

# Scales & Balances



Scales & Balances

SG Station - Medium and Large

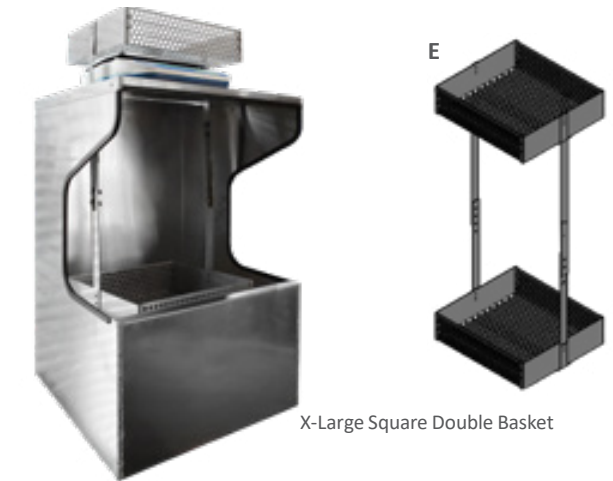
Scale not Included, as we have a number of different options available.

Procedure

- 1. Dry the sample at 110°C for a period of 24 hours ± 4 hours. This will remove any trapped moisture from the interior of the sample and ensure that a true dry bulk density is achieved. After drying, allow the samples to return to room temperature prior to testing.
- 2. Determine the dry weight of the sample and record this weight as W.
- 3. Fill the water tub and set up the scale to be bottom loading. The water level in the tub should be deep enough to fully cover the sample in the basket. Allow the water to come to room temperature and then check that the water is at 20-23°C and at a specific gravity of approximately 1.
- 4. Attach the sample basket to the bottom of the scale as shown in the diagram below. Make sure to tare the scale out prior to starting testing.
- 5. Place the sample into the basket and record the weight as the suspended weight (S).
- 6. Calculate the volume (V) as the difference between the original dry weight (W) and the suspended weight, S.
- 7. Calculate the bulk density by dividing the dry weight (W) by the volume (V).

	SKU	DESCRIPTION	SIZE
A	1150-04001	SG Station + Medium SS Hanging Basket	Medium
B	1150-04002	SG Station + Medium V Style Double Basket	Medium
C	1150-04000	SG Station + Large SS Hanging Basket	Large
D	1150-04003	SG Station + Large V Style Double Basket	Large
E	1150-04004	SG Station + X-Large Square Double Basket	X Large

Specific Gravity =  $\frac{\text{Mass of the Object}}{\text{Mass of the Water}}$  =  $\frac{M_{\text{Object}}}{M_{\text{H}^2\text{O}}}$



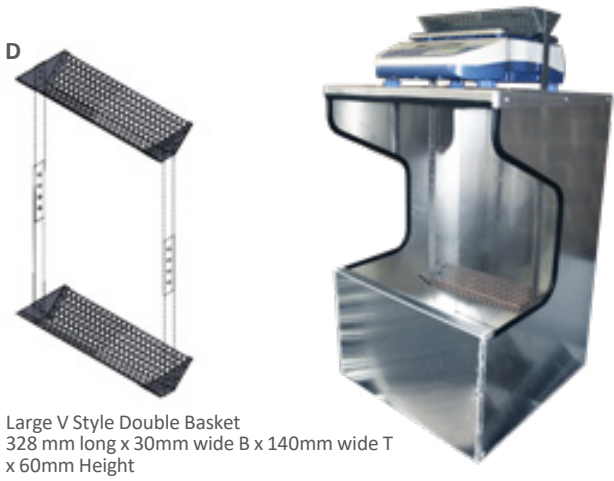
X-Large Square Double Basket



Medium SS Hanging Basket  
200mm long x 150mm wide x 150mm Height

Medium V Style Double Basket  
328mm long x 65mm wide x 160mm Top x 30mm Base

Hanging Basket - Large  
350mm long x 150mm wide x 150mm Height  
Underhook Scales are suitable for these SG Stations.



Large V Style Double Basket  
328 mm long x 30mm wide B x 140mm wide T  
x 60mm Height

Scales & Balances

Cruiser (CKT) Bench Checkweighing Scales

Scales are available in two Styles, Scales with Under Hook and Scales without Under Hook.

**Note:** Under Hook scales are suitable to be ordered for SG Stations with Hanging baskets.

Ideal for use in warehouses, manufacturing processes, and production facilities, Cruiser CCT counting scales are practical for any counting application. Quickly check the number of pieces in a carton or container to reduce waste when filling orders or packing shipments. Intuitive software is user-friendly and keeps track of the count, automatically optimising the unit weight for greater accuracy. For fast configuration and easy operation, the CCT stores up to 140 PLUs in memory. The programmable backlit display can be customised to be “always on,” “always off” or to light only when weighing.

- Applications: parts counting, checkweighing, check counting, accumulation of weight, percentage weighing, net total weighing
- Backlit display changes colour for quick notification of checkweighing limits
- Colour-coded keys facilitate quick recognition of the most frequently used buttons
- Large, grade 304 stainless steel pan allows easy cleaning
- RS-232 interface is available to provide speedy connection to computers and printers
- Optional USB interface simplifies data communication
- The sealed keypad protects against dirt and spills
- Solid ABS housing is durable for industrial use
- Adjustable levelling feet help optimise setup
- Drip channels help divert spills away from the scale internal components
- Checkweighing with audible alarm
- Internal counting resolution of 1:600,000 for precise results
- Parts counting optimisation automatically refines piece weight as parts are added
- Parts counting with freely selectable sample sizes
- Preset tare function speeds the process of repetitive weighing
- Programmable auto power-off to save energy
- Rechargeable battery included for operation almost anywhere



SKU	CAPACITY
With Under Hook - To Use With Hanging Baskets	
1150-00011-KT4H	4000g x 0.1g CKT 4-UNDERHOOK
1150-00011-KT8HH	8000g x 0.2g CKT 8-UNDERHOOK
1150-00011-KT8H	8000g x 0.1g CKT 8H-UNDERHOOK
1150-00112-KT16H	16kg x 0.5g CKT 16-UNDERHOOK
1150-00011-KT32H	32kg x 1g CKT 32-UNDERHOOK
1150-00011-KT48H	48kg x 2g CKT 48-UNDERHOOK
No Under Hook - To Use With V Baskets	
1150-00014-08UH	8kg x 0.05g CKT 8UH
1150-00014-UH16	16kg x 0.1g CKT 16UH
1150-00014-32UH	32kg x 0.2g CKT 32UH
1150-00014-48UH	48kg x 0.5g CKT 48UH
1150-00012-CKT04	4000g x 0.1g CKT 4
1150-00012-CKT08	8000g x 0.2g CKT 8
1150-00012-CKT8H	8000g x 0.1g CKT 8H
1150-00112-CKT16	16kg x 0.5g CKT 16
1150-00112-CKT32	32kg x 1g CKT 32
1150-00112-CKT48	32kg x 1g CKT 48

Check our website for the Cruiser (CKT) Bench Checkweighing Scales comparison table.

Scales - Scout Portable Balance

- Stabilisation Time: 1s
- Linearity: 0.2g
- Pan Construction: Stainless Steel
- Operating Temperature: 50°F – 104°F, 80%RH, non-condensing (10°C – 40°C, 80%RH, non-condensing)
- Dimensions Overall: 54mm h x 224mm l x 202mm w
- Battery Life: 80 Hours with disposable batteries

SKU	READABILITY	PAN SIZE	CAPACITY
1141-00411	0.1g	224 x 202mm	6.2kg

Used on the SG Station.





Scales & Balances

Aqua Washdown Scales

Built to withstand the harshest working conditions, Aqua washdown scales are rated IP67 and feature a large removable stainless steel weighing pan. Ideal for industrial environments, precision load technology enables improved performance and greater efficiency during weighing and counting tasks. The dual 20mm-high digit front and rear displays enhance visibility and productivity for the user. Checkweighing is simple, with separate high, OK and low coloured LED indicators that change colour to alert the operator if a sample is under, over or within preset limits. Power is supplied by AC adapter or rechargeable battery, and auto power-off conserves battery life.

SKU	CAPACITY
1150-00902-ABW4	4kg x 0.1g AQUA ABW 4S
1150-00902-ABW8	8kg x 0.5g AQUA ABW 8S
1150-00902-ABW16	16kg x 1g AQUA ABW 16S
1150-00902-ABW32	32kg x 2g AQUA ABW 32S



Model	ABW 4	ABW 8	ABW 16	ABW 32
SKU	1150-00902-ABW4	1150-00902-ABW8	1150-00902-ABW16	1150-00902-ABW32
Capacity	4kg	8kg	16kg	32kg
Readability	0.5g	1g	2g	5g
Repeatability	1g	2g	5g	10g
Linearity	1g	2g	5g	10g
Pan Size	245x180mm			300x210mm
Weighing Units	g, kg, lb, oz, lb:oz			
Stabilisation Time (sec)	1			
Calibration	External			
Display	Dual-display LED with 20mm-high digits			
Power Supply	12VDC 800mA adapter, Internal rechargeable battery			
Operating Temperature	0° to 40°C			
Housing	ABS plastic			
Overall Dimensions	255x290x105mm			300x310x105mm
Net Weight	2.5kg			

- Get the Aqua scales wet without worry, the IP67 scale performs effortlessly and accurately no matter how rigorous the application.
- Application: weighing, parts counting, percentage weighing, checkweighing
  - IP67-rated for protection against water and dust
  - External calibration allows for verification and adjustment with weights
  - The sealed keypad protects against dirt and spills
  - Overload protection helps prevent damage to internal components
  - Solid ABS housing is durable for industrial use
  - Heavy-duty rubber feet ensure the stability of the unit
  - Bright LED display for easy viewing in most environments
  - Checkweighing LEDs clearly show under, over and within acceptable limits
  - Front and rear 20mm LED displays to allow for dual use
  - Zero-tracking feature ensures the display returns to zero reading
  - The auto power-off feature conserves battery life
  - Rechargeable battery included for operation almost anywhere
  - The stabilisation time of within 1 second
  - AC adapter included



Scales & Balances

Aqua Washdown Stainless Steel Scales

For ultimate dependability, the Aqua ABW-S boasts IP68 washdown protection, meaning it’s suitable for weighing messy or dusty materials in demanding environments. In addition to the easy-to-clean grade 304 stainless steel housing and platform, the pan is removable for hygienic maintenance. Overload protection helps safeguard the scale against accidental overloads for a reliable, long-lasting weighing solution. Well-suited for food processing, batching and packaging, the Aqua offers features designed to improve productivity. The bright LED displays clearly show results in the front and rear of the scale, allowing multiple users to use the same scale, while hidden colour-changing indicators light up during checkweighing to show if results are over, under or within preset limits. Percentage weighing makes baking and recipe batching effortless, while part counting speeds up packaging tasks. Take advantage of the internal rechargeable battery for operation anywhere, including areas where access to power is limited. The Aqua’s quick stabilisation time means weighing tasks are faster and more efficient.



- Complete protection whatever the application. With grade 304 stainless steel, this IP68 bench scale looks the part.
- Applications: weighing, checkweighing, percentage weighing, parts counting
  - IP68-rated for protection against water and dust
  - Grade 304 stainless steel casing for a premium, professional look, easy cleaning and ultimate durability
  - The sealed keypad protects against dirt and spills
  - Clear, hidden-until-needed function indicators keep the focus where it’s needed
  - Heavy-duty rubber feet for stability when weighing
  - Front and rear 20mm LED displays allow for dual use
  - Bright LED displays front and rear for easy viewing in most environments
  - External calibration allows for verification and adjustment with weights
  - Overload protection helps prevent damage to internal components
  - Auto power-off feature conserves battery life
  - Rechargeable battery for operation almost anywhere
  - AC adaptor included
  - Stabilisation time of within 1 second

SKU	CAPACITY
1150-00115-BW4S	4kg x 0.1g ABW 4S
1150-00115-BW8S	8kg x 0.5g ABW 8S
1150-00115-BW16S	16kg x 1g ABW 16S
1150-00115-BW32S	32kg x 2g ABW 32S

Model	ABW 4S	ABW 8S	ABW 16S	ABW 32S
SKU	1150-00115-BW4S	1150-00115-BW8S	1150-00115-BW16S	1150-00115-BW32S
Capacity	4kg	8kg	16kg	32kg
Readability	0.1g	0.5g	1g	2g
Repeatability	0.2g	1g	2g	5g
Linearity	0.2g	1g	2g	5g
Pan Size	245x180mm			300x210mm
Weighing Units	g, kg, lb, oz, lb:oz			
Stabilisation Time (sec)	1			
Calibration	External			
Display	Dual-display LED with 20mm-high digits			
Power Supply	12VDC 50/60Hz 800mA adapter, Internal rechargeable battery			
Operating Temperature	0° to 40°C			
Housing	Stainless steel top housing with ABS plastic base			
Battery Life	55 hours			
Overall Dimensions	255x290x105mm			300x310x105mm
Net Weight	2.5kg			

Scales & Balances

Gladiator Washdown Scale

Combining durability and performance, Gladiator scales achieve washdown weighing tasks in the most demanding industrial and pharmaceutical applications. With an IP67 rating for washdown capabilities, Gladiator features easy-to-clean stainless steel construction that is ideal for wet and dusty environments. Connectors on the bottom are IP67-rated for thorough protection. Gladiator expedites checkweighing with a large, back-lit display that changes colour to show if the weight is over, under or within the set limit. Designed for maximum efficiency, Gladiator features a tactile keypad with large, colour-coded keys for easy operation.



- Applications: weighing, parts counting, percentage weighing, checkweighing, check counting, display hold, peak hold, dynamic weighing, net/gross
- Back-lit display changes colour for quick notification of checkweighing limits
- Large, grade 304 stainless steel pan allows easy cleaning
- Rugged stainless steel housing for ultimate durability
- Heavy-duty rubber feet ensure the stability of the unit
- The sealed keypad protects against dirt and spills
- Colour-coded keys facilitate quick recognition of the most frequently used buttons
- RS-232 interface is available to provide speedy connection to computers and printers
- External calibration allows for verification and adjustment with weights
- Hold function freezes the displayed weight, allowing time to elapse without losing the result
- Parts counting with preset sample sizes
- Selectable digital filtering for animal/dynamic weighing enables consistent results for moving subjects
- IP67-rated for protection against water and dust
- Rechargeable battery included for operation almost anywhere
- Programmable auto power-off to save energy



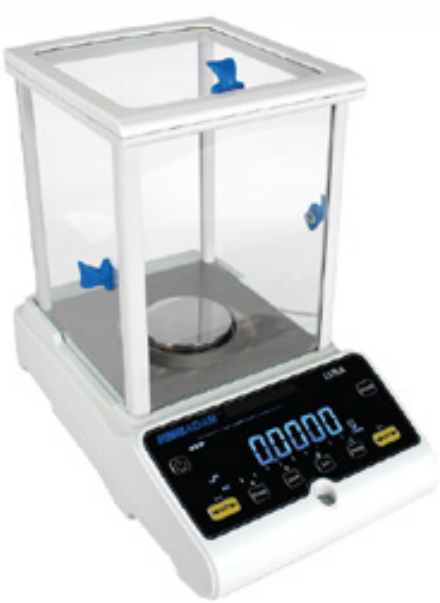
SKU	CAPACITY
1150-00905-GS8	8kg x 0.2g GGS 8
1150-00905-GS16	16kg x 0.5g GGS 16
1150-00905-GS35	35kg x 1g GGS 35
1150-00905-GB35	35kg x 1g GGB 35
1150-00905-GB75	75kg x 2g GGB 75
1150-00905-GF150	150kg x 5g GGF 150
1150-00905-GF75	75kg x 2g GGF 75
1150-00905-GL150	150kg x 5g GGL 150
1150-00905-GL300	300kg x 0.01g GGL 300
1150-00905-GF75H	75kg x 1g GGF 75H

Check our website for the Gladiator Washdown Scales comparison table.

Scales & Balances

Analytical Luna Lab Scales

Luna analytical balances are designed with an array of features and functions that accommodate most lab applications. The Luna range offers improved performance for faster, more accurate readings. With stylish, modern back-lighting, Luna’s impressive display gives an aura of smart sophistication. The LCD features large, readily discernible 24mm digits in white on a black background. Multilingual text and display capability make Luna well-suited for users in various regions.



- For simple operation, navigation buttons are colour-coded, helping users perform functions with minimal training. Luna provides USB and RS-232 interfaces to facilitate data collection and transmission to computers or printers. ABS plastic construction and rugged grade 304 stainless steel pan mean Luna is easy to clean and can withstand demanding lab use. Available in four models with capacities up to 250g, Luna offers readability of 0.0001g and can perform basic and detailed measuring tasks.
- Available as a set which includes scale, plastic beaker and a full set of charts.
  - Requires no reference to separate charts or tables, saves time and prevents errors in calculations.
  - Simply hang the filled container on the scale hook, read the information directly from the scale.
  - High quality internal parts ensure trouble-free operation and long life.
  - A majority of the internal components are manufactured in stainless steel or advanced polymers.
  - The scales correlates the specific gravity of the ore with the percent solids of the pulp.
  - This information is displayed on a circular scale for several specific gravities by use of a simple weigh scale.



SKU	CAPACITY
1150-00900-124E	120g x 0.0001g 124e
1150-00900-124I	120g x 0.0001g 124i
1150-00900-214E	210g x 0.0001g 214e
1150-00900-214I	210g x 0.0001g 214i
1150-00900-254E	250g x 0.0001g 254e
1150-00900-254I	250g x 0.0001g 254i
1150-00900-84E	80g x 0.0001g 84e
1150-00900-84I	80g x 0.0001g 84i



Check our website for Analytical Luna Lab Scales comparison table.



Scales & Balances

Luna Precision Scales

Featuring a wide selection of capacities and readabilities, Luna precision balances can meet the diverse weighing needs in a variety of labs. The Luna range offers improved performance for faster, more accurate readings. Luna combines durability and performance in a stylish design, with an LCD that delivers results in large 24mm digits in white on a black background. Suitable for international use, Luna provides a useful multilingual text and display capability. RS-232 and USB connections allow speedy connection with computers and printers to transmit results. Designed to tolerate demanding lab tasks, Luna is constructed with easy-to-clean ABS plastic construction and a durable grade 304 stainless steel pan.



- Applications: weighing, parts counting, percentage weighing, dynamic weighing, density determination, checkweighing, net total weighing
- Vivid, backlit LCD easily visible in any lighting conditions
- Colour-coded keys facilitate quick recognition of the most frequently used buttons
- Easy setup with level indicator and adjustable feet ensure optimum weighing results
- Security slot for optional Kensington-type lock and cable to help prevent theft
- Large, grade 304 stainless steel pan allows swift cleaning
- The sealed keypad protects against dirt and spills
- USB and RS-232 interfaces provide speedy communication with computers and printers
- External calibration allows for verification and adjustment with weights
- Multilingual display permits use in various regions
- Parts counting with preset sample sizes
- Printouts include the date and time for data tracking within Good Laboratory Practices (GLP) guidelines
- Selectable digital filtering for animal/dynamic weighing enables consistent results for moving subjects
- Auto power-off to save energy
- AC adapter included

Check our website for Luna Precision Scales comparison table.



Scales & Balances

PTT Pallet Truck Scale - 2000kg x 0.5kg

Offering an all-in-one solution, the PTT Pallet Truck Scale combines the power of a 2000kg capacity heavy-duty pallet truck scale with the convenience of a built-in label printer. The PTT features solid steel pallet forks, wheels that swivel for easy movement and an audible alarm that indicates when capacity is exceeded. A versatile and practical choice, PTT is ideal for transporting heavy objects and goods on pallets, as well as recordkeeping and inventory. An internal rechargeable battery allows long periods of continual use, while colour-coded keys and a large LCD display with 34mm digits provide visibility under even the poorest of lighting conditions. The PTT also features a range of integrated applications,

SKU
1150-00903-PTT



including accumulation, hold, parts counting and checkweighing. The PTT includes easy-to-use PC software that allows the 50mm-wide printed labels to be quickly tailored to any requirement with the addition of custom logos, images, barcodes and QR codes.

- Applications: weighing, parts counting, percentage weighing, checkweighing, dynamic weighing, accumulation, display hold, peak hold, barcode/label printing
- The built-in printer can print weight, QR codes, bar codes and labels in numerous languages
- Vivid, backlit LCD easily visible in any lighting conditions
- Programmable backlight can be set to “always on,” “always off” or “light only when weighing”
- Colour-coded keys facilitate quick recognition of the most frequently used buttons
- RS-232 interface provides a speedy connection to computers and printers
- Rugged construction stands up to industrial use
- The sealed keypad protects against dirt and spills
- Checkweighing with audible alarm
- Parts counting optimisation automatically refines piece weight as parts are added
- Rechargeable battery included for operation almost anywhere
- AC adapter included
- Wheels swivel, allowing easy movement
- Zero-tracking feature ensures the display returns to zero reading

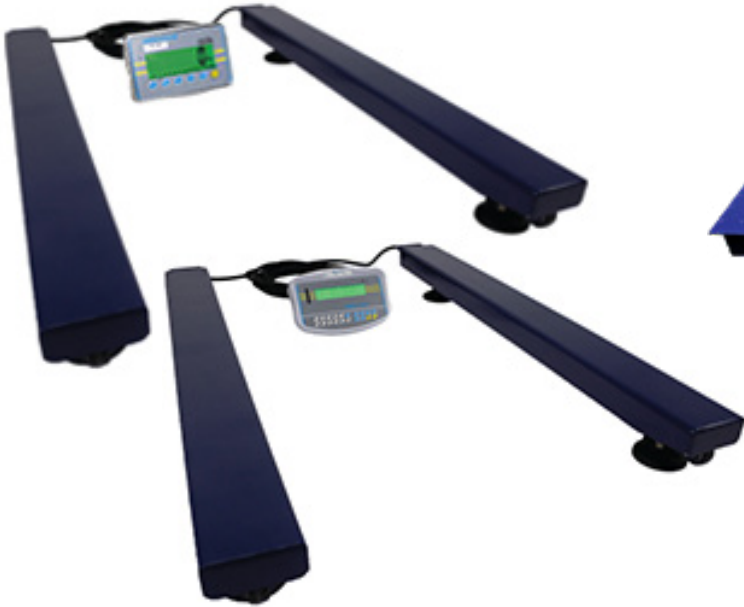
Model	PTTplus 2000
SKU	1150-00903-PTT
Maximum Capacity	2000kg
Readability	0.5g
Repeatability (S.D.)	1kg
Linearity (+/-)	1kg
Fork Size	1150x160mm
Weighing Units	kg,lb, lb:oz, oz, ct, dr, mm, T, tonne
Stabilisation Time (sec)	2
Interface	RS-232
Calibration	External calibration
Display	Backlit LCD with 34mm-high digits
Power Supply	Hard wired mains cable/Internal rechargeable battery
Operating Temperature	-10° to 40°C
Housing	Mild steel base / ABS plastic
Overall Dim.	550x1525x1175mm (wxdxh)
Net Weight	125kg

Scales & Balances

Heavy Duty Scales

- Applications: Weighing, parts counting, percentage and dynamic weighing, checkweighing, checkcounting
- Rugged construction stands up to industrial use
- Chequered plate surface for added grip
- Approximately three-meter shielded cable
- Four load cell construction
- Overload protection
- Mild steel construction
- Standard with GK Indicator (Compatible also with AE402, GK-M or GC indicators)
- Mains and rechargeable battery power

SKU	CAPACITY
1150-00751	1000kg x0.2kg WITH GK INDICATOR
1150-00752	3000kg x0.5kg WITH GK INDICATOR
1150-00073-AE	PALLET WEIGHT BEAMS 2000kg x 0.5kg WITH AE402 INDICATOR
1150-00073-GK	PALLET WEIGHT BEAMS 2000kg x 0.5kg WITH GK INDICATOR



Indicators AE402



SKU
1150-00057-AE

Indicators GK



SKU
1150-00057-GK

Scales & Balances

PTS Pallet Truck Scale 2000kg x 0.5kg

Offering an all-in-one solution, the PTT Pallet Truck Scale combines the power of a 2000kg capacity heavy-duty pallet truck scale with the convenience of a built-in label printer. The PTT features solid steel pallet forks, wheels that swivel for easy movement and an audible alarm that indicates when capacity is exceeded.

A versatile and practical choice, PTT is ideal for transporting heavy objects and goods on pallets, as well as recordkeeping and inventory. An internal rechargeable battery allows long periods of continual use, while colour-coded keys and a large LCD display with 34mm digits provide visibility under even the poorest of lighting conditions.



SKU
1150-00903-PTS



The PTT also features a range of integrated applications, including accumulation, hold, parts counting and checkweighing. The PTT includes easy-to-use PC software that allows the 50mm-wide printed labels to be quickly tailored to any requirement with the addition of custom logos, images, barcodes and QR codes.

- Applications: weighing, parts counting, percentage weighing, checkweighing, dynamic weighing, accumulation, display hold, peak hold, barcode/label printing
- The built-in printer can print weight, QR codes, bar codes and labels in numerous languages
- Vivid, backlit LCD easily visible in any lighting conditions
- Programmable backlight can be set to “always on,” “always off” or “light only when weighing”
- Colour-coded keys facilitate quick recognition of the most frequently used buttons
- RS-232 interface provides a speedy connection to computers and printers
- Rugged construction stands up to industrial use
- The sealed keypad protects against dirt and spills
- Checkweighing with audible alarm
- Parts counting optimisation automatically refines piece weight as parts are added
- Rechargeable battery included for operation almost anywhere
- AC adapter included
- Wheels swivel, allowing easy movement
- Zero-tracking feature ensures the display returns to zero reading

Model	PTSplus 2000
SKU	1150-00903-PTS
Maximum Capacity	2000kg
Readability	0.5g
Repeatability (S.D.)	1kg
Linearity (+/-)	1kg
Fork Size	1150x160mm
Weighing Units	kg, lb, lb:oz
Stabilisation Time (sec)	2
Interface	RS-232
Calibration	External calibration
Display	Backlit LCD with 40mm-high digits
Power Supply	Hard wired mains cable/Internal rechargeable battery
Operating Temperature	-10° to 40°C
Housing	Mild steel base, IP67 rated indicator
Overall Dim.	550x1525x1175mm (wxdxh)
Net Weight	125kg



Scales & Balances

Pulp Density Scales

- Available as a set which includes scale, plastic beaker and a full set of charts.
- Requires no reference to separate charts or tables, saves time and prevents errors in calculations.
- Simply hang the filled container on the scale hook, read the information directly from the scale.
- High quality internal parts ensure trouble-free operation and long life.
- A majority of the internal components are manufactured in stainless steel or advanced polymers.
- The scales correlates the specific gravity of the ore with the percent solids of the pulp.
- This information is displayed on a circular scale for several specific gravities by use of a simple weigh scale.



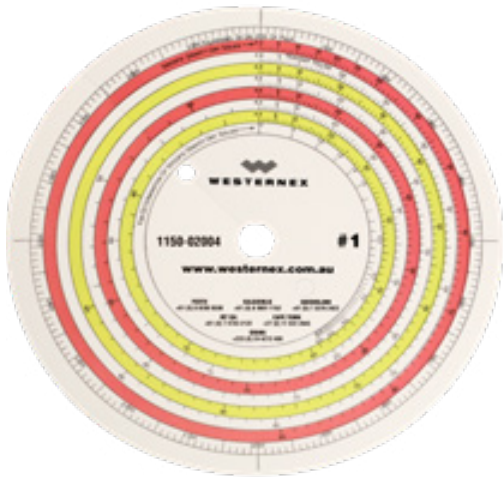
Density Charts

The chart sets are applicable of a wide range of solids, light or heavy density. Interchangeable are provided to cover the range in small specific gravity increments.

- Full Set No 1-12
- No 1 - Gravity Range (2.2 - 4.4)
- No 2 - Gravity Range (1.2 - 1.8)
- No 3 - Gravity Range (1.7 - 1.3)
- No 4 - Gravity Range (2.2 - 2.8)
- No 5 - Gravity Range (2.6 - 3.2)
- No 6 - Gravity Range (3.0 - 3.6)
- No 7 - Gravity Range (3.4 - 4.0)
- No 8 - Gravity Range (3.8 - 4.4)
- No 9 - Gravity Range (4.2 - 4.8)
- No 10 - Gravity Range (4.6 - 5.8)
- No 11 - Gravity Range (5.6 - 6.8)
- No 12 - Gravity Range (6.6 - 7.8)

- The simplicity of the scale along with its many applications have made this a common feature at concentrators throughout the world.
- The scale can be used for fast, accurate percent solids determinations at various points through-out a concentrator, enabling adjustments to be made to keep, for example, a grinding circuit running effectively.
- A full inventory of spare parts and accessories is always available including buckets and charts.
- All our charts and buckets are interchangeable with the Marcy Brand Pulp Density Scale Pulp Density Scales are often referred to as Pulp Density Balance, Specific Gravity Scale, Density Balance, Density Scale, Marcy Scale.

Dial face numbers listed below are provided with your scale							
Chart #1	S.G 2.2	2.6	2.8	3.2	3.6	4	4.4
Chart #2	1.2	1.3	1.4	1.5	1.6	1.7	1.8
Chart #3	1.7	1.8	1.9	2	2.1	2.2	2.3
Chart #4	2.2	2.3	2.4	2.5	2.6	2.7	2.8
Chart #5	2.6	2.7	2.8	2.9	3	3.1	3.2
Chart #6	3	3.1	3.2	3.3	3.4	3.5	3.6
Chart #7	3.4	3.5	3.6	3.7	3.8	3.9	4
Chart #8	3.8	3.9	4	4.1	4.2	4.3	4.4
Chart #9	4.2	4.3	4.4	4.5	4.6	4.7	4.8
Chart #10	4.6	4.8	5	5.2	5.4	5.6	5.8
Chart #11	5.6	5.8	6	6.2	6.4	6.5	6.6
Chart #12	6.6	6.8	7	7.2	7.4	7.6	7.8



SKU	DESCRIPTION
1150-02003	Full Set No 1-12

Scales & Balances

Determining the Specific Gravity of Dry Solids

The desired sample should be dry and between 10 mesh and 100 mesh (Tyler). Hang the dry, empty container on the scale and pour in the dry sample of dry material until the pointer indicates 1.000 Kilograms on the outer ring of the dial (the container now has 1.000 Kg of material in it). Pour the sample onto a rolling cloth or sheet of paper. Fill the container one third full with clear water and gradually stir in the dry sample. Insure that the sample is thoroughly wet and that air bubbles are eliminated. Hang the container on the scale and add clear water up to the overflow holes. Read the dry solids specific gravity on the innermost ring of the dial chart.



Density Bucket

- Manufactured from strong and durable plastics, one litre container with overflow holes and handle
- The plastic container resists the action of Alkalis and acids, and is easy to keep clean
- It is difficult to break and will not dent, assuring constant volume measurement
- Slotted overflow openings permit easy and accurate filling to exactly 1000cc

SKU	MATERIAL	SIZE
1150-02001	Plastic	1 Litre
1150-02002	Stainless Steel	1 Litre



Determining Percent Solids

If you know the specific gravity of the dry solids in the pulp (see determining the specific gravity of dry solids), you can directly read the percentage in the pulp on the dial chart. Select the correct dial face for the particular dry solid specific gravity in the pulp. Hang the filled container on the scale. The percent solids in the pulp read clockwise from the specific gravity number on the green, white and red rings of the dial chart.

Example:  
A reading of 44% solids at 2.2 specific gravity also reads 39% solids at 2.6 specific gravity and 35% solids at 3.2 specific gravity.

Calibration Weight Set 1g - 200g

OIML weight sets include a complete group of test weights that can meet requirements for testing to OIML standards. E2 weight sets provide a high level of accuracy and are ideal for calibrating analytical and precision balances. M1 weight sets offer a lower level of accuracy, but are affordable and ideal for calibrating compact portable balances and bench scales.

- Weights included: 1g, 2g(2), 5g, 10g, 20g(2), 50g, 100g, 200g
- Density: 7.96g/cm³
- Susceptibility: 0.01 - 0.005

SKU	DENSITY	SUSCEPTIBILITY
1150-00003	7.96g/cm³	0.01 - 0.005

Spring Balance

The spring balance scales are traditional type brass face-plate quality scales made in Germany. Ring at the top and a hook at the bottom.

SKU	SIZE
SB-12KG	12kg
SB-25KG	25kg
SB-50KG	50kg
SB-100KG	100kg

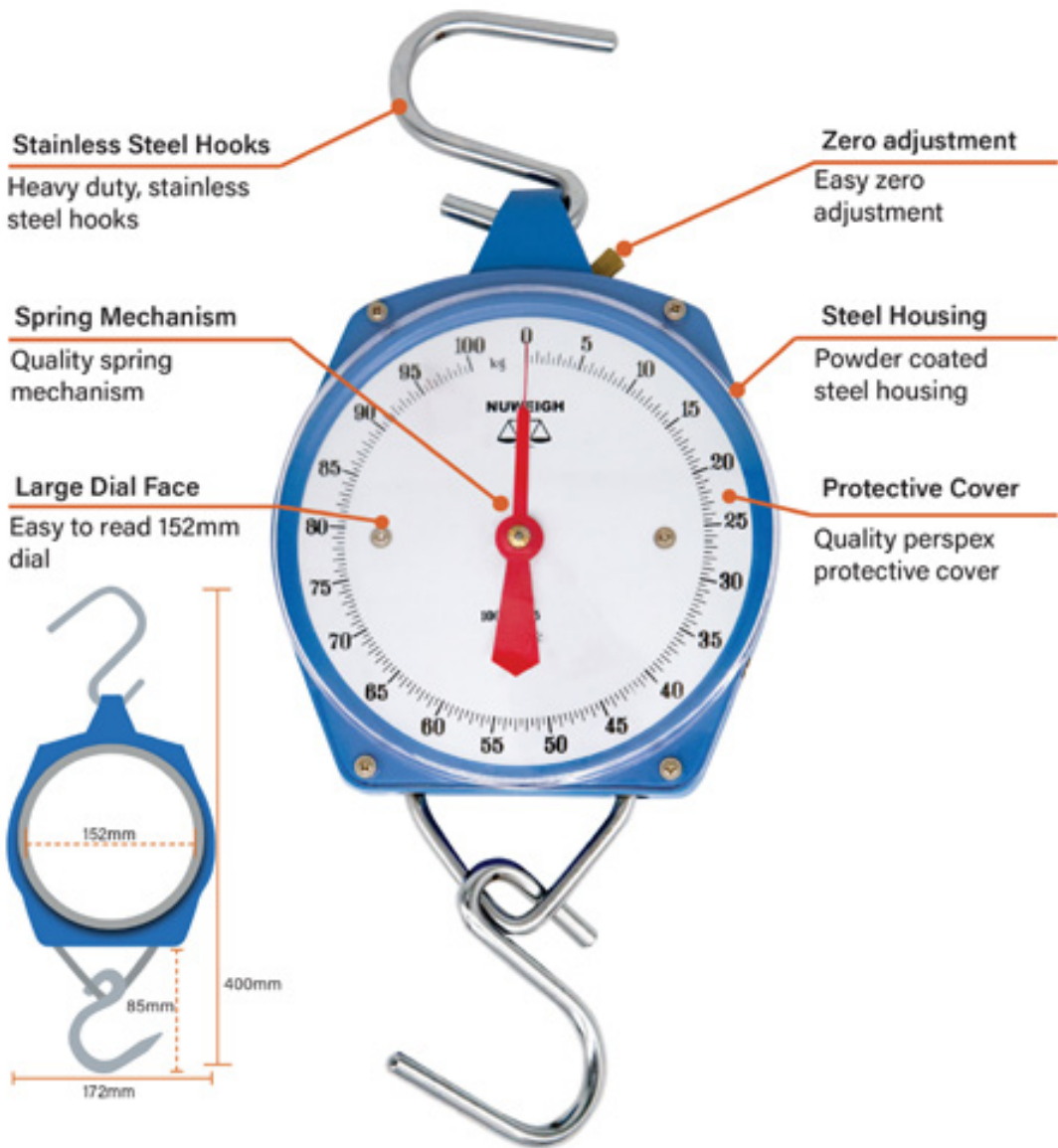


Scales & Balances

Dial Face Hanging Scale

- High-quality spring mechanism
- Heavy duty, stainless steel hooks
- Easy zero adjustment
- Powder-coated steel housing
- Quality perspex protective cover
- Easy to read 152mm dial

SKU	SIZE
1150-00505-5	5kg x 20g
1150-00505-10	10kg x 50g
1150-00505-25	25kg x 100g
1150-00505-50	50kg x 200g







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