

Sartorius Gold and Carat Balances The Highest Precision "Made in Germany"





Secure operating procedures and precise weighing results are indispensable for determining the weight of precious metals and gemstones. Fast work processes and harsh environmental conditions require robust balances that provide consistently reliable and accurate results.

Sartorius offers you a wide array of gold and carat balances. This selection of analytical and precision weighing instruments includes verified models that meet the metrological requirements for legal-for-trade weight measurements.

Sartorius GCL Carat Balances

- Draft shield with a weighing chamber height of 160 mm
- Fully automatic, built-in calibration and adjustment function
- Monolithic weigh cell
- Backlit display

Model	Weighing Capacity	Readability	Weighing Pan Size	Design
1103i*	1,100 ct	0.001 ct	90 mm Ø	1
603i*	600 ct	0.001 ct	90 mm Ø	1
303i	300 ct	0.001 ct	90 mm Ø	1
3102i*	3,100 ct	0.01 ct	115 mm Ø	2

* Model optionally available as verified for legal for trade



Design 1



Design 2



Design 3

Sartorius GL Gold Balances

- Analytical and milligram balances feature a draft shield with a weighing chamber height of 160 mm
- With fully automatic, built-in calibration and adjustment function available as an option
- Backlit display

Model	Weighing Capacity	Readability	Weighing Pan Size	Design
224*	220 g	0.0001 g	90 mm Ø	3
124*	120 g	0.0001 g	90 mm Ø	3
623*	620 g	0.001 g	115 mm Ø	4
323*	320 g	0.001 g	115 mm Ø	4
6202*	6,200 g	0.01 g	180 × 180 mm	5
3202*	3,200 g	0.01 g	180 × 180 mm	5
2202*	2,200 g	0.01 g	180 × 180 mm	5
822*	820 g	0.01 g	150 mm** Ø	6**
522*	520 g	0.01 g	150 mm** Ø	6**
8201*	8,200 g	0.1 g	180 × 180 mm	5
2201*	2,200 g	0.1 g	180 × 180 mm	5

* Model optionally available as verified for legal for trade

** Verified model featuring design 5; weighing pan 180 × 180 mm

Sartorius GBB Gold Bar Balance

- The only officially recognized electronic balance for weighing gold bars
- Conforms to the "Good Delivery Rules" of the LBMA
- The verified weight is displayed in grams and simultaneously converted to troy ounces
- Fully automatic, built-in calibration and adjustment function
- Data management via RS232 | USB | Ethernet | SD card and Alibi memory



Model	Weighing Capacity	Readability	Verification Scale Interval
14202S-OCE	14,200 g	0.01 g	0.1 g



Design 4



Design 5



Design 6

Optional Accessories

Product	Order No.
Data printer	YDP20-OCE
Paper rolls, 5 units, each with 40 m	6906937
Ink ribbon cassette	6906918
Data cable	
RS232 25-pin male USB cable, type A, length approx. 1.8 m	YCC01-USBM2
RS232 25-pin male 25-contact female, length approx. 1.5 m	7357312
RS232 25-pin male 9-contact female, length approx. 2.0 m	7357314
RS232 25-pin male 9-contact female, length approx. 0.5 m	6965619
Remote display as a second indicator	YRD03Z
External rechargeable battery pack	YRB11Z
Density determination kit	YDK06
In-use dust cover	
For models with a rectangular weighing pan	6960ED01
For models with a round weighing pan (150 mm Ø)	6960ED02
Dust cover for models with a draft shield chamber (w/sliding doors)	6960BP08
Weighing bowls for gold balances	
1,000 ml, wt. ~240 g, 186 mm Ø, ht. = 77 mm, stainless steel	641211
500 ml, wt. ~113 g, 151 mm Ø, ht. = 60 mm, stainless steel	641212
270 ml, wt. ~62 g, 137 mm Ø, ht. = 22 mm, stainless steel	YWP03G
350 ml, wt. ~75 g, 180 mm Ø, ht. = 22 mm, stainless steel	YWP04G
Weighing bowls for carat balances	
85 ml, wt. ~11 g, 83 mm Ø, ht. = 23 mm, aluminum	YWP06G
180 ml, wt. ~32 g, 90 mm Ø, ht. = 48 mm, aluminum	YWP05G

For more accessories and options, please see the Sartorius catalog and price list or visit our website.

Contact

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