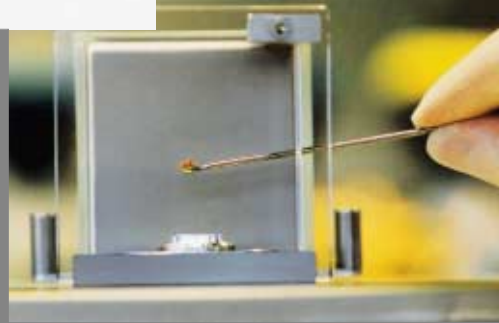




sartorius



The Sartorius Competence Series

Innovative product
variety for advanced
lab weighing in the
real world



The Sartorius CP Series

Competence from 0.001 mg to 34 kg



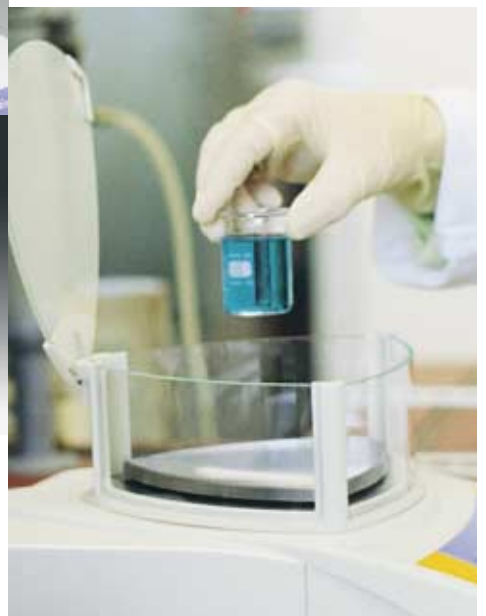
The Sartorius Competence Series – CP for short – is the widest array of basic balances for professional lab use in the world.

The CP series sets completely new standards with its unique overall concept combining innovative design and highly advanced mechatronic technology.

Twenty-five models – from 0.001 mg to 34 kg – offer high value for a variety of laboratory weighing applications. They provide an excellent return on your investment all down the line, from a microbalance to a heavy-duty “workhorse” built to handle large and heavy tare containers.

Just one glance tells you that the bold new design of the balance provides the highest level of user-friendliness. For instance, the unique new, triangular weighing pan shape on many CP models features a space-age design with down-to-earth usefulness. That means it provides more space than most common pan shapes. Another practical feature of the CP is that it is so easy to use and adapt to accommodate your weighing requirements as they change.

The new technical design of the CP has been developed according to Sartorius’ stringent guidelines that users all over the world have come to appreciate. All models feature 21st century weighing technology. This guarantees year after year of uncompromisingly excellent performance in daily weighing procedures.





The Sartorius CP Series

Competence in technology, function and design

Competence for more convenience.

We developed the functional design for the real world to ensure easy and reliable operation.

The new draft shield on the 0.001-mg model has been designed for especially user-friendly weighing of the smallest sample quantities. Its clear glass components enhance the visibility of the weighing pan. The stainless steel work area and the high-grade metal finish inside the weighing chamber make it easy to keep the microbalance clean.

For weighing filters, the CP series offers a new microbalance with a draft shield specially designed for microweighing applications.

The highly practical draft shield on the 0.01-mg and 0.1-mg models allows easy access for rapidly loading and unloading any sample because the smooth-action doors open extremely wide. All parts of the draft shield are simple to remove for easy cleaning of the weighing chamber base plate.

The draft shield on the 1-mg models features a new design for high flexibility during weighing. The hinged cover attached on one side ensures optimal loading of samples. The removable side panels provide easy access to the pan from the sides.

The new, backlit display with its exceptionally large digits is especially easy to read (CP2P, CP2P-F and CP225D without backlighting).

Competence in weighing technology.

The trend-setting technology concept of the CP sets new standards for this category of laboratory balance.

Monolithic weigh cell technology (robotically etched from a single piece of metal!) provides for outstanding metrological specifications, amazingly fast response times and an exceptionally high degree of mechanical ruggedness. For the first time, this highly innovative monolithic weighing technology has been successfully incorporated into a microbalance.

Activated at the touch of a key, the built-in motorized calibration weight in the 0.001-mg, 0.01-mg and 0.1-mg models ensures the highest weighing accuracy at any time.

The CP offers an especially high level of quality thanks to its rugged housing construction and the exclusive use of high-grade materials.

Competence in the variety of applications.

The standard features and accessories provide the flexibility you need as your requirements change.

All CP balances have an RS-232C port for communication with a PC, an analytical instrument or a robot.

All balance-generated data can be recorded or printed out in compliance with ISO | GLP protocols so that the CP can be used in a quality management system.

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



Model	Readability (mg)	Weighing capacity (g)	Pan size (mm)	Response time, average (\leq s)	Repeatability ($\leq \pm$ mg)	Linearity ($\leq \pm$ mg)	Design
Microbalances							
CP2P	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
CP2P-F	0.001 0.002 0.005	0.5 1 2	20 \emptyset Filter pan 125 \emptyset	10	0.002 0.003 0.004	0.002 0.004 0.005	2
Semi-microbalance							
CP225D	0.01 0.01 0.1	40 80 220	80* \emptyset	12 12 3	0.02 0.05 0.1	0.03 0.1 0.2	3
Analytical balances							
CP324S	0.1	320	80* \emptyset	3	0.2	0.3	3
CP224S	0.1	220	80* \emptyset	2	0.1	0.2	3
CP124S	0.1	120	80* \emptyset	2	0.1	0.2	3
CP64	0.1	64	80* \emptyset	2	0.1	0.2	3
Precision balances							
CP423S	0.001	420	110* \emptyset	1.5	0.001	0.002	4
CP323S	0.001	320	110* \emptyset	1.5	0.001	0.002	4
CP323P	0.001 0.002 0.005	80 160 320	110* \emptyset	1.5	0.001 0.001 0.003	0.002 0.002 0.005	4
CP153	0.001	150	110* \emptyset	1.5	0.001	0.001	4
CP4202S	0.01	4,200	190×204	1.5	0.01	0.02	5
CP3202S	0.01	3,200	190×204	1.5	0.01	0.02	5
CP3202P	0.01 0.02 0.05	800 1,600 3,200	190×204	1.5	0.01 0.01 0.03	0.02 0.02 0.05	5
CP2202S	0.01	2,200	190×204	1.5	0.01	0.02	5
CP622	0.01	620	154* \emptyset	1	0.01	0.02	6
CP8201	0.1	8,200	190×204	1	0.1	0.2	5
CP6201	0.1	6,200	190×204	1	0.1	0.2	5
CP4201	0.1	4,200	190×204	1	0.1	0.2	5
CP2201	0.1	2,200	190×204	1	0.1	0.2	5
CP34001S	0.1	34,000	400×300	2	0.1	0.2	7
CP34001P	0.1 0.2 0.5	8,000 16,000 34,000	400×300	1.5	0.1 0.2 0.5	0.3 0.3 0.3	7
CP16001S	0.1	16,000	400×300	1.5	0.1	0.2	7
CP12001S	0.1	12,000	400×300	1.5	0.1	0.2	7
CP34000	1	34,000	400×300	1.5	0.5	1	7

* See comment on next page



Design 1



Design 2



Design 3



Design 4



Design 5



Design 6



Design 7

**Sartorius CP –
Features and accessories**

The comprehensive concept for features and accessories guarantees an excellent price/performance ratio.

CP models are standard-equipped with the following performance features:

Backlit LCD
Height of digits: 16.5 mm (models CP2P, CP2P-F and CP225D without backlighting)

Glass draft shield for smooth, manual operation on 0.001-mg models

All-glass draft shield on models with 0.01-mg | 0.1-mg readability

Glass draft shield with removable side panels and with a rotatable cover on 0.001-g models

Bidirectional RS-232C data interface

Built-in, motorized calibration weight (micro | semimicro | analytical balances)

Automatic calibration and adjustment at the press of a key (all precision balances) with external weights

Hanger for below-balance weighing (optional for design 7)

Overload protection

ISO | GLP-compliant recording and printing capability (in combination with the Sartorius printer, YDP03-OCE or PC)

Application programs:
Weighing in %, net-total formulation, dynamic weighing | animal weighing, mass unit conversion by toggling, counting

Print mode for current menu settings

Electronic filters for adapting the balance to the ambient conditions

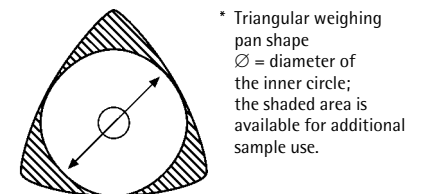
Leveling feet, level indicator, lug for attaching an anti-theft locking device (for balances with a weighing capacity up to 8.2 kg)

Two tare keys (for left- and right-handed persons)

Keys with positive click action

Accessories	Order no.	Suitable for
Printer	YDP03-OCE	All models
Rechargeable battery pack	YRB05Z	All models with a capacity < 10 kg
	YRB06Z	All models with a capacity > 10 kg
Remote display	YRD02Z (reflective)	All models
	YRD13Z (overhead projectors)	All models
Analytical draft shield chamber	YDS01CP	CP423S, CP323S, CP323P, CP153
Anti-static pan	YWP01CP	All semimicro analytical balances
Density kit	YDK01	All semimicro analytical balances
SartoConnect data transfer software program	YSC01L	All models

Additional accessories available on request



Sartorius AG
Weender Landstrasse 94-108
37075 Goettingen, Germany
Phone +49.551.308.0
Fax +49.551.308.3289
www.sartorius.com

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