

## Standard Micro-, Semi-micro-, Analytical and Precision Balances The New Sartorius CP: Unrivalled in its Performance Class



As the successor to the Sartorius Competence series, which proved its reliability on a daily basis in practical use, the Sartorius CP also sets standards in engineering, quality and features. If you want to avoid taking risks when you make the investment in a new balance, the new CP is the best choice you can make.

Whether your samples are in the micro-gram range or up to 34 g, the Sartorius CP series with its 29 models offers the right instrument for practically every weighing task in the laboratory.



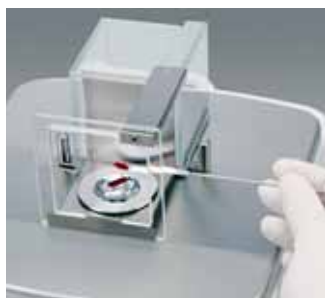
### Engineering

All balances in the Sartorius CP series are equipped with a monolithic weigh cell available only from Sartorius. This cell is not only incredibly precise, but also exceptionally reliable and durable.



And the new Sartorius CP scores winning points with further technical advantages that ensure continuous operation of the balance with the greatest possible accuracy:

Take the built-in, motorized calibration weight: Just touch the CAL key, and the balance will automatically perform internal calibration and adjustment – whenever required in your process.



And there's the isoCAL function. When the ambient temperature changes by a specific value or once a defined time interval has elapsed, isoCAL performs internal calibration and adjustment fully automatically. Therefore, the balance ensures that calibration is carried out at regular intervals, and delivers consistently high accuracy.

On top of this, the high-contrast, backlit display is exceptionally easy to read under any room lighting conditions (non-backlit micro- and semi-microbalances available).

### Quality

Not just the housing, but also the entire construction of the new Sartorius CP with its powerful core, the monolithic weigh cell, stand up to the abuse of tough daily use. The same goes for the control keys, the components on a balance that are most frequently used. Even after they have been pressed tens of thousands of times, they will continue to work precisely just like they have from day one, with positive click action for reliable activation of their respective functions.

### Features

The Sartorius CP has precisely the features you need for fast and professional processing of weighing tasks in everyday laboratory routines. This includes ISO/GLP-compliant documentation. Connected to a Sartorius YDP03-OCE data printer or a computer, the new Sartorius CP enables you to comply with documentation requirements for use in a quality management system.

The draft shield designs of the balance models featuring readabilities of 1 µg, 2 µg, 0.01 mg, 0.1 mg and 1 mg are also impressive. Both the construction and size are specially adapted to the particular readability, offering tangible assets in actual use:

- Excellent shielding from drafts
- Draft shield doors that glide open smoothly for optimal access to the weighing chamber
- Outstandingly easy-to-clean design

A bidirectional RS-232C data interface provides the ideal basis for communication; for example, with a PC.

For advanced applications, such as weighing in percent, net-total formulation, dynamic weighing or animal weighing, mass unit conversion and counting, the CP offers these easy-to-run programs as standard features.



Design 1



Design 2



Design 3



Design 4



Design 5

### Specifications

Model	Read-ability (mg)	Weighing capacity (g)	Pan size (mm)	Response time (average) (≤ s)	Repeat-ability (≤ ± mg)	Linearity (≤ ± mg)	Design
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### Microbalances

CPA2P	0.001   0.002   0.005	0.5   1   2	∅ 20	10	0.001   0.002   0.003	0.002   0.004   0.005	1
CPA2P-F	0.001   0.002   0.005	0.5   1   2	∅ 20 ∅ 125 filter pan	10	0.002   0.003   0.004	0.002   0.004   0.005	2
CPA26P	0.002   0.01	5   21	∅ 50	10	0.004	0.008	3

### Semi-microbalance

CPA225D	0.01   0.01	40   100   220	∅ 80*	6   3	0.02   0.05   0.1	0.03   0.1   0.2	4
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### Analytical balances

CPA324S	0.1	320	∅ 80*	3	0.2	0.3	5
CPA224S	0.1	220	∅ 80*	2	0.1	0.2	5
CPA124S	0.1	120	∅ 80*	2	0.1	0.2	5
CPA64	0.1	64	∅ 80*	2	0.1	0.2	5

\* Triangular weighing pan shape ∅ = Diameter of the inner circle



Design 6



Design 7



Design 8



Design 9



Design 10

## Specifications

Model	Read-ability (mg)	Weighing capacity (g)	Pan size (mm)	Response time (average) (≤ s)	Repeat-ability (≤ ± mg)	Linearity (≤ ± mg)	Design
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### Precision balances

CPA1003S**	1	1,000	∅ 110*	2	1	2	6
CPA623S	1	620	∅ 110*	1.5	1	2	7
CPA423S	1	420	∅ 110*	1.5	1	2	7
CPA323S	1	320	∅ 110*	1.5	1	2	7
CPA223S	1	220	∅ 110*	1.5	1	2	7
CPA1003P**	1   10	500   1,000	∅ 110*	2	1   10	2   20	6
CPA6202S	10	6,200	190×204	1.5	10	20	8
CPA5202S-DS**	10	5,200	∅ 130	1.5	10	20	9
CPA4202S	10	4,200	190×204	1.5	10	20	8
CPA3202S	10	3,200	190×204	1.5	10	20	8
CPA2202S	10	2,200	190×204	1.5	10	20	8
CPA2202S-DS**	10	2,200	∅ 130	1.5	10	20	9
CPA6202P	10   20   50	1,500   3,000   6,200	190×204	1.5	10   10   30	20   20   50	8
CPA10001	100	10,000	190×204	1	100	200	8
CPA8201	100	8,200	190×204	1	100	200	8
CPA5201	100	5,200	190×204	1	100	200	8
CPA34001S	100	34,000	400×300	2	100	200	10
CPA16001S	100	16,000	400×300	2	100	200	10
CPA12001S	100	12,000	400×300	2	100	200	10
CPA34001P	100   200   500	8,000   16,000   34,000	400×300	2	100   200   500	300   300   300	10
CPA34000	1,000	34,000	400×300	1.5	500	1,000	10

\* Triangular weighing pan shape ∅ = Diameter of the inner circle \*\* Equipped with the analytical balance draft shield as standard feature. All models are available in verified versions for use in legal metrology in the European Economic Area (except CPA2P, CPA2P-F, CPA2202S-DS, CPA5202S-DS, CPA1003P). Accessories available on request.