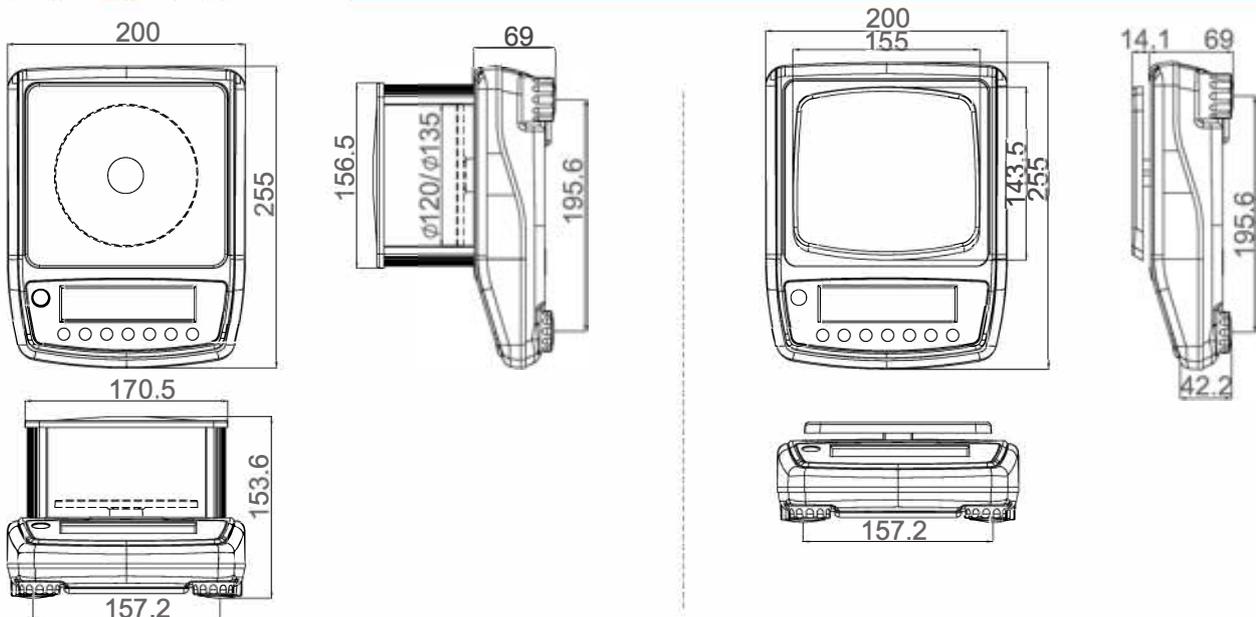
SPP-2 Precision Balance

CE (OIML) M

Item	Specification				
Capacity ★	300g	600g	1500g	3000g	6000g
Max. Divisions ★	30,000d	60,000d	150,000d	300,000d	600,000d
Verification Value ★	6000e				
Pan size ★	Φ120mm		Φ135mm		140x150mm
Wind shield	YES				NO
Display	16.5mm digit LCD display with white LED backlight				
Housing	Plastic housing , Stainless steel pan				
Keyboard	7 membrane keys				
Interface	DB9 RS232 port				
Factory option	USB2.0 port(Type B), Under hook				
Option	Bluetooth5.0 , Remote Display				
Battery life	Approx. 17 hours with backlight of continuous use				
	Approx. 35 hours without backlight of continuous use				
Power	Input AC 100-240v , output DC 12V/500mA 6V/1.3Ah rechargeable battery				
Dimension (W x D x H)	200 x 255x 154mm				200 x 255 x 84mm
Operating Conditions	Temperature : 10℃~35℃ , Humidity : < 85% R.H..				

Dimension(mm)

* Specifications are subject to change without notice

SPP-2 Precision Balance

CE · OIML · M

Capacity / Division / Pan Size

Model	Capacity (g)	Division	Readability [d]g	Verification Value [e]g	Pan Size	Net Weight	Gross Weight
SPP-2O-600g	600	6,000e	0.01	0.1	120mm	1.4kg	2kg
SPP-2O-1200g	1200	6,000e	0.02	0.2	120mm	1.4kg	2kg
SPP-2O-3000g	3000	6,000e	0.05	0.5	140x150mm	1.0kg	1.6kg
SPP-2O-6000g	6000	6,000e	0.1	1	140x150mm	1.0kg	1.6kg
SPP-2LO-300g	300	30,000d	0.01		120mm	1.4kg	2kg
SPP-2LS-600g	600	30,000d	0.02		120mm	1.4kg	2kg
SPP-2LS-1500g	1500	30,000d	0.05		135mm	1.5kg	2.1kg
SPP-2LS-3000g	3000	30,000d	0.1		135mm	1.5kg	2.1kg
SPP-2LS-6000g	6000	30,000d	0.2		140x150mm	1.0kg	1.6kg
SPP-2MS-300g	300	60,000d	0.005		120mm	1.4kg	2kg
SPP-2MS-600g	600	60,000d	0.01		120mm	1.4kg	2kg
SPP-2MS-1500g	1500	60,000d	0.02		135mm	1.5kg	2.1kg
SPP-2MS-3000g	3000	60,000d	0.05		135mm	1.5kg	2.1kg
SPP-2MS-6000g	6000	60,000d	0.1		140x150mm	1.0kg	1.6kg
SPP-2HS-300g	300	150,000d	0.002		120mm	1.4kg	2kg
SPP-2HS-600g	600	150,000d	0.005		120mm	1.4kg	2kg
SPP-2HS-1500g	1500	150,000d	0.01		135mm	1.5kg	2.1kg
SPP-2HS-3000g	3000	150,000d	0.02		135mm	1.5kg	2.1kg
SPP-2HS-6000g	6000	150,000d	0.05		140x150mm	1.0kg	1.6kg
SPP-2SS-300g	300	300,000d	0.001		120mm	1.4kg	2kg
SPP-2SS-3000g	3000	300,000d	0.01		135mm	1.5kg	2.1kg
SPP-2US-600g	600	600,000d	0.001		120mm	1.4kg	2kg
SPP-2US-6000g	6000	600,000d	0.01		140x150mm	1.0kg	1.6kg

* Specifications are subject to change without notice

SPP-3 Precision Balance

CE OIML M

Affordable Balance with High Accuracy

Features

∗ **High resolution, upgrade up to 1/600,000**

The SPP-3 series combines the latest weighing chip with new developed software offering a competitive performance weighing, internal resolution is up to 4 million counts, external resolution is up to 600,000 divisions.

∗ **Powerful Back Office Management Software**

The management software can display the weight in real time, and can be used as a remote device to perform ZERO and TARE operation. It provide users to manage the PLU, user and customer information,ect. Transferring the weighing data from scales through the method of manual, automatic or time interval.

∗ **Higher Cost Performance**

We break the technical bottleneck in traditional analog load cell and offer the advantage of comprehensive linearity and temperature compensation, which provide users competitive performance at an economical price.

∗ **Multiple Use For a Variety of Applications**

SPP-3 series offering high accuracy and repeatability for applications in laboratory, industrial and education settings.

HBM High Precision Load Cell

The balance is equipped with HBM high precision load cell, it is extremely accurate and durable, ensures that the balance provide a reliable results.

Easy Communication

Multiple connectivity options, RS-232 and USB device ports, Bluetooth and provide versatility and flexibility for a variety of applications.

Back Office Management Software

PC software allows you to transfer data in real time ,compatible with microsoft windows.
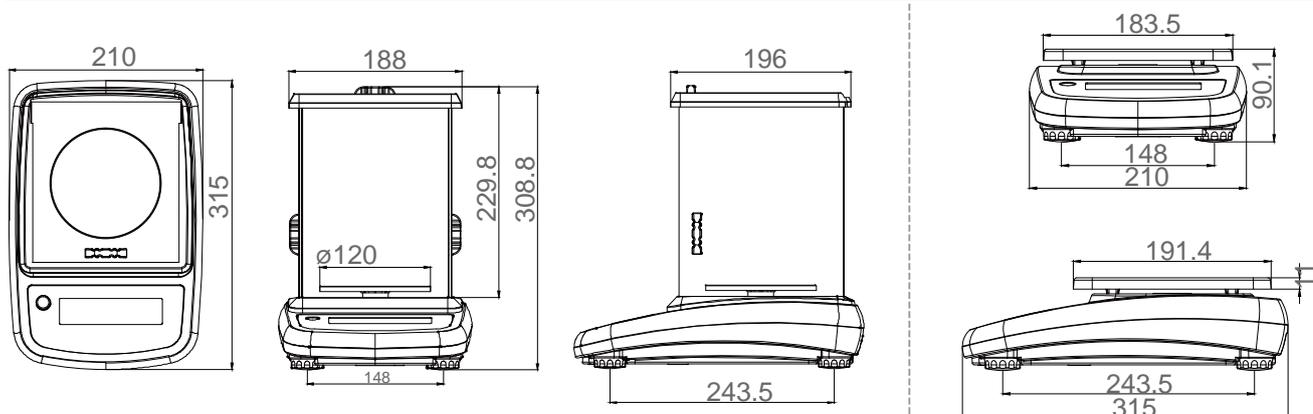
SPP-3 Precision Balance

CE OIML M

Technical Data

Item	Specification				
Capacity ★	300g	600g	1500g	3000g	6000g
Max. Divisions ★	60.000d		150.000d	300.000d	600.000d
Verification Value ★	6000e				
Pan size ★	Φ120mm				180x190mm
Wind shield	YES				NO
Display	16.5mm digit LCD display with white LED backlight				
Housing	Plastic housing , Stainless steel pan				
Keyboard	7 membrane keys				
Interface	DB9 RS232 port				
Factory option	USB2.0 port(Type B), Under hook				
Option	Bluetooth5.0 , Remote Display				
Battery life	Approx. 17 hours with backlight of continuous use				
	Approx. 35 hours without backlight of continuous use				
Power	Input AC 100-240v , output DC 12V/500mA 6V/1.3Ah rechargeable battery				
Dimension (W x D x H)	210 x 315 x 309mm				210 x 315 x 90mm
Operating Conditions	Temperature : 10℃~35℃ , Humidity : < 85% R.H..				

* Under hook is not available in models SPP-3xx-6000

Dimension(mm)

* Specifications are subject to change without notice

SPP-3 Precision Balance

CE OIML M

Capacity / Division / Pan Size

Model	Capacity (g)	Division	Readability [d]g	Verification Value [e]g	Pan Size	Net Weight	Gross Weight
SPP-3O-600g	600	6,000e	0.01	0.1	120mm	2.8kg	3.7kg
SPP-3O-1200g	1200	6,000e	0.02	0.2	120mm	2.8kg	3.7kg
SPP-3O-3000g	3000	6,000e	0.05	0.5	140x150mm	1.6kg	2.4kg
SPP-3O-6000g	6000	6,000e	0.1	1	180x190mm	1.8kg	2.6kg
SPP-3LS-300g	300	30,000d	0.01		120mm	2.8kg	3.7kg
SPP-3LS-600g	600	30,000d	0.02		120mm	2.8kg	3.7kg
SPP-3LS-1500g	1500	30,000d	0.05		120mm	2.8kg	3.7kg
SPP-3LS-3000g	3000	30,000d	0.1		120mm	2.8kg	3.7kg
SPP-3LS-6000g	6000	30,000d	0.2		180x190mm	1.8kg	2.6kg
SPP-3MS-300g	300	60,000d	0.005		120mm	2.8kg	3.7kg
SPP-3MS-600g	600	60,000d	0.01		120mm	2.8kg	3.7kg
SPP-3MS-1500g	1500	60,000d	0.02		120mm	2.8kg	3.7kg
SPP-3MS-3000g	3000	60,000d	0.05		120mm	2.8kg	3.7kg
SPP-3MS-6000g	6000	60,000d	0.1		180x190mm	1.8kg	2.6kg
SPP-3HS-300g	300	150,000d	0.002		120mm	2.8kg	3.7kg
SPP-3HS-600g	600	150,000d	0.005		120mm	2.8kg	3.7kg
SPP-3HS-1500g	1500	150,000d	0.01		120mm	2.8kg	3.7kg
SPP-3HS-3000g	3000	150,000d	0.02		120mm	2.8kg	3.7kg
SPP-3HS-6000g	6000	150,000d	0.05		180x190mm	1.8kg	2.6kg
SPP-3SS-300g	300	300,000d	0.001		120mm	2.8kg	3.7kg
SPP-3SS-3000g	3000	300,000d	0.01		120mm	2.8kg	3.7kg
SPP-3US-600g	600	600,000d	0.001		120mm	2.8kg	3.7kg
SPP-3US-6000g	6000	600,000d	0.01		180x190mm	1.8kg	2.6kg

* Specifications are subject to change without notice

SPP-4 Precision Balance

CE OIML M

High-Resolution Precision Balance with Automatic Internal Adjustment

Features

∗ High resolution,upgrade up to 1/600,000
The SPP-4 series combines the latest weighing chip with new developed software offering a competitive performance weighing ,internal resolution is up to 4 million divisions, external resolution is up to 600,000 divisions.

∗ Powerful Back Office Management Software
The management software can display the weight in real time, and can be used as a remote device to perform ZERO and TARE operation.It provide users to manage the PLU,user and customer information,ect. Transferring the weighing data from scales through the method of manual, automatic or time interval.

∗ Higher Cost Performance
We break the technical bottleneck in traditional analog load cell and offer the advantage of comprehensive linearity and temperature compensation, which provide users competitive performance at an economical price.

∗ Automatic Internal Adjustment
Automatic internal adjustment time-controlled every 2 hours. Guarantees high degree of accuracy and makes the balance independent of its location.

Easy Communication
Multiple connectivity options,RS-232 and USB device ports,Bluetooth, provide versatility and flexibility for a variety of applications.

Remote Display
Connecting the remote display with the balance via RS232 port for external use(Option).

Reliable weighing load cell
The load cell can provide a reliable results, and the built-in overload protection ensures that the balance maintains a long service life.

Back Office Management Software
PC software allows you to transfer data in real time ,compatible with microsoft windows.
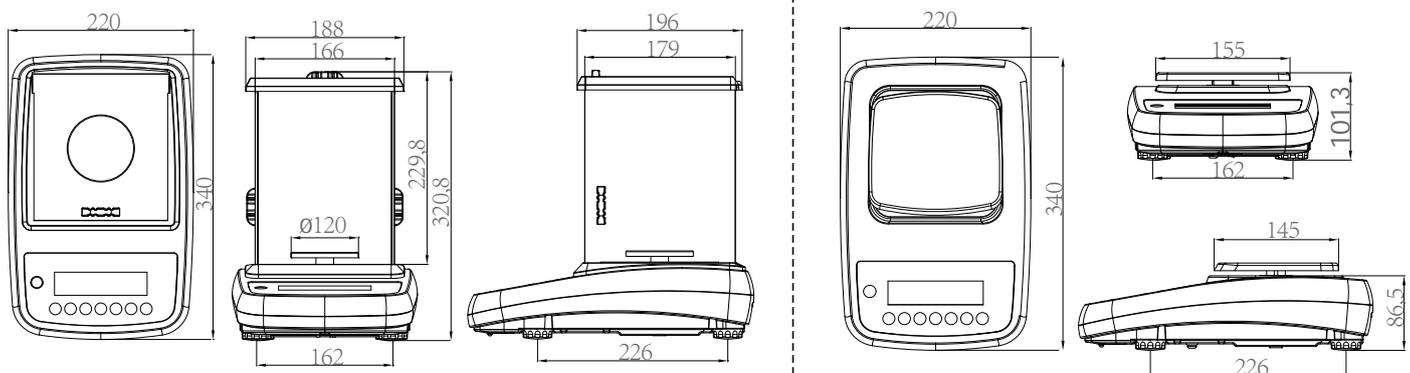
SPP-4 Precision Balance

CE OIML M

Technical Data

Item	Specification			
Capacity ★	300g	600g	3000g	6000g
Max. Divisions ★	60.000d	150.000d	300.000d	600.000d
Verification Value ★	6000e			
Pan size ★	Φ120mm			140x150mm
Wind shield	YES			NO
Display	16.5mm digit LCD display with white LED backlight			
Housing	Plastic housing , Stainless steel pan			
Keyboard	7 membrane keys			
Interface	DB9 RS232 port			
Factory option	USB2.0 port(Type B)			
Option	Bluetooth5.0 , Remote Display			
Battery life	Approx. 17 hours with backlight of continuous use			
	Approx. 29 hours without backlight of continuous use			
Power	Input AC 100-240V , output DC 12V/500mA 6V/1.3Ah rechargeable battery			
Dimension (W x D x H)	220 x 340 x 320mm			220 x 340 x 101mm
Operating Conditions	Temperature：10℃~35℃ , Humidity：＜85% R.H..			

Dimension(mm)

* Specifications are subject to change without notice

SPP-4 Precision Balance

CE ⊕OIML [M]

Capacity / Division / Pan Size

Model	Capacity (g)	Division	Readability [d]g	Verification Value[e]g	Pan Size	Net Weight	Gross Weight
SPP-4O-600g	600	6,000e	0.01	0.1	120mm	4.1kg	5.1kg
SPP-4O-1200g	1200	6,000e	0.02	0.2	120mm	4.1kg	5.1kg
SPP-4O-3000g	3000	6,000e	0.05	0.5	140x150mm	3.4kg	4.3kg
SPP-4O-6000g	6000	6,000e	0.1	1	140x150mm	3.4kg	4.3kg
SPP-4LS-300g	300	30,000d	0.01		120mm	4.1kg	5.1kg
SPP-4LS-600g	600	30,000d	0.02		120mm	4.1kg	5.1kg
SPP-4LS-3000g	3000	30,000d	0.1		120mm	4.7kg	5.7kg
SPP-4LS-6000g	6000	30,000d	0.2		140x150mm	3.4kg	4.3kg
SPP-4MS-300g	300	60,000d	0.005		120mm	4.1kg	5.1kg
SPP-4MS-600g	600	60,000d	0.01		120mm	4.1kg	5.1kg
SPP-4MS-3000g	3000	60,000d	0.05		120mm	4.7kg	5.7kg
SPP-4MS-6000g	6000	60,000d	0.1		140x150mm	3.4kg	4.3kg
SPP-4HS-300g	300	150,000d	0.002		120mm	4.1kg	5.1kg
SPP-4HS-600g	600	150,000d	0.005		120mm	4.1kg	5.1kg
SPP-4HS-3000g	3000	150,000d	0.02		120mm	4.7kg	5.7kg
SPP-4HS-6000g	6000	150,000d	0.05		140x150mm	3.4kg	4.3kg
SPP-4SS-300g	300	300,000d	0.001		120mm	4.1kg	5.1kg
SPP-4SS-3000g	3000	300,000d	0.01		120mm	4.7kg	5.7kg
SPP-4US-600g	600	600,000d	0.001		120mm	4.1kg	5.1kg
SPP-4US-6000g	6000	600,000d	0.01		140x150mm	3.4kg	4.3kg

* Specifications are subject to change without notice

SPP-5 Precision Balance

CE

Multifunctional Industrial Scale with High Capacity

Features

* **High Resolution,Upgrade up to 1/300,000**

The SPP-5 series combines the latest weighing chip with new developed software offering a competitive performance weighing, internal resolution is up to 4 million divisions, external resolution is up to 300,000 divisions.

* **Higher Cost Performance**

We break the technical bottleneck in traditional analog load cell and offer the advantage of comprehensive linearity and temperature compensation, which provide users competitive performance at an economical price .

* **Compact Design,Easy to Operate**

Durable construction, large weighing surfaces with stainless steel pan,that is easy to clean, the balance is equipped with an easy-to-read, white bright backlight display, which make it incredibly easy to operate .

* **Multifunctional Use For a Variety of Applications**

SPP-5 series offering high accuracy and repeatability, it is equipped with basic weighing, check weighing,accumulation, parts counting and percentage weighing for applications in production, industrial and warehouse settings.

HBM High Precision Load Cell

The balance is equipped with HBM high precision load cell,it is extremely accurate and durable,ensures that the balance provide a reliable results.

Easy Communication

The balance can also be connected printers or PC via its standard RS-232 port for data transfer,making it ideal for routine weighing applications.

Back Office Management Software

PC software allows you to transfer data in real time, compatible with Microsoft Windows.
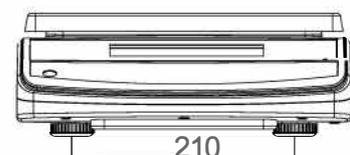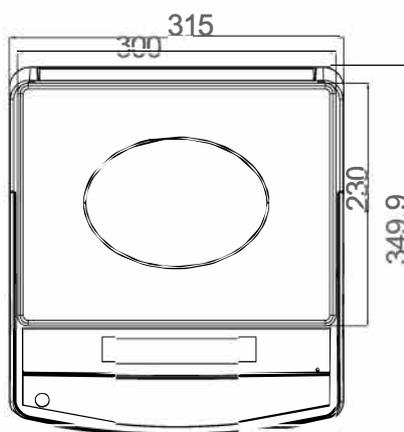
SPP-5 Precision Balance

CE

Item	Specification
Model	SPP-5SS-30000
Capacities	30 kg
Readabilities	0.1 g
Max. Divisions	300,000d
Pan Size	230 x 300mm
Power Supply	Input :100~240VAC 50~60Hz, Output: DC 12V 500mA
Battery	6V 4Ah lead acid rechargeable battery
Display	16.5mm digit LCD display with white LED backlight
Interface	RS232
Housing	ABS plastic housing, Stainless steel pan
Keyboard	7 membrane keys
Units	g/g(hi resolution)/ct/lb/oz/d/gn/ozt/dwt/mom/tl.t/tl.h/tlj/t/bt/n
Applications	Basic weighing, Parts counting, Percent weighing, Accumulation
Option	Bluetooth 5.0 , Under hook
Net Weight	4.2 kg
Gross Weight	5.1 kg
Volume	0.033m³
Dimension (W x D x H)	315 x 350 x 120mm
Packaging (W x D x H)	445 x 365 x 205mm±3mm
Operating Conditions	Temperature : 5℃~35℃, Humidity : 5%~85% R.H.

Dimension(mm)

* Specifications are subject to change without notice

General Specifications

- Display — 7*17mm digits LCD display, with white LED backlight
- Capacities — 220g
- Pan size — Φ90mm
- Keyboard — 6 keys (Membrane keyboard)
- Housing — ABS plastic
- Max. Divisions — **2,200,000d**
- Operating Temp. — +10℃~+30℃
- Power — Input :AC 100~240V, 50~60Hz; Output:DC 12V 2000mA
- Packing — Master carton packing, dimension 0.065m^3

- Standard stainless steel pan
- Electromagnetic force loadcell
- Die-cast aluminum bottom cover
- Applications:1.Basic weighing 2. Counting 3. Percentage weighing
            4.Weighing units conversion
- Standard RS-232 interface can connect to computer and printer

SPP-6US Magnetic Precision Balance

Model Name	Capacity	Readability	Division	Pan Size	Approx. weight
SPP-6US-220	220g	0.0001g	2,200,000d	Φ90mm	3.7kg

Options

TPuP Printer	OS-2130D Printer	RP58E Printer	RP80VI Printer

Print Formats

Receipt Format

```
G:          93.8162g

G:          93.8162g
U.W:        4.9376g/pcs
PCS:            19.pcs

G:          93.8162g
PCT:        134.02%
```

Label Format

```
2019/03/25    09:00
G:          93.8162g
```

```
2019/03/25    09:05
G:          93.8162g
U.W:        4.9376g/pcs
PCS:            19.pcs
```

```
2019/03/25    09:10
G:          93.8162g

PCT:        134.02%
```

Dimensions(mm)

120
220
136
330
254 56
310

330
Φ90
230

310
230
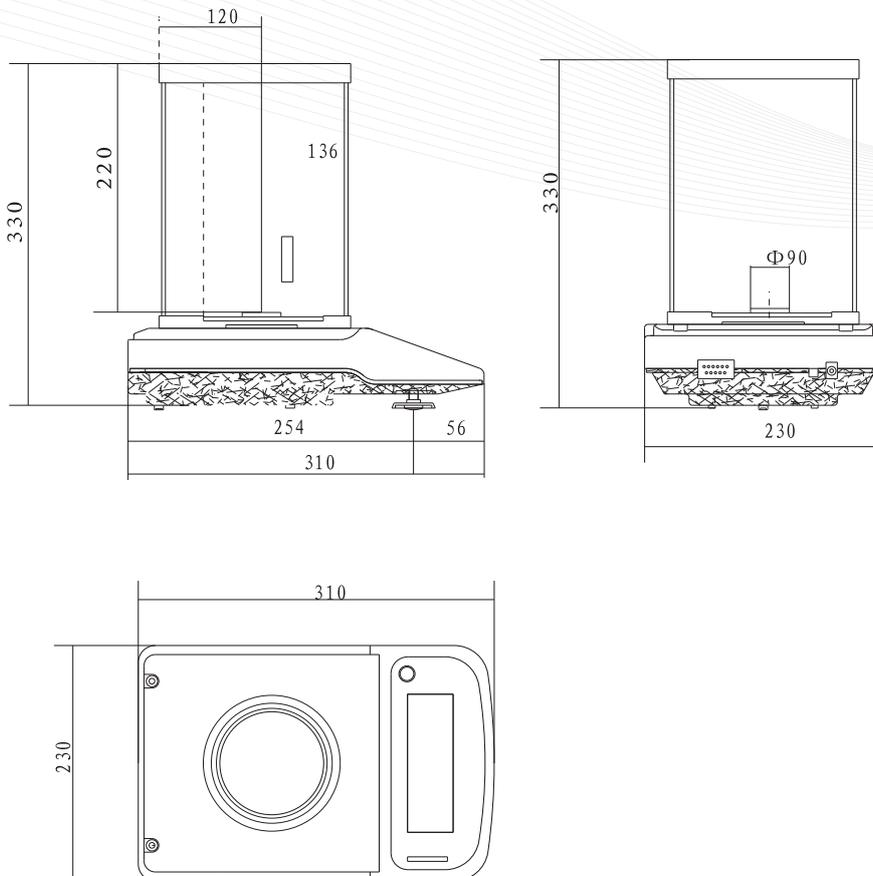
SP-scale

MEDICAL SCALES

SPM-BS Baby Scale

CE OIML M MDD
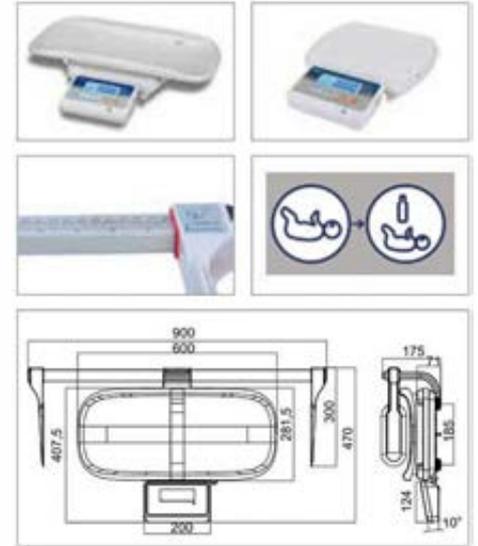
Features

Approved as a medical device according to 93/42/EEC

Popular in pediatrics, because it has a large weighing pan, which is ergonomically rounded and therefore ideally suited for weighing neonates

Robust ABS plastic, for easy and hygienic cleaning Secure and non-slip positioning with rubber feet Function include: zero, tare, drinking, hold

Special function for neonatology centers: Difference function for calculating the weight gain before and after feeding

Hold function: when patients do not lie completely still, a stable weight is calculated using an average weight and this is then "frozen". weight and this is then "frozen". This means that you have sufficient time to attend to the young patient first and then take the weight reading in peace

Can select with height measurement or without height measurement models,

Removable baby tray, when the baby grew up, can take stand on weighing scales

Technical Data

Display: LCD display, digit height 25 mm, with white color LED backlight
Baby pan: 600×280 mm
Dimensions: 600×400×110 mm
Power: AC adapter
(100~240VAC/12V500mADC),
rechargeable battery (Ni-MH 1.2V 2000mAhx6, size AA), operating time up to 40h without backlight, charging time approx. 12 h
Net weight: 5.5 kg

Accessories

■ Foot/head rest to fix to the lying surface for even more safety when weighing small children, scope of delivery: 1 head rest and 1 foot rest,
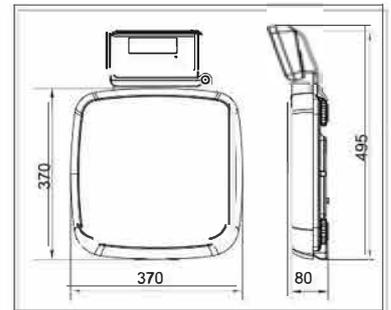
Standard

LOCK BATTERY

Factory Option

INT-VER RS 232

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	With height measure
SPM-BS1-15kg	6 | 15	2 | 5	2 | 5	V
SPM-BS1-20kg	20	10	10	V
SPM-BS2-15kg	6 | 15	2 | 5	2 | 5	-
SPM-BS2-20kg	20	10	10	-

SPM-PS Personal Scale

CE ⊕OIML |M| △MDD

Features

Approved as a medical device according to 93/42/EEC

The best seller for doctor's surgeries, chemists and hospitals: easy to use with no time wasted – simply tap on it, stand on it, read the weight

Robust design for daily use in a professional environment

Ergonomically optimized design

For easy and hygienic cleaning

Secure and non-slip positioning with height-adjustable rubber feet

Large platform with non-slip and wear-resistant surface made of plastic, to provide a secure footing for patients

Auto power off function

Technical Data

Display: Large LCD display, digits height 25 mm, with white color LED backlight

Pan size: 365×360 mm

Dimensions: 495×360×80 mm

Net weight: 10 kg

Power: AC adapter (100~240VAC/12V500mADC), rechargeable battery (Ni-MH 1.2V 2000mAhx6, size AA), operating time up to 40h without backlight, charging time approx. 12 h
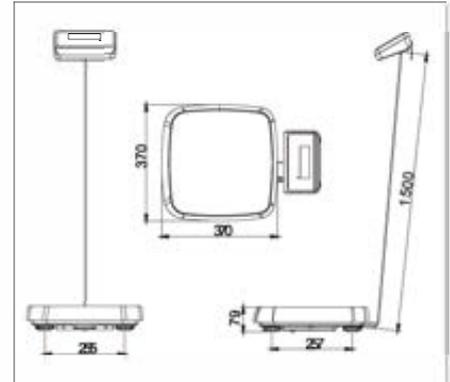
Operation temperature: -10ºC/40ºC

Standard

🔒 LOCK 🔋 BATTERY

Factory Option

INT-VER

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g
SPM-PS2-250kg	250	100	100

SPM-PS3 Personal Scale

CE (OIML) [M]

Features

Mother and child weighing functions
BMI with bar graph
4 adjustable feet
Rubber mat on the surface of the platform
Wall mount for the weight indicator
Optional initial-verification
Optional RS-232 to connect to computer or printer

Technical Data

Display: 25mm digit LCD display, with LED backlight
Capacity: 250kg
Platform size: 370x370mm
Keyboard: 6 keys (Membrane keyboard)
Housing: ABS plastic
Max. Divisions: 2,500e
Operating Temp.: -10℃~+40℃
Power: 2000mAh Ni-MH battery package (size AA), external AC power adapter

Accessories

Standard

| LOCK | BATTERY | BMI |

Factory Option

| INT-VER | RS 232 |

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g
SPM-PS3-250k	250kg	100g	100g

www.sp-asia.com

SPM-PS Personal Scale

CE · OIML · M · MDD

Features

Approved as a medical device according to 93/42/EEC

Optional second display on the back of the balance, which makes it easy for both the patient and the doctor or nursing staff to read the weight

SPM-PS1 model has an elegant height measuring stick integrated into the column, which can be pulled out for use and which has a sturdy plastic head rest and a measuring range from 88–205 cm

The ergonomically optimized shape and robust design mean that this range is ideal for daily use in a professional environment

Secure and non-slip positioning with height-adjustable rubber feet.

Large platform with non-slip and wear-resistant surface made of plastic, to provide a secure footing for patients

Function include: BMI, mother & child, hold

Hold function: When patients do not stand completely still, a stable weight is calculated using an average weight and this is then "frozen". This means that you have sufficient time to attend to the patient first and then take the weight reading in peace

Mother and child function: the mother's weight will be taken and then the scale will be reset to zero at the push of a button. Then the mother and baby can be weighed together. The weight of the child will now be shown on the display. This is particularly good for infants, as this way they can be cradled, safe and sound, in the arms of their mother while being weighed

BMI function to determine under weight / normal weight / surplus weight

Easy to transport thanks to the two integrated transport wheels

With height measurement model or without measurement model selectable, indicator connect to platform by screw cable or pole selectable

Technical Data

Display: Large LCD display, digits height 25 mm, with white color LED backlight

Power: AC adapter (100~240VAC/12V500mADC), rechargeable battery (Ni-MH 1.2V 2000mAhx6, size AA), operating time up to 40h without backlight, charging time approx. 12 h

Pan size: 365×360 mm

Dimensions
365×570×2134 mm (with extracted height rod),
365×570×1030 mm (without height rod)

Net weight: approx. 12 kg

Accessories

- Rear display
- RS-232 interface can send data to PC or printer
- RS-232 cable for PC
- RS-232 cable for printer
- Mini printer
- Label printer

Standard

LOCK · BATTERY · BMI

Factory Option

INT-VER · RS 232

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	With height measure	Indicator connect to scale
SPM-PS1-250kg	250	100	100	V	by pole
SPM-PS3-250kg	250	100	100	-	Without pole
SPM-PS4-250kg	250	100	100	-	by pole

SPM250 Medical Chair Scale

CE OIML M MDD

Features

Approved as a medical device according to 93/42/EEC

This chair scale is the ideal measuring instrument for retirement homes, rehabilitation centers and clinics with lots of patients, and can handle weighing overweight persons weighing up to 250 kg

Mobile version with steerable rollers and particularly convenient locking brakes

With its four wheels, this chair scale provides maximum mobility in bringing the scale to the patients. **This ensures more efficient** use of time for the clinic staff and greater safety for the patients, who can be weighed in their familiar environment

The rollers, with their large diameter, make it easier to get over door thresholds, edges and across the gaps into elevators

For fragile patients, the comfortable, ergonomically optimized seat offers secure support during weighing

Because of the clearly contrasting black color of the seating surface, footrests and armrests ideally suited for use with dementia patients

Two foldable armrests and footrests make transfers into the chair easier. Ideal for overweight patients or barrier-free use, e.g. for transfers from a bed to the scale

Function include hold, BMI

Hold function: When patients do not sit completely still, a stable weight is calculated using an average weight and this is then "frozen". This means that you have sufficient time to attend to the patient first and then take the weight reading in peace

BMI function to determine underweight/normal weight/surplus weight

Technical Data

Display: LCD display, digits height 25 mm, with white color LED backlight
Dimensions：625×990×985 mm
Power: AC adapter (100~240VAC/12V500mADC), rechargeable battery (Ni-MH 1.2V 2000mAhx6, size AA), operating time up to 40h without backlight, charging time approx. 12 h
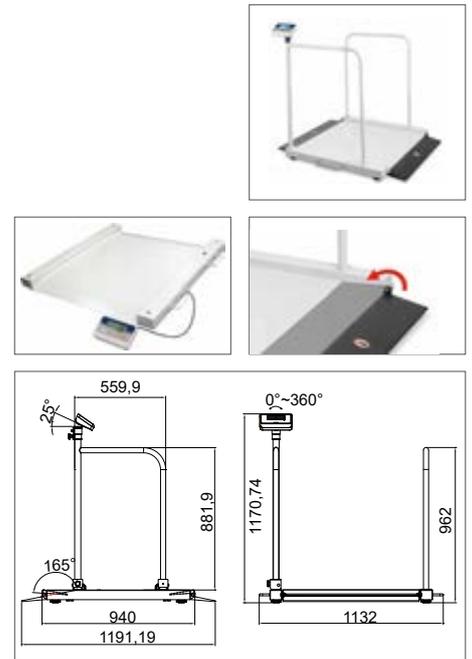**Net weight:** 24 kg

Standard

LOCK BATTERY BMI

Factory Option

INT-VER RS 232

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g
SPM250	250	100	100

SPM360 Wheelchair Platform Scale

Features

Approved as a medical device according to 93/42/EEC

Especially suitable for weighing patients in wheelchairs, because the low-profile platform can be approached from either side

The large steel weighing plate also makes it ideal for weighing obese patients

Both access ramps and the handrail can be folded up quickly and easily, e.g. for transportation

Function include hold, BMI

Hold function: When patients do not stand or sit completely still, a stable weight is calculated using an average weight and this is then "frozen". This means that you have sufficient time to attend to the patient first and then take the weight reading in peace

BMI function to determine underweight/normal weight/surplus weight

Technical Data

Display:
LCD display, digit height 25 mm, with white color LED backlight
Dimensions: 1180×1000×1130 mm (without handrail)
Power: AC adapter (100~240VAC/12V500mADC), rechargeable battery (Ni-MH 1.2V 200mAhx6, size AA), operating time up to 40h without backlight, charging time approx. 12 h
Gross weight: 125 kg
Net weight: 76 kg
Operation temperature: −10℃~40℃

Accessories

■ 1 handrail, for mounting display device. The handrail offers patients that extra level of safety when driving or stepping onto the weighing platform

■ 2 handrails, for self-assembly on wheelchair platform scale, with this optional scale can be converted into a multi-function scale. This allows for the patients to be weighed while standing on the scale, with support from the handrail or weighed in a wheelchair Handrail set with folding patient seat,

■ Factory Option, you can convert the wheelchair platform scale into a multi-functional scale. In this way, patients can be weighed standing up, or in seated position. If you fold the patient seat up, then a wheelchair can be pushed or driven onto the scale.
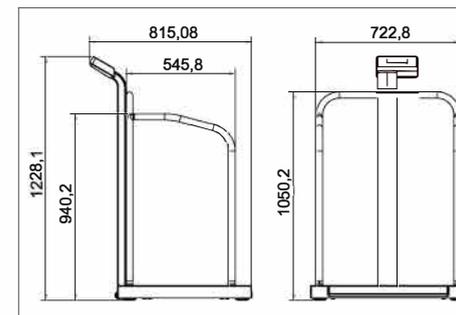
Standard

| LOCK | BATTERY | BMI |

Factory/Option

| INT-VER | RS 232 |

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g
SPM360	360	100	100

SPM400 Handrail Scale

CE OIML M MDD

31mm

815,08
545,8
722,8
1228,1
940,2
1050,2

Features

Approved as a medical device according to 93/42/EEC

Ideal for care homes, centers for geriatric medicine, internal medicine and many more

The sturdy support structure helps fragile and weak patients to stand safely and, at the same time, allows for a precise determination of the patients' weight

Large surface, for the patient to have the most secure footing, hygienic and easy to clean

Easy to read, big LCD display, with white color LED backlight

Particularly easy access to the platform through its low height of just 30 mm

Function include Hold, BMI

Hold function: When patients do not stand or sit completely still, a stable weight is calculated using an average weight and this is then "frozen". This means that you have sufficient time to attend to the patient first and then take the weight reading in peace

BMI function to determine underweight / normal weight / surplus weigh

Optional rear display, which makes it easy for both the patient and the doctor or nursing staff to read the weight

Technical Data

Display: LCD display, digit height 25 mm, with white color LED backlight

Platform size: 600×600 mm

Dimensions：780×680×1100 mm

Power: AC adapter (100~240VAC/12V500mADC), rechargeable battery (Ni-MH 1.2V 200mAhx6, size AA), operating time up to 40h without backlight, charging time approx. 12 h

Net weight: 40 kg

Operation temperature: -10ºC/40ºC

Accessories

- Rear display
- Height measurement

Standard

LOCK BATTERY BMI

Factory Option

INT-VER RS 232

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g
SPM400	400	100	100

CRANE & HANGING SCALES

SPK65-1 Crane Scales

CE · GS · OIML · M

SPK65-1-LCD

SPK65-1-LED

Features

Meet the requirements of the standard EN 13155 (Non-fixed load lifting attachments / Breakage resistance) and EN 61010-1(Electrical safety)

Because of its stable construction and robust design, it is ideal for continuous use in industrial environment

High mobility: rechargeable battery operation, compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department.)

Easy to read: big LCD display, digits high 30mm, with white color LED backlight(LCD) ; big LED display, digits high 1inch(LED)

Function include zero, tare, accumulation, hold (EC type approved model don't have hold and accumulation function)

Hold function: When the weighing value remains unchanged the weight indicated on the display is automatically "frozen" until the Hold key is pressed (EC type approved model don't have this function)

Safety: Solid shackles, non-revolving, Hook with safety catch, revolving, aluminum die cast housing IP65 waterproof, outdoor use with peace of mind

Technical Data

Display: LCD display, digit height 30 mm, bright backlight for easy reading of weighing results, even in poor lighting conditions(LCD); LED display, digit height 1inch(LED)

Power: Scale: Rechargeable Li battery pack internal, operating time up to 70 h, battery pack accessible from the outside, which means it is easy to replace Remote controller: dry battery cell, 12 V 23A

Operation temperature: -10 °C/40 °C

Accessories

■ Remote controller, operation distance up to 30 m. All functions can be selected (excl. ON/OFF)

■ Bluetooth 5.0 can send data to computer , Wireless transmission support up to 30 meters in an obstacle-free environment

■ WIFI (2.4GHz)

Standard

UNIT · SUM · LOCK · IP · BATTERY

Factory

BT · WLAN

Model	Weighing Capacity [Max]kg	Readability [d]g	Net weight approx. kg
SPK65-1SS-600k	600	100	9
SPK65-1SS-1500k	1500	200	9
SPK65-1SS-3000k	3000	500	10
SPK65-1SS-6000k	6000	1000	15
SPK65-1SS-15000k	15000	2000	20
SPK65-1SO-600k	600	200	9
SPK65-1SO-1500k	1500	500	9
SPK65-1SO-3000k	3000	1000	10
SPK65-1SO-6000k	6000	2000	15
SPK65-1SO-12000k	12000	5000	20

SPK-2 Crane Scales

CE
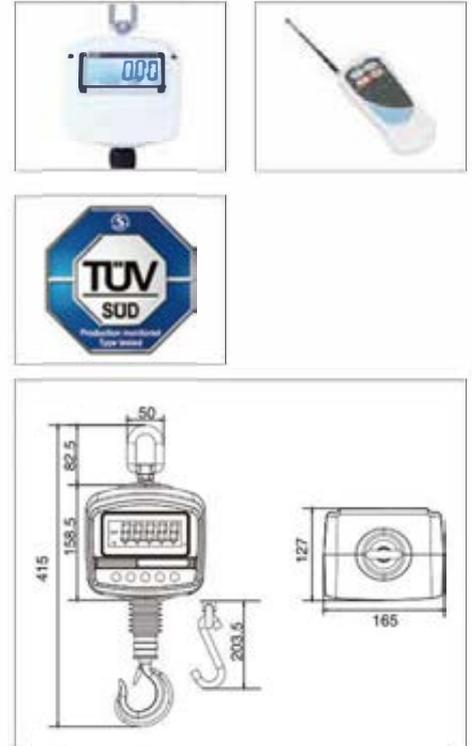
Features

Meets the requirements of the standard EN 13155 (Non-fixed load lifting attachments/Breakage resistance) and EN 61010-1(Electrical safety)
Safety: Hook with safety catch, revolving, Shackle and safety catch made of nickel-plated steel
High mobility: rechargeable battery operation, compact, light weight construction, it is suitable for the use in several locations (production, ware house, dispatch department etc.)
Easy to read, big LCD display, digits high 25mm, with white color LED backlight
Function include: zero, tare, hold, change weighing

unit
Hold function: When the weighing value remains unchanged the weight indicated on the display is automatically "frozen" until the Hold key is pressed

Technical Data

Display: digit height 25 mm, bright backlight for easy reading of weighing results, even in poor lighting conditions
Dimensions: 165×127×415 mm
Power: scale: AC adapter (100~240VAC/12V500mADC), rechargeable battery

(lead acid battery 6V/1.2Ah, operating time up to 30 h without backlight, charging time approx. 14 h)
Remote controller: dry battery 12V size 23A
Operation temperature: -10 °C/40 °C

Accessories

■ Remote controller, operation distance up to 30 m. All functions can be selected (excl. ON/OFF)
■ Bluetooth interface, send data to computer or printer
■ Rear display

Standard   Factory Option

Model	Weighing Capacity [Max]kg	Readability [d]g	Net weight approx. kg
SPK-2SS-60k	60	10	2.0
SPK-2SS-150k	150	20	2.2
SPK-2SS-300k	300	50	2.2
SPK-2SS-600k	600	100	2.4

SPK-3 Hanging Scales

General Specifications

- Display   16.5mm LCD display
- Capacities   40kg~200kg
- Keyboard   3 keys（Mechanical switch)
- Housing   ABS plastic
- Max. Divisions   2,000d
- ADC   Sigma delta
- ADC update $\leqslant 1/10$ second
- Operating Temp.   0℃~+40℃
- Power   Dry battery (size AA 1.5V x 3)
- Gross Weight   0.65kg (including batteries)

CAP. 200kg
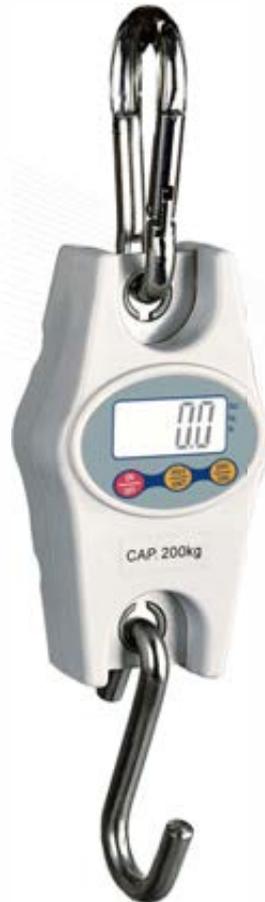
- Dry cell battery powered
- Selectable weighing unit (kg/lb)
- Applications: 1. Tare 2. Weighing unit conversion 3. Hold
- Safety overload: up to 150%

SPK-3 Hanging Scales

Model Name	Capacity	Readability	Division	Approx. weight	Approval
SPK-3SS-40K	40kg	20g	2,000d	0.65kg	CE,SGS
SPK-3SS-100K	100kg	50g	2,000d	0.65kg	CE,SGS
SPK-3SS-200K	200kg	100g	2,000d	0.65kg	CE,SGS

Dimensions(mm)
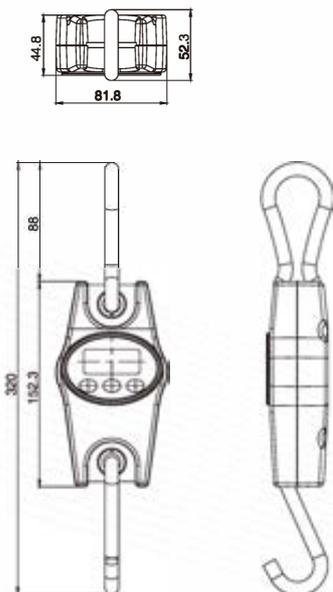
General Specifications

- Display   1.2" LED display or 25mm LCD display with LED backlight
- Capacities   600kg~10t
- Keyboard   4 keys (Mechanical switch)
- Housing   Die-cast aluminum
- Max. Divisions   6,000d
- ADC   Sigma delta
- ADC update   ≤1/10 second
- Operating Temp.   -10℃~+40℃
- Power   AC adapter (12V/500mA), Internal rechargeable battery (lead acid 6V/10Ah)

- Programmable to meet customer needs
- Applications: 1. Tare 2. Hold 3. Weighing unit conversion
- SGS 300% safety approval
- Battery provides up to 60 hours of continuous use
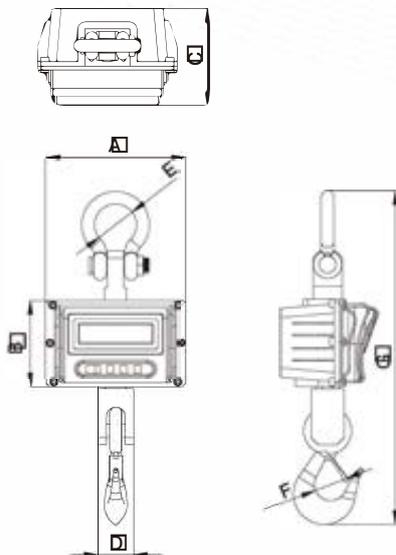- Optional hand held remote control device

Model Name	Capacity	Readability	Division	Approx. weight	Approval
SPK-4SS-600kg	600kg	0.1kg	6,000d	14kg	CE, GS
SPK-4SS-1t	1t	0.2kg	5,000d	14kg	CE, GS
SPK-4SS-2t	2t	0.5kg	4,000d	16kg	CE, GS
SPK-4SS-3t	3t	0.5kg	6,000d	18kg	CE, GS
SPK-4SS-5t	5t	1kg	5,000d	22.5kg	CE, GS
SPK-4SS-10t	10t	2kg	5,000d	35kg	CE, GS

Options

Remote control

Dimensions(mm)

|	A	B	C	D	E	F	G
1t	270	173	192	50	68	51	582
2t	270	173	192	50	68	51	582
3t	270	173	192	60	74	63.5	680
5t	297	185	233	75	74	63.5	715
10t	297	185	233	93	92	76.2	815

CSL-HTO Hanging Label Printing Scale

Features

Ergonomic and Hanging Design

- Ergonomic design keeps the display eye level.
- Hanging design save space and keep food moisture away.
- 10-inch dual-screen display with the resolution of 1280*800px.
- Durable resistive touchscreens and efficient cassette system printer.

Rear display

Front display
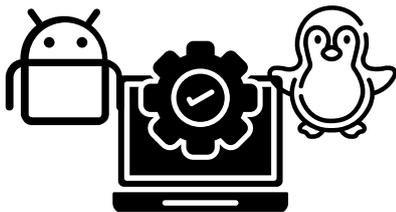
Dual OS Support and Comprehensive Function

- Support both Android and Linux built-in system.
- Boast advanced functions: pre-pack mode, self-service mode, report management, etc.

Powerful and Convenient Management

- Support with back-office software and online management platform. Check the connection
- status of the scale and upload/download data in real time. Streamline operations with one-
- click data deployment and centralized control.
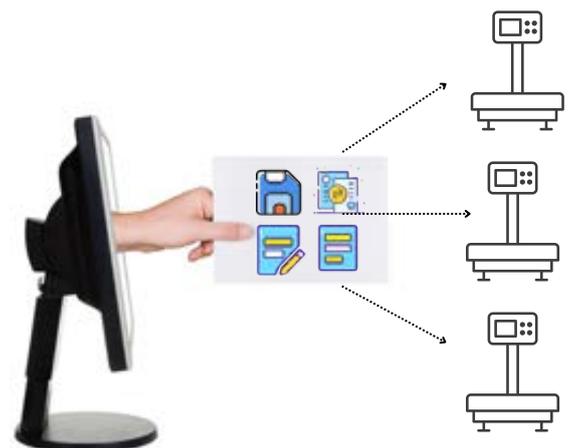
CSL-HTO Label Printing Scale

Specification

Model	CSL-HTO
Capacity	6kg/15kg
Readability	2g/5g
Divisions	2x3000e
Housing	ABS plastic indicator with #304 Stainless Steel Pan
Tray bracket	Can be rotated 360°
Operator display	10.1 inch TFT color touch display, Resolution: 1280x800px
Customer display	10.1 inch, Resolution: 1280x800px
Pan size	450x350x48 mm, SST
Touch control mode	Resistive touch screen
Interface	RS232x1; USB2.0x2; RJ45x1
Temperature	Working: -10°C~40°C, Storage: -20°C~60°C
Humidity	5%~85% R.H.
Power	AC: 100V~240V, 50~60Hz
Weight	Net: 11.5 kg
Certification	OIML, CE-EMC
Printer	Printing Speed: Max 125mm/s
	Paper width: Max 60±0.5mm
	Label Print Area: 56x110mm (Max Width x Length)
	Resolution: 8dots/mm

Dimension(mm)
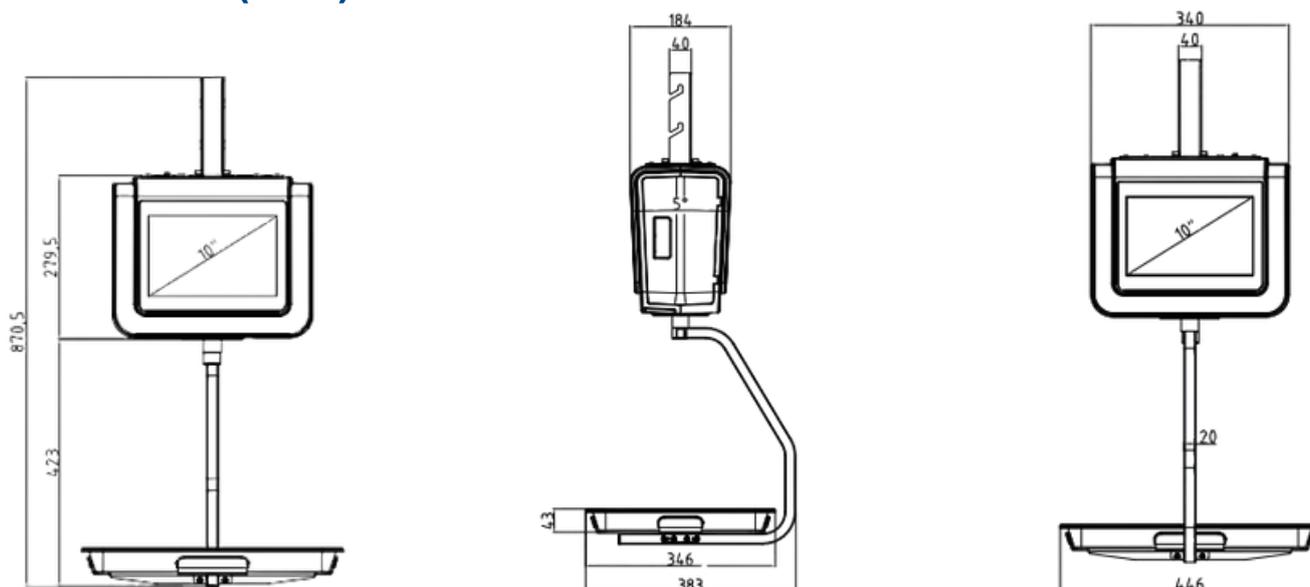
CSL-HSO Smart Label Printing Hanging Scale

OIML CE

Affordable high quality label printing hanging scale for supermarket fresh sea foods & meats counters

Features

∗ High Quality & Performance

Rugged structure is reliable and suitable for all environments. The internal high resolution ensures precision and stability performance, and comes with overload protection function.

∗ Multi Language Support

Support major languages for Display and Printing, English, French, Spanish, Arabic, Russian, Portuguese, German, Italian, Dutch, Korean, Greek, Swedish, Japanese, Thai, Hebrew and Chinese.

∗ Easy to Use, Large Capacity

Up to 9999 products and 80 direct PLUs can be stored, product names can search easily by using the PLU numbers or scanner.

∗ Back-office Software

Back-office software can easily connect to the scales and use for PLU updates, customizing print formats, preset keys configuration, generating reports.

Dual-screen display

4.3" color operator display, resolution: 480x272px, 7" color advertising customer display, resolution:1024x600px.

Ergonomic Design

Ergonomic design keeps the display eye level, the hanging platter for easy access, and platter keeps food moisture away. additionally entire structure ensuring the premium appearance.

Cassette System

Easy to use, cassette system makes easier to load or change the media.

CSL-HSO Smart Label Printing Hanging Scale

Technical Data

Model	CSL-HS0-15kg
Capacity	6kg / 15kg
Readability	2g / 5g
Divisions	2x3000e
Housing	ABS plastic indicator with stainless steel pan
Tray bracket	Can be rotated 360°
Operator display	4.3 inch color display, resolution: 480x272px
Customer display	7 inch color display, resolution: 1024x600px
Keys	68 Tackle type membrane keys （16 functional keys, 12 Numeric Keys, 40*2 direct PLU keys
Interface	USBx1, RS232x1, RJ45x1
LAN	Support 10M/100M
Printer	Printing speed: Max 125mm/s, Print resolution: 203dpi
	Paper width: Max 60±0.5mm
	Print length: Max 110mm, Print width: Max 56mm
	Printer head life: 50km
Operation environment	Operation temperature: -10℃~40℃，Storage temperature: -20℃~60℃，Humidity: 5%~85% R.H.
Approval	CE-EMC, OIML
Option	WIFI
Power	AC: 100V~240V, 50~60Hz
Dimensions	446x383x870.5mm
Pan size	450x350x48mm, SST
Weight	Net: 11.5kg, Gross: 12.6kg

Dimension(mm)
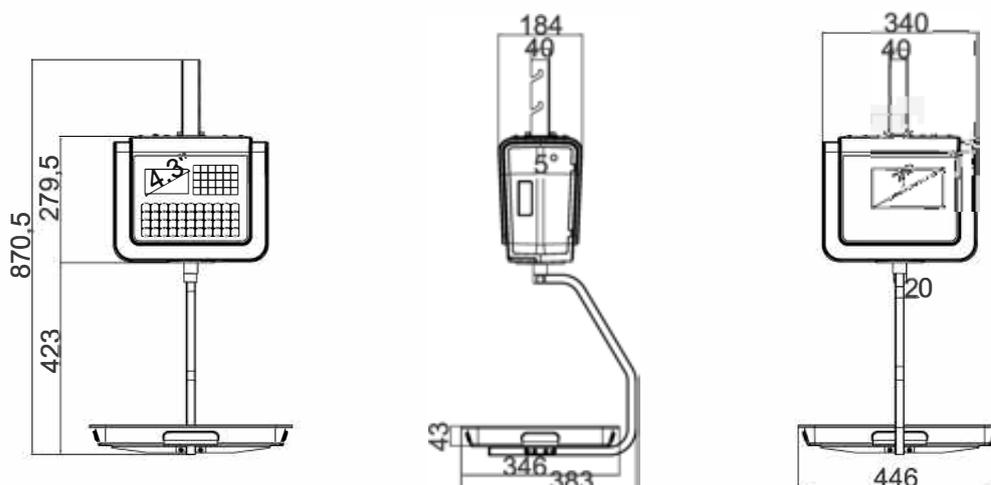
SP-scale

SP-Scale, Variable Height Rolling Scale, SP-VR-100

Stand Construction:

Clear Anodized 6063-T6 Aluminum

Scale Included:

SP-Scale QHW24-30R

Capacity:

30 kg

Ranger Readability:	
	0.1g (precision scale)
NTEP:	
	Class III
Ranger Certified Readability:	
	0.1g
Underhook Weighing:	
	Yes, for overhead weighing applications
Ranger Power:	
	AC Power (Included); Rechargeable Battery (Included)
Ranger Battery Life:	
	100 hours
Ranger Units of Measurement:	
	Gram; Kilogram; Pound; Ounce; Pound:Ounce
Overall Dimensions (W x D x H):	
	58.5 x 83 x 172 cm
Maximum Height (to top of scale):	
	233 cm.
Net Weight with Ranger:	
	30 kg
Maximum Sample Height:	
	213 cm
Minimum Sample Height:	
	139 cm
Base Operating Dimensions (W x D):	
	60 x 62 cm
Height of Base:	
	16 cm
Caster Style:	
	Swivel, total-lock
Caster Wheel Size:	
	8 cm
Upper Weighing Platform Size (W x D):	
	23 x 30 cm
Height Adjust Mechanism:	
	Linear bearing with force-assisted lifting mechanism and 2 safety brakes
Manufacturer:	
	SP-Scale; Made in Singapore

SP-Scale, Variable Height Rolling Scale, SP-VR-2100

Stand Construction:

Clear Anodized 6063-T6 Aluminum

Scale Included:

SP-Scale QHW24-30R (upper), SP-Scale RWS-60 (lower)

Capacity:

30 kg upper, 60kg lower scale

|	
Ranger Readability:	
	0.1g upper (precision scale), 10g / 20g lower
NTEP:	
	Class III
Ranger Certified Readability:	
	0.1g (upper); 10g / 20g OIML (lower)
Underhook Weighing:	
	Yes, for overhead weighing applications
Ranger Power:	
	AC Power (Included); Rechargeable Battery (Included)
Ranger Battery Life:	
	100 hours
Ranger Units of Measurement:	
	Gram; Kilogram; Pound; Ounce; Pound:Ounce
Overall Dimensions (W x D x H):	
	58.5 x 83 x 172 cm
Maximum Height (to top of scale):	
	233 cm.
Net Weight with Ranger:	
	30 kg upper, 60 kg lower
Maximum Sample Height:	
	213 cm
Minimum Sample Height:	
	139 cm
Base Operating Dimensions (W x D):	
	60 x 62 cm
Height of Base:	
	16 cm
Caster Style:	
	Swivel, total-lock
Caster Wheel Size:	
	8 cm
Upper Weighing Platform Size (W x D):	
	23 x 30 cm
Height Adjust Mechanism:	
	Linear bearing with force-assisted lifting mechanism and 2 safety brakes
Manufacturer:	
	SP-Scale; Made in Singapore

SP-scale

PLATFORM SCALES

WR(S) Platform Scale

NTEP · OIML · CE · M
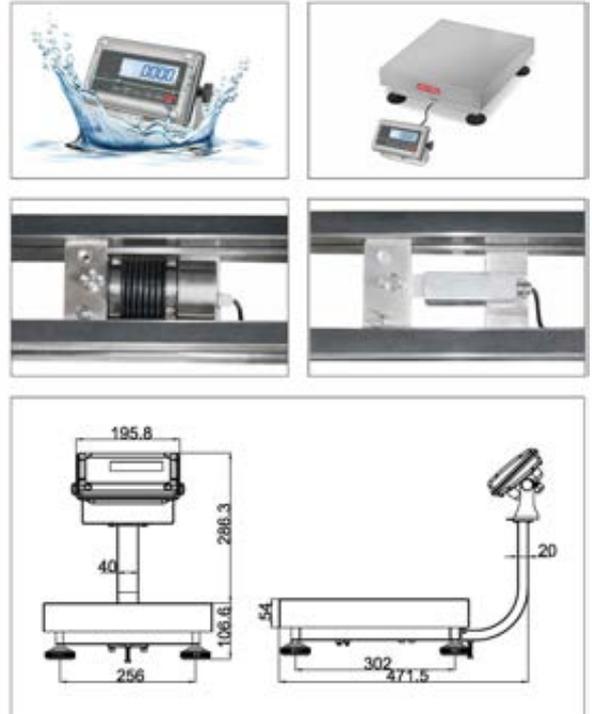
Features

Aluminum die cast, mild steel, Stainless steel structure selectable
Stainless steel weighing plate,
Aluminum load cell (WR), stainless steel load cell (WRS) selectable
Normal load cell, OIML load cell, NTEP load cell selectable
Level indicator and leveling feet for precise leveling of the scale

Different load cell connection selectable (air connector, 5/7/9 pin air connector)
Different platform sharp selectable (square or rectangle)
Different platform size selectable (platform can select 300x240mm (S1), 320x360mm (S2), 400x500mm (S3)) **Luxury model or economic model selectable**

Customize platform size, cable length and load cell connector
Optional pole bracket, pole
Optional status discharge kit and grounding connection
Optional load cell protection kit (only for aluminum load cell)

Standard

UNIT · SUM · TOL · ANIMAL · BATTERY

Factory Option

RS 232

Model	Weighing Capacity [Max] kg	Readability [d]g	Verification Value [e]g	Division	Approx.weight kg	Approval
WR(S)-S1-6K	6	1	-	6,000d	6.5	CE
WR(S)-S1-15K	15	2	-	6,000d	6.5	CE
WR(S)-S1-30K	30	5	-	6,000d	6.5	CE
WR(S)-S2-15K	15	2	-	6,000d	8.7	CE
WR(S)-S2-30K	30	5	-	6,000d	8.7	CE
WR(S)-S2-60K	60	10	-	6,000d	8.7	CE
WR(S)-O1-6K	6	2	2	3,000e	6.5	CE,OIML
WR(S)-O1-15K	15	5	5	3,000e	6.5	CE,OIML
WR(S)-O1-30K	30	10	10	3,000e	6.5	CE,OIML
WR(S)-O2-15K	15	5	5	3,000e	8.7	CE,OIML
WR(S)-O2-30K	30	10	10	3,000e	8.7	CE,OIML
WR(S)-O2-60K	60	20	20	3,000e	8.7	CE,OIML
WR(S)-D1-6K	3/6	1/2	1/2	2x3,000e	6.5	CE,OIML
WR(S)-D2-15K	6/15	2/5	2/5	2x3,000e	8.7	CE,OIML
WR(S)-D2-30K	15/30	5/10	5/10	2x3,000e	8.7	CE,OIML

WB(S) Waterproof Platform Scale

CE · NTEP · OIML · M

Features

Platform: weighing plate stainless steel, stainless steel base, silicone-coated aluminum load cell (WB; IP65) or stainless steel load cell (WBS; IP67)

Pole version or wall mount bracket version selectable, when with pole, display angle can be adjusted

Capacity from 30kg to 300kg, external resolution up to 1/6,000

Full function: unit change, accumulation, animal weighing, Gross/Net shift.

Technical Data

Display: LCD display, digit height 52 mm, with white color LED backlight.

Power: AC adapter (100~240VAC/12V500mA), rechargeable battery (lead acid 6V/4Ah), operation time 70 hours (without backlight)

Operation temperature: -10 °C/40 °C

Accessories

- RS-232 cable for PC
- RS-232 cable for printer
- Mini printer
- Label printer
- Bluetooth 5.0 data transfer to PC or tablets,
- Analogue output (4~20mA)
- 3 color light tower

Standard: UNIT · SUM · ANIMAL · TOL · IP · BATTERY

Factory Option: RS 232 · BT · ANALOG

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Platform material	Pan size(mm)	Pole height(mm)
WB(S)-S1-15K	15	2	-	SST	320x360	230
WB(S)-S1-30K	30	5	-	SST	320x360	230
WB(S)-S1-60K	60	10	-	SST	320x360	230
WB(S)-S2-30K	30	5	-	SST	400x500	660
WB(S)-S2-60K	60	10	-	SST	400x500	660
WB(S)-S2-150K	150	20	-	SST	400x500	660
WB(S)-S3-60K	60	10	-	SST	600x600	660
WB(S)-S3-150K	150	20	-	SST	600x600	660
WB(S)-S3-300K	300	50	-	SST	600x600	660
WB(S)-O1-15K	15	5	5	SST	320x360	230
WB(S)-O1-30K	30	10	10	SST	320x360	230
WB(S)-O1-60K	60	20	20	SST	320x360	230
WB(S)-O2-30K	30	10	10	SST	400x500	660
WB(S)-O2-60K	60	20	20	SST	400x500	660
WB(S)-O2-150K	150	50	50	SST	400x500	660
WB(S)-O3-60K	60	20	20	SST	600x600	660
WB(S)-O3-150K	150	50	50	SST	600x600	660
WB(S)-O3-300K	300	100	100	SST	600x600	660

WEL Platform Scale
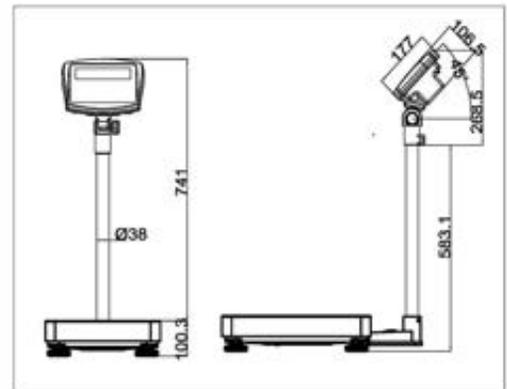
CE (OIML) M

Features

Platform: stainless steel weighing pan, painted steel or aluminum die cast base, silicone-coated aluminum load cell.

Mild steel and die cast aluminum platforms available.

Capacity from 30kg to 300kg, external resolution up to 1/6,000.

Full function: unit change, accumulation, animal weighing.

Technical Data

Display: 1.2" LED display
Power: AC adapter (100~240VAC/12V500mA), rechargeable battery (lead acid battery 6V/4Ah), operation time 40 hours
Operation temperature: -10°C~40°C
Keyboard: 5 keys (mechanical key)

Accessories

- RS-232 cable for PC
- RS-232 cable for printer
- Mini printer
- Label printer

Standard

SUM | UNIT | ANIMAL | BATTERY

Factory Option

RS 232

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification Value [e]g	Division	Platform material	Pan size mm	Approx.weight kg	Approval
WEL-S1-30K	30	5	-	6,000d	SST	300x400	16.4	CE
WEL-S1-60K	60	10	-	6,000d	SST	300x400	16.4	CE
WEL-S2-60K	60	10	-	6,000d	SST	400x500	16.4	CE
WEL-S2-150K	150	20	-	6,000d	SST	400x500	18.3	CE
WEL-S3-150K	150	20	-	6,000d	SST	500x600	18.3	CE
WEL-S3-300K	300	50	-	6,000d	SST	500x600	18.3	CE
WEL-S4-300K	300	50	-	6,000d	SST	600x800	65.4	CE
WEL-S4-600K	600	100	-	6,000d	SST	600x800	65.4	CE
WEL-O1-30K	30	10	10	3,000e	SST	300x400	16.4	CE,OIML
WEL-O1-G0K	60	20	20	3,000e	SST	300x400	16.4	CE,OIML
WEL-O2-G0K	60	20	20	3,000e	SST	400x500	16.4	CE,OIML
WEL-O2-1S0K	150	50	50	3,000e	SST	400x500	18.3	CE,OIML
WEL-O3-150K	150	50	50	3,000e	SST	500x600	18.3	CE,OIML
WEL-O3-300K	300	100	100	3,000e	SST	500x600	18.3	CE,OIML

WK Weighing Platform Scales
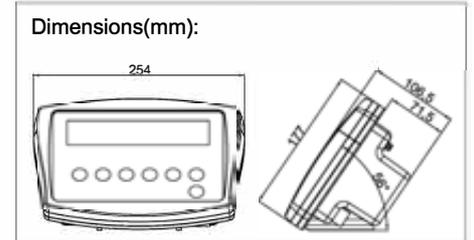
CE OIML M

Dimensions(mm):

254
106.6
71.6
172

Features

Platform: stainless steel weighing pan, painted steel or aluminum die cast base, silicone-coated aluminum load cell.

When with pole, display angle can be adjusted

Capacity from 30kg to 600kg, external resolution up to 1/15,000

Full function: unit change, accumulation, checkweighing, simply counting

Check weighing: a visual and sound signal helps with portioning, dispensing or grading

Technical Data

Display: LCD display, digit height 24 mm, with white color LED backlight

Power: AC adapter (100~240VAC/12V500mA), lead acid battery (6V/4Ah), operation time: 70 hours

Operation temperature: -10°C~40°C

Accessories

- RS-232 interface, can connect to PC or printer
- RS-232 cable for PC
- RS-232 cable for printer
- Mini printer
- Label printer
- 3 color light tower

Standard

| PCS | SUM | UNIT | TOL | BATTERY |

Factory Option

| RS 232 |

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Platform material	Pan size	Pole height
WK-S1-30k	30	2	-	Aluminum die cast	350 x 450 mm	600 mm
WK-S1-60k	60	5	-	Aluminum die cast	350 x 450 mm	600 mm
WK-S1-150k	150	10	-	Aluminum die cast	350 x 450 mm	600 mm
WK-S2-60k	60	5	-	Aluminum die cast	420 x 520 mm	660 mm
WK-S2-150k	150	10	-	Aluminum die cast	420 x 520 mm	660 mm
WK-S2-300k	300	20	-	Aluminum die cast	420 x 520 mm	660 mm
WK-S3-300k	300	20	-	Mild steel	600 x 800 mm	600 mm
WK-S3-600k	600	50	-	Mild steel	600 x 800 mm	600 mm
WK-O1-30k	30	10	10	Aluminum die cast	350 x 450 mm	600 mm
WK-O1-60k	60	20	20	Aluminum die cast	350 x 450 mm	660 mm
WK-O1-150k	150	50	50	Aluminum die cast	350 x 450 mm	660 mm
WK-O2-60k	60	20	20	Aluminum die cast	420 x 520 mm	660 mm
WK-O2-150k	150	50	50	Aluminum die cast	420 x 520 mm	660 mm
WK-O2-300k	300	100	100	Aluminum die cast	420 x 520 mm	660 mm
WK-O3-300k	300	100	100	Mild steel	600 x 800 mm	660 mm
WK-O3-600k	600	200	200	Mild steel	600 x 800 mm	660 mm

CK Piece Counting Scales
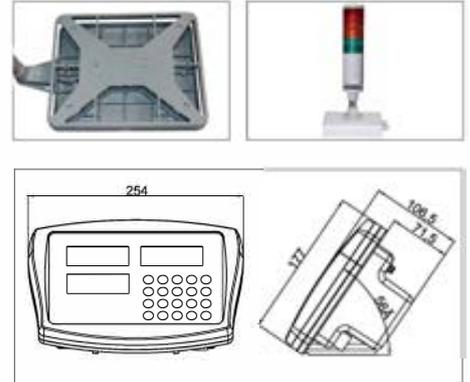
CE

Features

Platform: stainless steel weighing pan, painted steel or aluminum die cast base, silicone-coated aluminum load cell.
Capacity from 30kg to 600kg, external resoltion up to 1/15,000
Unit weight input or sample operation
Three displays for weight display (verifiable), reference weight, total pieces
Audible Fill-to-target: target quantity or target weight can be programmed, e. g. for check-weighing. When the target value is reached, a sound signal will be sent

Technical Data

Display: LCD display, digit height 20 mm, with white color LED backlight
Power: AC adapter (100~240VAC/12V500mA), lead acid battery (6V/4Ah), operation time: 70 hours
Pan size: 350x450(S), 420x520(M), 600x800 mm(L)
Dimensions of display device 254×177×107 mm
Pole height: 600mm/660mm
Cable length of display device approx. 3 m
Operation temperature: -10 °C/40 °C

Accessories

- RS-232 interface, can connect to PC or
- printer
- RS-232 cable for PC
- RS-232 cable for printer
- Mini printer
- Label printer
- 3 color light tower

Standard

| PCS | SUM | PERCENT | UNIT | TOL | BATTERY |

Factory Option

| RS 232 | ANALOG |

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Platform material	Pan size	Pole height
CK- S1 -30k	30	2	-	Aluminum die cast	350 x 450 mm	600 mm
CK- S1 -60k	60	5	-	Aluminum die cast	350 x 450 mm	600 mm
CK- S1 -150k	150	10	-	Aluminum die cast	350 x 450 mm	600 mm
CK- S2 -60k	60	5	-	Aluminum die cast	420 x 520 mm	660 mm
CK- S2 -150k	150	10	-	Aluminum die cast	420 x 520 mm	660 mm
CK- S2 -300k	300	20	-	Aluminum die cast	420 x 520 mm	660 mm

VW Weighing Platform Scales

CE OIML M

Features

Platform: stainless steel weighing pan, painted steel or aluminum die cast base, silicone-coated aluminum load cell.

Pole version or wall mount bracket version selectable, when with pole, display angle can be adjusted

Capacity from 30kg to 600kg, external resolution up to 1/15,000

Full function: unit change, accumulation, checkweighing, simply counting, percentage weighing.

Check weighing: a visual and sound signal helps with portioning, dispensing or grading

Animal weighing, When the weighing conditions are unstable, a stable weight is calculated as an average value

Technical Data

Display:
LCD display, digit height 52 mm, with white color LED backlight
Power: AC adapter (100~240VAC/12V500mA), lead acid battery (6V/1.3Ah), operation time: 30 hours
Pan size: 350x450, 420x520, 600x800mm
Dimensions of display device: 252×162×58 mm
Pole height: 600mm/660mm
Operation temperature: -10°C~40°C

Accessories

- RS-232 interface can connect to PC or
- printer.
- RS-232 cable for PC
- RS-232 cable for printer
- Mini printer
- Label printer
- Bluetooth data interface, data transfer to PC or tablets,
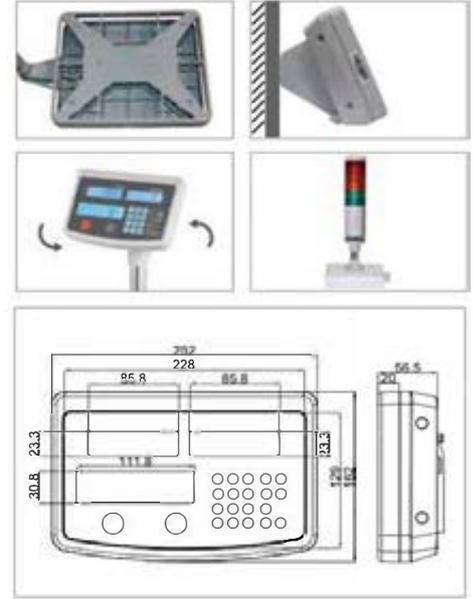- Analogue output (0~10V or 4~20mA selectable)
- 3 color light tower

Standard

PCS | SUM | PERCENT | UNIT | TOL | ANIMAL | BATTERY

Factory Option

INT-VER | RS 232 | BT | ANALOG

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Platform material	Pan size	Pole height
SVW-30k	30	2	-	Aluminum die cast	350 x 450 mm	600 mm
SVW-60k	60	5	-	Aluminum die cast	350 x 450 mm	600 mm
SVW-150k	150	10	-	Aluminum die cast	350 x 450 mm	600 mm
MVW-60k	60	5	-	Aluminum die cast	420 x 520 mm	660 mm
MVW-150k	150	10	-	Aluminum die cast	420 x 520 mm	660 mm
MVW-300k	300	20	-	Aluminum die cast	420 x 520 mm	660 mm
SVW-M-30k	30	10	10	Aluminum die cast	350 x 450 mm	600 mm
SVW-M-60k	60	20	20	Aluminum die cast	350 x 450 mm	600 mm
SVW-M-150k	150	50	50	Aluminum die cast	350 x 450 mm	600 mm
MVW-M-60k	60	20	20	Aluminum die cast	420 x 520 mm	660 mm
MVW-M-150k	150	50	50	Aluminum die cast	420 x 520 mm	660 mm
MVW-M-300k	300	100	100	Aluminum die cast	420 x 520 mm	660 mm
LVW-M-600k	600	200	200	Aluminum die cast	420 x 520 mm	660 mm

CV Piece Counting Scales

CE OIML M

Features

Platform: stainless steel weighing pan, painted steel or aluminum die cast base, silicone-coated aluminum load cell.

When with pole, display angle can be adjusted Capacity from 30kg to 600kg, external resolution up to 1/15,000

Unit weight input or sample operation

Three displays for weight display (verifiable), reference weight, total pieces

Audible Fill-to-target: target quantity or target weight can be programmed, e. g. for check-weighing. When the target value is reached, a sound signal will be sent

Technical Data

Display: LCD display, digit height 20 mm, with white color LED backlight

Power: AC adapter (100~240VAC/12V500mA), lead acid battery (6V/4 Ah), operation time: 70 hours

Pan size: 350x450(1), 420x520(2), 600x800mm(3)

Dimensions of display device 254×177×107 mm

Pole height: 600mm/660mm

Cable length of display device approx. 3 m

Operation temperature： -10 °C/40 °C

Accessories

■ RS-232 interface, can connect to PC or
■ printer
■ RS-232 cable for PC
■ RS-232 cable for printer
■ Mini printer
■ Label printer
■ 3 color light tower

Standard

| PCS | SUM | PERCENT | UNIT | TOL | BATTERY |

Factory Option

| RS 232 | INT-VER | ANALOG |

Model	Weighing Capacity [Max]kg	Readability [d]g	Verification value [e]g	Platform material	Pan size	Pole height
CV- S1 -30k	30	2		Aluminum die cast	350 x 450 mm	600 mm
CV- S1 -60k	60	5		Aluminum die cast	350 x 450 mm	600 mm
CV- S1 -150k	150	10		Aluminum d ie cast	350 x 450 mm	600 mm
CV- S2 -60k	60	5		Aluminum die cast	420 x 520 mm	660 mm
CV- S2 -150k	150	10		Aluminum die cast	420 x 520 mm	660 mm
CV- S2 -300k	300	20		Aluminum die cast	420 x 520 mm	660 mm
CV- O1 -30k	30	10	10	Aluminum die cast	350 x 450 mm	600 mm
CV- O1 -60k	60	20	20	Aluminum die cast	350 x 450 mm	600 mm
CV- O1 -150k	150	50	50	Aluminum die cast	350 x 450 mm	600 mm
CV- O2 -60k	60	20	20	Aluminum die cast	420 x 520 mm	660 mm
CV- O2 -150k	150	50	50	Aluminum die cast	420 x 520 mm	660 mm
CV- O2 -300k	300	100	100	Aluminum die cast	420 x 520 mm	660 mm

WDS Digital Utility Scale

$C\epsilon$

Experience reliable durability and accurate measurements anytime, anywhere!

Features

10x Overload Protection for Ultimate Durability

- Superior 10x overload protection ensures scale integrity.
- 1.5mm thick , high-strength painted carbon steel pan.
- Impact-resistant, three-layer assembly for enhanced strength.
- Built-in overload protection devices for added reliability.

Versatile Dual Power Options

- Convenient power choices for every need.
- Operates on 4 AA alkaline batteries (not included) for up to 150 hours with backlight.
- USB-A to DC power supply for flexible usage.

Wide-Angle LCD Display

- 25mm high digits for clear visibility from any angle.
- Effortless readability in any position.

Multiple Application

- Perfect for warehouse shipping, receiving, and commercial weighing tasks.
- Ideal for a variety of general weighing needs.

RS232 Communication Port

Transmits weighing data to computers via RS232 interface.

Wall-Mounted Bracket

Multi-purpose design for wall or desktop placement.

Flexible Spiral Telescopic Cable

6.8mm wide, 2.4mm thick with RJ11 connectors for easy concealment and replacement.

WDS Digital Utility Scale

$C \in$

Specifications

Model	WDS-75K	WDS-200K
Capacity	75kg / 150lb	200kg / 400lb
Readability	0.05kg / 0.1lb	0.1kg / 0.2lb
Divisions	1500d	2000d
Weighing Units	kg/lb/oz/lb:oz	
Display	0.98 inch / 25mm digit height, 5-digit, 7-segment LCD Display with white LED back light	
Keypad	4 mechanical key	
Housing	ABS plastic indicator and mounting brackets Anti-slip painted carbon steel platform	
Cable Length	9.2 ft / 280 cm (9.8 ft / 300cm full extension)	
Stabilization Time	1 second	
Power	Input AC 100-240V, output DC 5V/1000mA (form of USB-A to DC)	
Battery (optional)	Alkaline dry battery (1.5Vx4 AA) (Not included)	
Battery Life	Over 150 hours continuous use with backlight on Over 500 hours continuous use with backlight off	
Operation Temperature	0°C - 40°C / 32°F - 104°F	
Type of Load Cells	4 x fullbridge load cells	
Overload Protection	10+ times the maximum weighing load	
Communication port	RS232	
Function	Zero/Hold/Unit change	
Auto-Off Time	Auto-off = 3/10/15/30mins	
Net weight	3.8kg / 8.4lb	
Gross weight	4.3kg / 9.5lb	
Indicator Dimension (W x D x H)	213 x 115 x 52mm / 8.4 x 4.5 x 2.0inch	
Platform Dimension (W x D x H)	304.8 x 317.5 x 51.5mm / 12 x 12.5 x 2.03inch	
Approval	CE; UL certified power supply	

Dimension(mm)
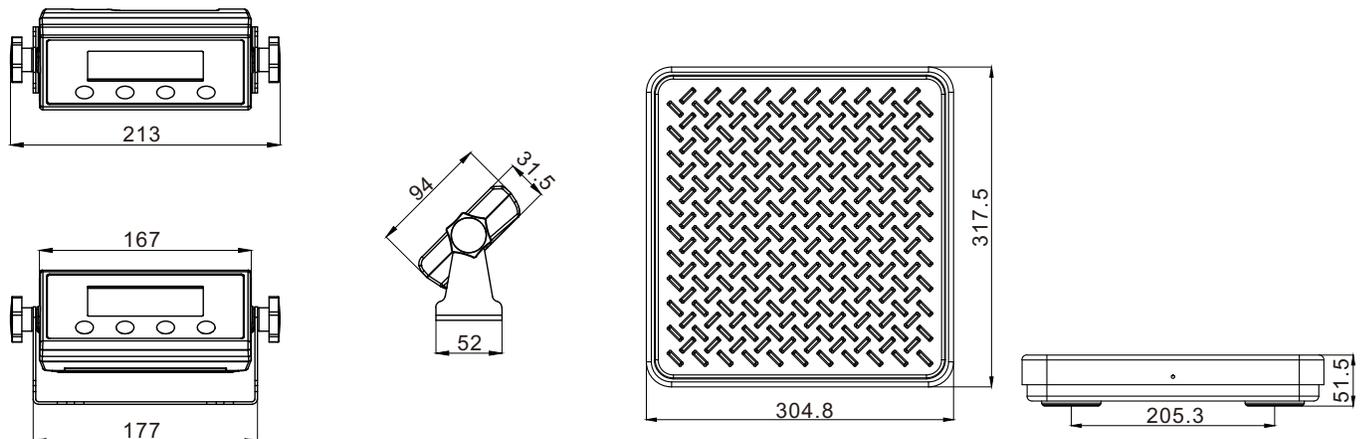
FA Platform Base

Features

Aluminum die cast, mild steel, structure selectable

Stainless steel weighing plate,
Aluminum load cell, stainless steel load cell selectable

Normal load cell, OIML load cell, NTEP load cell selectable

Level indicator and leveling feet for precise leveling of the scale

Different load cell connection selectable (DB9, 5/7/9 pin air connector)

Different platform sharp selectable (square or rectangle)

Different platform size selectable (aluminum die cast can select 320x360,350x450mm, 420x520mm,other platform can select 300x240, 300x400, 400x500, 400x400 600x600)

Cable length: 3m

Luxury model or economic model selectable

Customize platform size, cable length and load cell connector

Optional pole bracket, pole

Optional status discharge kit and grounding connection

Optional load cell protection kit (only for aluminum load cell)

Model Name	Weighing Capacity [kg]	Max Division	Pan Size [mm]	Platform Material
FA-4040-30K	30	3,000e ⎮ 15,000d	400 x 400	Mild Steel
FA-4040-60K	60	3,000e ⎮ 15,000d	400 x 400	Mild Steel
FA-4040-150K	150	3,000e ⎮ 15,000d	400 x 400	Mild Steel
FA-6060-60K	60	3,000e ⎮ 15,000d	600 x 600	Mild Steel
FA-6060-150K	150	3,000e ⎮ 15,000d	600 x 600	Mild Steel
FA-6060-300K	300	3,000e ⎮ 15,000d	600 x 600	Mild Steel
FA-3024-6K	6	3,000e ⎮ 15,000d	300 x 240	Mild Steel
FA-3024-15K	15	3,000e ⎮ 15,000d	300 x 240	Mild Steel
FA-3024-30K	30	3,000e ⎮ 15,000d	300 x 240	Mild Steel
FA-4030-30K	30	3,000e ⎮ 15,000d	400 x 300	Mild Steel
FA-4030-60K	60	3,000e ⎮ 15,000d	400 x 300	Mild Steel
FA-5040-60K	60	3,000e ⎮ 15,000d	500 x 400	Mild Steel
FA-5040-150K	150	3,000e ⎮ 15,000d	500 x 400	Mild Steel
FA-3236-15K	15	3,000e ⎮ 15,000d	320 x 360	Aluminum die cast
FA-3236-30K	30	3,000e ⎮ 15,000d	320 x 360	Aluminum die cast
FA-3236-60K	60	3,000e ⎮ 15,000d	320 x 360	Aluminum die cast
FA-3545-30K	30	3,000e ⎮ 15,000d	350 x 450	Aluminum die cast
FA-3545-60K	60	3,000e ⎮ 15,000d	350 x 450	Aluminum die cast
FA-3545-150K	150	3,000e ⎮ 15,000d	350 x 450	Aluminum die cast
FA-4252-60K	60	3,000e ⎮ 15,000d	420 x 520	Aluminum die cast
FA-4252-150K	150	3,000e ⎮ 15,000d	420 x 520	Aluminum die cast
FA-4252-300K	300	3,000e ⎮ 15,000d	420 x 520	Aluminum die cast

Customization on Request

FAS Platform Base

Features

Stainless steel structure
Stainless steel weighing plate,
Aluminum load cell (FAS-A-xx), stainless
steel load cell (FAS-S-xx)selectable
Normal load cell, OIML load cell, NTEP load
cell selectable
Level indicator and leveling feet for precise
leveling of the scale

Different load cell connection selectable (DB9,
5/7/9 pin air connector)
Different platform sharp selectable (square or
rectangle)
Different platform size platform can select
300x240, 320x360, 400x500, 600x800,
400x400 600x600)

Cable length: 3m
Luxury model or economic model selectable
Customize platform size, cable length and
load cell connector
Optional pole bracket, pole
Optional status discharge kit and grounding
connection
Optional load cell protection kit (only for
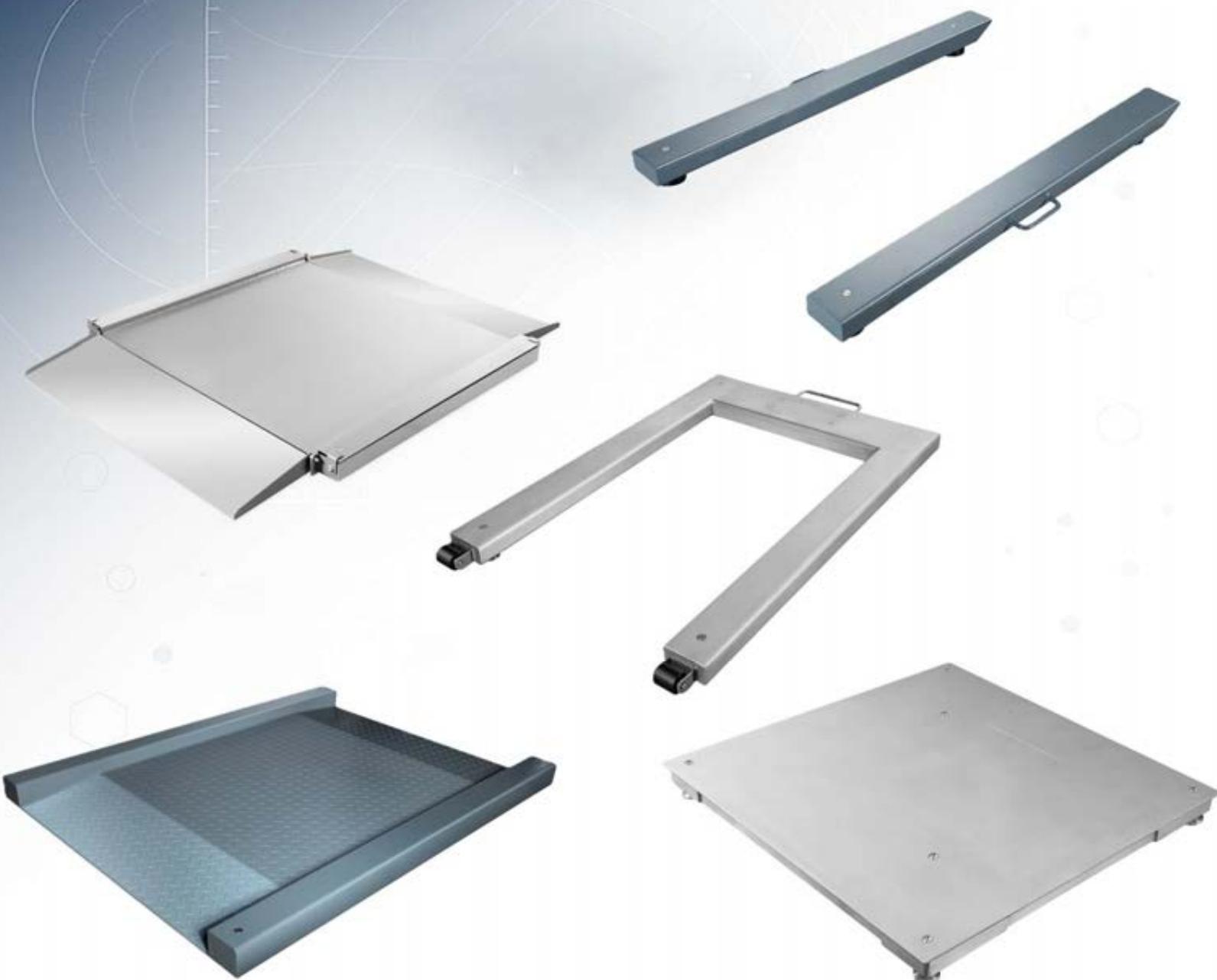aluminum load cell)

Model Name	Weighing Capacity [kg]	Max Division	Pan Size [mm]	Platform Material
FAS-3024-15K	15	3,000e | 15,000d	300 x 240	Stainless Steel
FAS-3024-30K	30	3,000e | 15,000d	300 x 240	Stainless Steel
FAS-3236-30K	30	3,000e | 15,000d	320 x 360	Stainless Steel
FAS-3236-60K	60	3,000e | 15,000d	320 x 360	Stainless Steel
FAS-4050-60K	60	3,000e | 15,000d	400 x 500	Stainless Steel
FAS-4050-150K	150	3,000e | 15,000d	400 x 500	Stainless Steel
FAS-4040-30K	30	3,000e | 15,000d	400 x 400	Stainless Steel
FAS-4040-60K	60	3,000e | 15,000d	400 x 400	Stainless Steel
FAS-4040-150K	150	3,000e | 15,000d	400 x 400	Stainless Steel
FAS-6060-60K	60	3,000e | 15,000d	600 x 600	Stainless Steel
FAS-6060-150K	150	3,000e | 15,000d	600 x 600	Stainless Steel
FAS-6060-300K	300	3,000e | 15,000d	600 x 600	Stainless Steel
FAS-6080-150K	150	3,000e | 15,000d	600 x 800	Stainless Steel
FAS-6080-300K	300	3,000e | 15,000d	600 x 800	Stainless Steel

Customization on Request

FLOOR SCALES

FSR-APO Standard Floor Scale

SP-scale

CE OIML

	10x10	10x12	12x12	12x15	15x15
A (mm)	1000	1000	1200	1200	1500
B (mm)	1000	1200	1200	1500	1500
C (mm)	896	896	1096	1096	1396
D (mm)	896	1096	1096	1396	1396
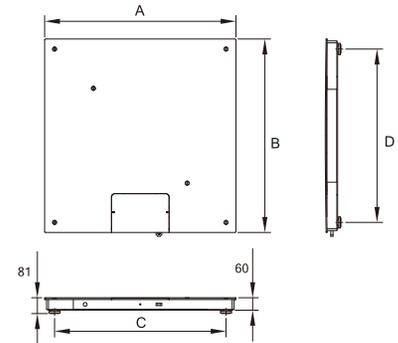
Features

Weighing bridge with non-slip chequer plate, lacquered, welded
4 Load cells, steel, silicone-coated
Level indicator and leveling feet for precise leveling of the scale
Easy access to the junction box from the top
Comfortable leveling of the weighing bridge from the top
5m load cell cable
Mild steel with powder painting

Technical Data

Capacities: 1~3t
Max.Divisions: 3,000e | 6,000d
Load cell: 4 x 350ohms
Operate Temp: -10 °C/40 °C
Packing: Wood box or Paper pallet(with indicator)
Platform size:
1000x1000 mm 1200x1200 mm
1500x1500 mm 1000x1200 mm
1200x1500 mm

Accessories/options

- Pit frame
- 1 side ramp or 2 side ramp
- Weighing indicator
- Whole package with weighing indicator inside
- Indicator stand
- Indicator wall mount bracket

Model Name	Weighing Capacity(t)	Max Division	Platform Size (mm)	Net Weight(kg)
FSR-APO-1010-1t	1	3,000e | 6,000d	1000 x 1000	106
FSR-APO-1010-2t	2	3,000e | 6,000d	1000 x 1000	106
FSR-APO-1010-3t	3	3,000e | 6,000d	1000 x 1000	106
FSR-APO-1012-1t	1	3,000e | 6,000d	1000 x 1200	120
FSR-APO-1012-2t	2	3,000e | 6,000d	1000 x 1200	120
FSR-APO-1012-3t	3	3,000e | 6,000d	1000 x 1200	120
FSR-APO-1212-1t	1	3,000e | 6,000d	1200 x 1200	120
FSR-APO-1212-2t	2	3,000e | 6,000d	1200 x 1200	120
FSR-APO-1212-3t	3	3,000e | 6,000d	1200 x 1200	120
FSR-APO-1215-1t	1	3,000e | 6,000d	1200 x 1500	145
FSR-APO-1215-2t	2	3,000e | 6,000d	1200 x 1500	145
FSR-APO-1215-3t	3	3,000e | 6,000d	1200 x 1500	145
FSR-APO-1515-1t	1	3,000e | 6,000d	1500 x 1500	173
FSR-APO-1515-2t	2	3,000e | 6,000d	1500 x 1500	173
FSR-APO-1515-3t	3	3,000e | 6,000d	1500 x 1500	173

Customization on Request

FSR-xSO Standard Floor Scale s/s

SP-scale

CE (OIML)
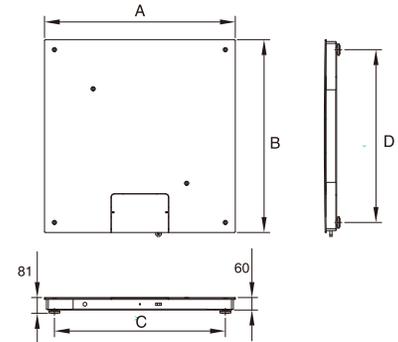
Features

Weighing bridge with non-slip chequer plate, lacquered

4 Load cells, steel, ilicone-coated, IP67 for FSR-xSO, stainless steel load cell selectable

Level indicator and leveling feet for precise leveling of the scale

Easy access to the junction box from the top

Comfortable leveling of the weighing bridge from the top

5m load cell cable

Housing Stainless steel

Technical Data

Capacities: 1~3t
Max.Divisions:3,000e
Load cell: 4 x 350ohms
Operate Temp: -10 °C/40 °C
Packing: Wood box or Paper pallet(with indicator)
Platform size:
1000x1000 mm 1200x1200 mm
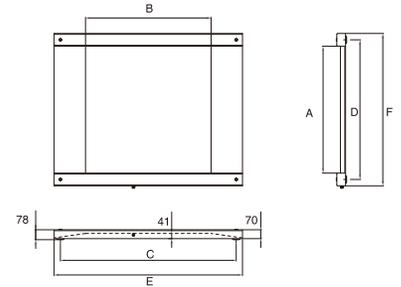1500x1500 mm 1000x1200 mm
1200x1500 mm

Accessories/options

- Pit frame
- 1 side ramp or 2 side ramp
- Weighing indicator
- Whole package with weighing indicator inside
- Indicator stand
- Indicator wall mount bracket

	10x10	10x12	12x12	12x15	15x15
A (mm)	1000	1000	1200	1200	1500
B (mm)	1000	1200	1200	1500	1500
C (mm)	896	896	1096	1096	1396
D (mm)	896	1096	1096	1396	1396

Model Name	Weighing Capacity(t)	Max Division	Platform Size (mm)	Net Weight(kg)
FSR-xSO-1010-1t	1	3,000e⏐6,000d	1000 x 1000	106
FSR-xSO-1010-2t	2	3,000e⏐6,000d	1000 x 1000	106
FSR-xSO-1010-3t	3	3,000e⏐6,000d	1000 x 1000	106
FSR-xSO-1012-1t	1	3,000e⏐6,000d	1000 x 1200	120
FSR-xSO-1012-2t	2	3,000e⏐6,000d	1000 x 1200	120
FSR-xSO-1012-3t	3	3,000e⏐6,000d	1000 x 1200	120
FSR-xSO-1212-1t	1	3,000e⏐6,000d	1200 x 1200	120
FSR-xSO-1212-2t	2	3,000e⏐6,000d	1200 x 1200	120
FSR-xSO-1212-3t	3	3,000e⏐6,000d	1200 x 1200	120
FSR-xSO-1215-1t	1	3,000e⏐6,000d	1200 x 1500	145
FSR-xSO-1215-2t	2	3,000e⏐6,000d	1200 x 1500	145
FSR-xSO-1215-3t	3	3,000e⏐6,000d	1200 x 1500	145
FSR-xSO-1515-1t	1	3,000e⏐6,000d	1500 x 1500	173
FSR-xSO-1515-2t	2	3,000e⏐6,000d	1500 x 1500	173
FSR-xSO-1515-3t	3	3,000e⏐6,000d	1500 x 1500	173

Customization on Request

FSRL-APO Recessed Load Ramp Floor Scale

SP-scale

CE ⦿OIML

	1010	1212
A	1000	1200
B	1000	1200
C	1500	1700
D	1100	1300
E	1600	1800
F	1200	1400

Features

Weighing bridge made of non-slip corrugated steel plate, lacquered, two access ramps integrated, extremely resistant to bending
Extremely flat construction to facilitate access: access height only 45 mm
4 Load cells, alloy steel, silicone-coated
5m load cell cable

Technical Data

Capacity: 600kg/1500kg
Housing: Mild steel with powder painting
Max.Divisions:3,000e∣6,000d
Load cell: 4 x 350ohms
Operate Temp: -10 °C/40 °C
Platform size:
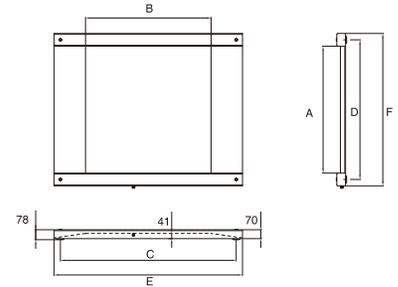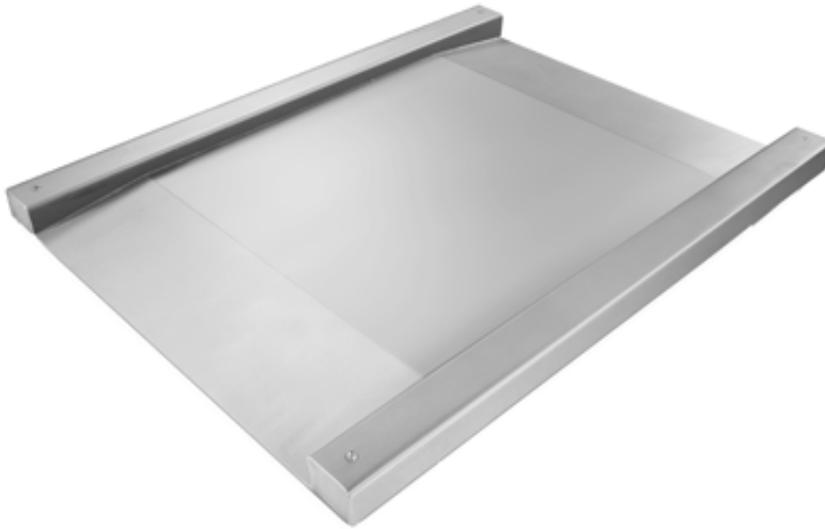1000x1000 mm   1200x1200 mm

Accessories/options

- Weighing indicator
- Indicator stand
- Indicator wall mount bracket

Model Name	Weighing Capacity(kg)	Max Division	Platform Size (mm)	Net Weight(kg)
FSRL-APO-1010-600K	600	3,000e∣6,000d	1000 x 1000	101
FSRL-APO-1010-1.5t	1500	3,000e∣6,000d	1000 x 1000	101
FSRL-APO-1012-600K	600	3,000e∣6,000d	1000 x 1200	134
FSRL-APO-1012-1.5t	1500	3,000e∣6,000d	1000 x 1200	134

Customization on Request

FSRL-xSO Recessed Load Ramp Floor Scale s/s

SP-scale

CE OIML

	1010	1212
A	1000	1200
B	1000	1200
C	1500	1700
D	1100	1300
E	1600	1800
F	1200	1400

Features

Weighing bridge made of steel plate, lacquered, two access ramps integrated, extremely resistant to bending

Extremely flat construction to facilitate access: access height only 45 mm

4 Load cells, alloy steel, silicone-coated, s/s selectable

5m load cell cable
Stainless steel

Technical Data

Capacity: 600kg/1500kg
Housing: Stainless steel
Max.Divisions: 3,000e | 6,000d
Load cell: 4 x 350ohms
Operate Temp: -10 °C/40 °C
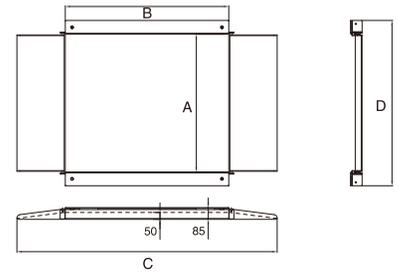**Platform size:**
1000x1000 mm   1200x1200 mm

Accessories/options

- Weighing indicator
- Indicator stand
- Indicator wall mount bracket

Model Name	Weighing Capacity(kg)	Max Division	Platform Size (mm)	Net Weight(kg)
FSRL-xSO-1010-600K	600	3,000e | 6,000d	1000 x 1000	101
FSRL-xSO-1010-1.5t	1500	3,000e | 6,000d	1000 x 1000	101
FSRL-xSO-1012-600K	600	3,000e | 6,000d	1000 x 1200	134
FSRL-xSO-1012-1.5t	1500	3,000e | 6,000d	1000 x 1200	134

Customization on Request

FSRR-APO Recessed Fold Ramp Floor Scale

	1010	1212
A(mm)	1000	1200
B(mm)	1000	1200
C(mm)	1710	1910
D(mm)	1200	1400

Features

Weighing bridge made of non-slip corrugated steel plate, lacquered, two folding ramps
Extremely flat construction to facilitate access: access height only 45 mm
4 Load cells, alloy steel, silicone-coated
5m load cell cable

Technical Data

Capacity: 600kg/1500kg
Housing: Mild steel with powder painting
Max.Divisions:3,000e ǀ 6,000d
Load cell: 4 x 350ohms
Operate Temp: -10 °C/40 °C
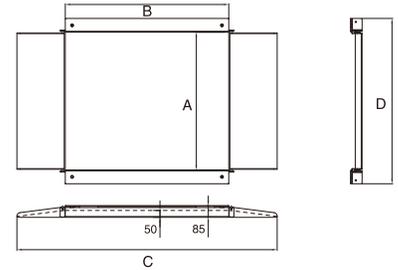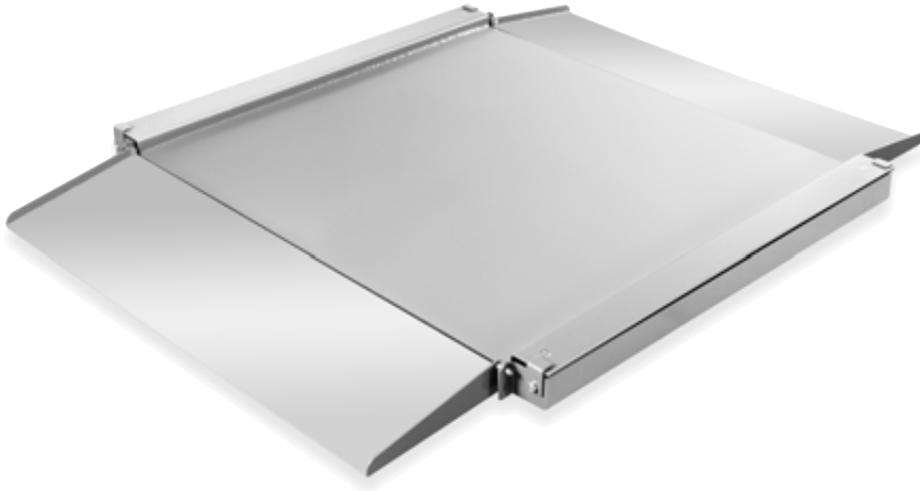**Platform size:**
1000x1000 mm   1200x1200 mm

Accessories/options

- Weighing indicator
- Indicator stand
- Indicator wall mount bracket

Model Name	Weighing Capacity(kg)	Max Division	Platform Size (mm)	Net Weight(kg)
FSRR-APO-1010-600K	600	3,000e ǀ 6,000d	1000 x 1000	105
FSRR-APO-1010-1.5t	1500	3,000e ǀ 6,000d	1000 x 1000	105
FSRR-APO-1012-600K	600	3,000e ǀ 6,000d	1000 x 1200	139
FSRR-APO-1012-1.5t	1500	3,000e ǀ 6,000d	1000 x 1200	139

Customization on Request

FSRR-xSO Recessed Fold Ramp Floor Scale s/s

SP-scale

CE OIML

	1010	1212
A(mm)	1000	1200
B(mm)	1000	1200
C(mm)	1710	1910
D(mm)	1200	1400

Features

Weighing bridge made of steel plate, lacquered, two folding ramps
Extremely flat construction to facilitate access: access height only 45 mm
4 Load cells, alloy steel, silicone-coated, s/s selectable
5m load cell cable

Technical Data

Capacity: 600kg/1500kg
Housing: Stainless steel
Max.Divisions: 3,000e | 6,000d
Load cell: 4 x 350ohms
Operate Temp: -10 °C/40 °C
**Platform size:**
1000x1000 mm   1200x1200 mm

Accessories/options

- Weighing indicator
- Indicator stand
- Indicator wall mount bracket

Model Name	Weighing Capacity(kg)	Max Division	Platform Size (mm)	Net Weight(kg)
FSRR-xSO-1010-600K	600	3,000e | 6,000d	1000 x 1000	105
FSRR-xSO-1010-1.5t	1500	3,000e | 6,000d	1000 x 1000	105
FSRR-xSO-1012-600K	600	3,000e | 6,000d	1000 x 1200	139
FSRR-xSO-1012-1.5t	1500	3,000e | 6,000d	1000 x 1200	139

Customization on Request

FSRG-APO Floor Scale
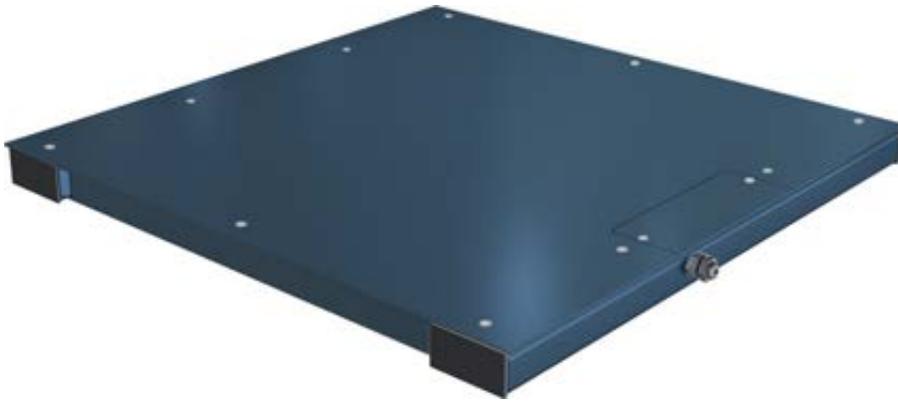
CE OIML

Features

Weighing plate screwed on from the top, so it easy to remove,hygienic and easy to clean

Lacquered steel weighing bridge corrugated steel plate.Extremely resistant to bending due to material thickness

4 Load cells, steel, silicone-coated, IP67 stainless steel load cell selectable

Level indicator and leveling feet for precise leveling of the scale

Easy access to the junction box from the top

Comfortable leveling of the weighing bridge from the top

5m load cell cable
Mild steel with powder painting

Technical Data

Capacities: 1t~3t
Housing: Mild steel
Max.Divisions:3,000e | 6,000d
Load cell: 4 x 350ohms
Operate Temp: -10 °C/40 °C
Packing: Wood box or Paper pallet(with indicator)
Platform size:
1000x1000mm 1200x1200mm 1500x1500mm
1000x1200mm 1200x1500mm

Accessories/options

- Pit frame
- 1 side ramp or 2 side ramp
- Weighing indicator
- Whole package with weighing indicator inside
- Indicator stand
- Indicator wall mount bracket
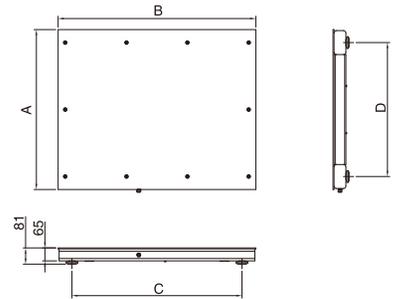
	10x10	10x12	12x12	12x15	15x15
A（mm）	1000	1000	1200	1200	1500
B（mm）	1000	1200	1200	1500	1500
C（mm）	860	1060	1060	1360	1360
D（mm）	870	870	1070	1070	1370

Model Name	Weighing Capacity(t)	Max Division	Platform Size (mm)	Net Weight(kg)
FSRG-APO-1010-1t	1	3,000e | 6,000d	1000 x 1000	106
FSRG-APO-1010-2t	2	3,000e | 6,000d	1000 x 1000	106
FSRG-APO-1010-3t	3	3,000e | 6,000d	1000 x 1000	106
FSRG-APO-1012-1t	1	3,000e | 6,000d	1000 x 1200	120
FSRG-APO-1012-2t	2	3,000e | 6,000d	1000 x 1200	120
FSRG-APO-1012-3t	3	3,000e | 6,000d	1000 x 1200	120
FSRG-APO-1212-1t	1	3,000e | 6,000d	1200 x 1200	140
FSRG-APO-1212-2t	2	3,000e | 6,000d	1200 x 1200	140
FSRG-APO-1212-3t	3	3,000e | 6,000d	1200 x 1200	140
FSRG-APO-1215-1t	1	3,000e | 6,000d	1200 x 1500	166
FSRG-APO-1215-2t	2	3,000e | 6,000d	1200 x 1500	166
FSRG-APO-1215-3t	3	3,000e | 6,000d	1200 x 1500	166
FSRG-APO-1515-1t	1	3,000e | 6,000d	1500 x 1500	210
FSRG-APO-1515-2t	2	3,000e | 6,000d	1500 x 1500	210
FSRG-APO-1515-3t	3	3,000e | 6,000d	1500 x 1500	210

Customization on Request

FSRG-xSO Floor Scale s/s

SP-scale

CE OIML
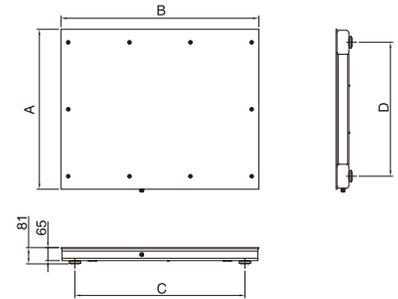
Features

Weighing plate screwed on from the top, so it easy to remove,hygienic and easy to clean
Lacquered steel weighing bridge corrugated steel plate.Extremely resistant to bending due to material thickness
4 Load cells, steel, silicone-coated, IP67 stainless steel load cell selectable
Level indicator and leveling feet for precise leveling of the scale
Easy access to the junction box from the top
Comfortable leveling of the weighing bridge from the top
5m load cell cable
Stainless steel

Technical Data

Capacities: 1t~3t
Housing: Stainless steel
Max.Divisions:3,000e | 6,000d
Load cell: 4 x 350ohms
Operate Temp: -10 °C/40 °C
Packing: Wood box or Paper pallet(with indicator)
Platform size:
1000x1000mm 1200x1200mm 1500x1500mm
1000x1200mm 1200x1500mm

Accessories/options

- Pit frame
- 1 side ramp or 2 side ramp
- Weighing indicator
- Whole package with weighing indicator inside
- Indicator stand
- Indicator wall mount bracket

	10x10	10x12	12x12	12x15	15x15
A (mm)	1000	1000	1200	1200	1500
B (mm)	1000	1200	1200	1500	1500
C (mm)	860	1060	1060	1360	1360
D (mm)	870	870	1070	1070	1370

Model Name	Weighing Capacity(t)	Max Division	Platform Size (mm)	Net Weight(kg)
FSRG-xSO-1010-1t	1	3,000e	6,000d	1000 x 1000	106
FSRG-xSO-1010-2t	2	3,000e	6,000d	1000 x 1000	106
FSRG-xSO-1010-3t	3	3,000e	6,000d	1000 x 1000	106
FSRG-xSO-1012-1t	1	3,000e	6,000d	1000 x 1200	120
FSRG-xSO-1012-2t	2	3,000e	6,000d	1000 x 1200	120
FSRG-xSO-1012-3t	3	3,000e	6,000d	1000 x 1200	120
FSRG-xSO-1212-1t	1	3,000e	6,000d	1200 x 1200	140
FSRG-xSO-1212-2t	2	3,000e	6,000d	1200 x 1200	140
FSRG-xSO-1212-3t	3	3,000e	6,000d	1200 x 1200	140
FSRG-xSO-1215-1t	1	3,000e	6,000d	1200 x 1500	166
FSRG-xSO-1215-2t	2	3,000e	6,000d	1200 x 1500	166
FSRG-xSO-1215-3t	3	3,000e	6,000d	1200 x 1500	166
FSRG-xSO-1515-1t	1	3,000e	6,000d	1500 x 1500	210
FSRG-xSO-1515-2t	2	3,000e	6,000d	1500 x 1500	210
FSRG-xSO-1515-3t	3	3,000e	6,000d	1500 x 1500	210

Customization on Request

FSP-APO Floor Scale

CE ⊙OIML
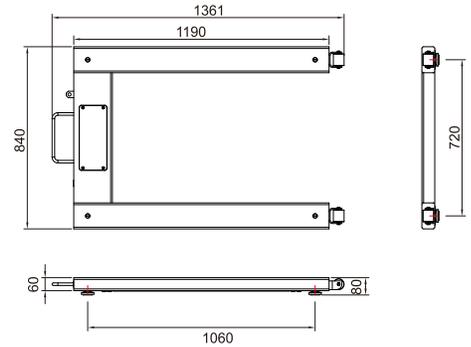
Features

Work with pallet truck, easy to weigh goods with pallet
painted steel height 90 mm
4 load cells, alloy steel, silicone-coated, IP67
2 rollers and handle for easy transport of the scale

Technical Data

Capacity: 1t~3t
Housing: Mild steel with powder painting
Max.Divisions:3,000e｜6,000d
Load cell: 4 x 350ohms
Operate Temp: -10 °C/40 °C
Platform size:1361x40mm

Accessories/options

- Weighing indicator
- Indicator stand
- Indicator wall mount bracket

Model Name	Weighing Capacity(t)	Max Division	Platform Size (mm)	Net Weight(kg)
FSP-APO-1t	1	3,000e｜6,000d	1361 x 840	63
FSP-APO-2t	2	3,000e｜6,000d	1361 x 840	63
FSP-APO-3t	3	3,000e｜6,000d	1361 x 840	63

Customization on Request

FSP-xSO Floor Scale s/s

CE OIML

Features

Work with pallet truck, easy to weigh goods with pallet
4 load cells, alloy steel, silicone-coated, IP67 s/s selectable
2 rollers and handle for easy transport of the scale

Technical Data

Capacity: 1t~3t
Housing: Stainless steel
Max.Divisions:3,000e | 6,000d
Load cell: 4 x 350ohms
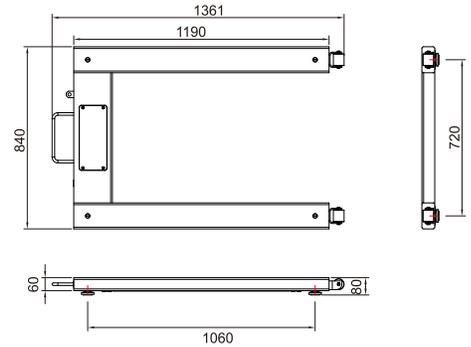**Operate Temp:** -10 °C/40 °C
Platform size:1361x840mm

Accessories/options

- Weighing indicator
- Indicator stand
- Indicator wall mount bracket

Model Name	Weighing Capacity(t)	Max Division	Platform Size (mm)	Net Weight(kg)
FSP-xSO-1t	1	3,000e	6,000d	1361 x 840	63
FSP-xSO-2t	2	3,000e	6,000d	1361 x 840	63
FSP-xSO-3t	3	3,000e	6,000d	1361 x 840	63

Customization on Request

FSB-APO Beam Scale

CE ⊙OIML

Features

Weighing beams painted steel base
4 load cells, alloy steel, silicone-coated, IP67
leveling feet for precise leveling of the weighing
beams
Each weighing beam has a roller and handle for
easy transport of the scale

Technical Data

Capacities: 1t~3t
Housing: Mild steel with powder painting
Max.Divisions:3,000e⏐6,000d
Load cell: 4 x 350ohms
Operate Temp: -10 °C/40 °C
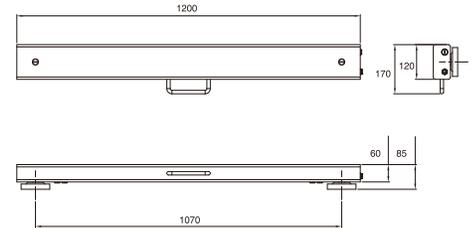**Platform size:**Each beam 1200x120mm, one
set 2 beam

Accessories/options

- Weighing indicator
- Indicator stand
- Indicator wall mount bracket

Model Name	Weighing Capacity(t)	Max Division	Platform Size (mm)	Net Weight(kg)
FSB-APO-1t	1	3,000e⏐6,000d	1200 x 120	45
FSB-APO-2t	2	3,000e⏐6,000d	1200 x 120	45
FSB-APO-3t	3	3,000e⏐6,000d	1200 x 120	45

Customization on Request

FSB-xSO Beam Scale s/s

CE OIML

1200

170 **120**

60 **85**

1070

Features

Weighing beams stainless steel base
4 load cells, alloy steel, silicone-coated, IP67
leveling feet for precise leveling of the weighing
beams
Each weighing beam has a roller and handle for
easy transport of the scale

Technical Data

Capacities: 1t~3t
Housing: Stainless steel
Max.Divisions:3,000e |6,000d
Load cell: 4 x 350ohms
Operate Temp: -10 °C/40 °C
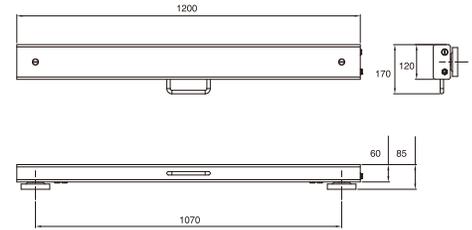**Platform size:**Each beam 1200x120mm, one
set 2 beam

Accessories/options

- Weighing indicator
- Indicator stand
- Indicator wall mount bracket

Model Name	Weighing Capacity(t)	Max Division	Platform Size (mm)	Net Weight(kg)
FSB-xSO-1t	1	3,000e |6,000d	1200 x 120	45
FSB-xSO-2t	2	3,000e |6,000d	1200 x 120	45
FSB-xSO-3t	3	3,000e |6,000d	1200 x 120	45

Customization on Request

FSR-FMP & FSR-FMS Floor Scale Frames

Feayures

Stable pit frame, to install the weighing bridge so you can drive straight on it
Mild steel or stainless steel selectable

Construction

Dimension (W×D×H)	1088x1088x110mm, 1288x1288x110mm, 1588x1588x110mm, 1088x1288x110mm, 1288x1588x110mm
Material	stainless steel or
Material	steel, lacquered

Customization on Request

FSR-RMP & FSR-RMS Floor Scale Ramps

SP-scale

Category	
Brand	Tscale
Product group	Access ramp

Construction	
Dimension (W×D×H)	1250×740×90 mm
Material	steel, lacquered or s/s selectable

Packing & Shipping	
Dimensions packaging (W×D×H)	1300×890×105 mm
Shipping method	Freight
Net weight approx.	60 kg
Gross weight approx.	60 kg
Shipping weight	59,5 kg

Access ramp incl.pair of base plates to facilitate access of e.g.wire cage trolleys,shelf trolleys, container trolleys,storage trolleys,sack trucks, transpallets,mobile containers,containersrefuse etc. Mild steel or stainless steel selectable
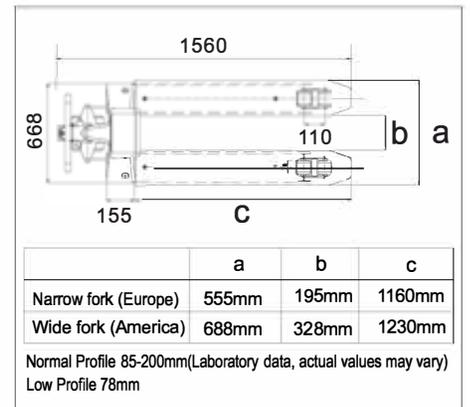
Customization on Request

SP-scale

PALLET TRUCK SCALES

PTS Pallet Truck Scale

CE (OIML) M

TPS-I   TPS-II

	a	b	c
Narrow fork (Europe)	555mm	195mm	1160mm
Wide fork (America)	688mm	328mm	1230mm

Normal Profile 85-200mm(Laboratory data, actual values may vary)
Low Profile 78mm

Features

Integrated pallet truck and scale at one device, save time and cost
Function include: net/gross, change weighing unit, accumulation
Optional thermal printer, print width 50mm, speed up to 80mm/s
Check the weighing capacity which is in use at the press of a button (net/gross weight)

85mm Low fork height, narrow (555mm) or wide (688mm) fork selectable
Pivot range 180°
Castors: Solid rubber on aluminum rims
3 Load rollers: Tandem tyres to overcome thresholds and obstacles more easily

Technical Data

Display: LCD display, digit height 52 mm with white color LED backlight

Operation temperature: -10 °C/40 °C
Power: Rechargeable battery pack internal, Lead acid battery 6V/10Ah
Dimension:
   Narrow version 1630x668x1210mm
   Wide version 1560x555x1210mm
Net weight: 160kg

Accessories

■ Optional thermal printer

Standard

UNIT   SUM   BATTERY

Factory Option

INT-VER

Model	Weighing Capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]
PTS-S1-2000-NF	2000 kg	0.5 kg	-	10 kg
PTS-O1-2000-WF	2000 kg	1 kg	1 kg	20 kg
PTS-S2-2000-NF	2000 kg	0.5 kg	-	10 kg
PTS-O2-2000-WF	2000 kg	1 kg	1 kg	20 kg

PTB Pallet truck Scale
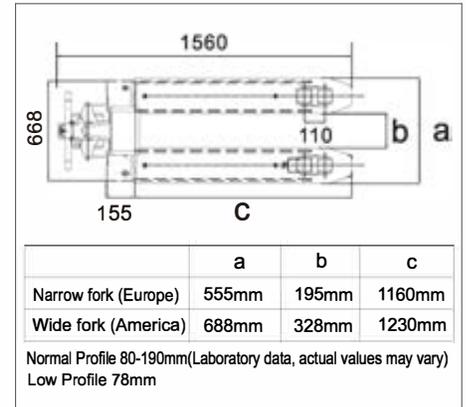
CE · OIML · M · NTEP

	a	b	c
Narrow fork (Europe)	555mm	195mm	1160mm
Wide fork (America)	688mm	328mm	1230mm

Normal Profile 80-190mm(Laboratory data, actual values may vary)
Low Profile 78mm

Features

Integrated pallet truck and scale at one device, save time and cost
Function include: net/gross, change weighing unit, accumulation
Check the weighing capacity which is in use at the press of a button (net/gross weight)
85mm Low fork height, narrow (555mm) or wide (688mm) fork selectable

Pivot range 180°
Castors: Solid rubber on aluminum rims
3 Load rollers: Tandem tyres to overcome thresholds and obstacles more easily

Technical Data

Display: digit height 52 mm, LCD display with white LED backlight
Operation temperature: -10 °C/40 °C

Power: Rechargeable battery pack internal, Lead acid battery 6v/10Ah for TPB
Battery life: Approx.20 Hours (with backlight), Approx.40 Hours (without backlight)
Dimension: 1630x 555(688 for wide fork version) x 1210mm
Net weight: 160kg

Standard

UNIT · SUM · BATTERY

Factory Option

INT-VER · RECEIPT

Model	Weighing Capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]
PTB-2	2000 kg	0.5 kg	-	10 kg
PTB-5	5000 lb	1 lb	-	20 lb

RoHS CE

General Specifications

- Display   22mm digits high LCD display, with LED backlight
- Capacities   1t, 2t
- Keyboard   6 keys(Mechanical switch)
- Housing   Mild steel, ABS plastic indicator
- Max. Divisions   2,000d
- ADC   Sigma delta
- ADC update   ≤1/10 second
- Operate Temp   0℃～+40℃
- Power   AC adapter (12V/500mA), optional Ni-MH batteries (1.2V/2000mAh x 6)
- Gross Weight   150kg
- Packing   (Wide Fork) carton packing, dimension $0.82m^3$, 40 feet container can load 56 machine, 20 feet container can load 28 machine
  (Narrow Fork) carton packing, dimension $0.60m^3$, 40 feet container can load 80 machine, 20 feet container can load 40 machine

- Instant weight readings are available as soon as the forks are raised
- Application: 1. Weighing units conversion 2. Net/gross shift 3. Accumulation
- Easy access junction box
- Rugged construction for long life
- Rechargeable battery provide up to 40 hours of continuous use (without backlight)

PTR Pallet Truck Scales

Model Name	Capacity	Readability	Division	Approx. weight	Approval
PTR-1t	1t	0.5kg	2,000d	160kg	CE
PTR-2t	2t	1kg	2,000d	160kg	CE

Options

Print formats

```
NO.:          1
GS:      4.240KG
```

```
DATE: 2012/03/07
TIM   19:06:37
NO.:          1
GS:      4.235KG
```

```
DAT   2012/03/07
TIME: 19:08:26
NO.:          2
NT:      4.235KG
TW:      1.810KG
GW:      6.045KG
```

```
DATE: 2012/03/07
TIME: 19:09:03
NO.:          1
GS:      4.235KG
TOTAL:   4.235KG
```

Dimensions(mm)

	a	b	c
Narrow fork(Europe)	555mm	195mm	1160mm
Wide fork(America)	688mm	328mm	1230mm

```
DATE: 2012/03/07
TIME: 19:10:48
NO.:          3
NT:      4.235KG
TW:      1.810KG
GW:      6.045KG
TOTAL:  12.705KG
```

```
DATE: 2012/03/07
TIME: 19:10:54
          TOTAL
*******************
NO:           3
Total   12.705KG
```

Normal Profile 85-200mm
Low Profile 78mm