

Combics[®] SPC for net-content control



Combics® SPC – Premium software for premium results

To give you the best results, great weighing technology needs great software. The new Combics® SPC combines all the renowned features of Sartorius' hugely successful Combics 3 range, with our innovative SPC software. These two cutting edge technologies combine, to provide a product that leads the field in average weight control, allowing the highly accurate checkweighing of prepackaged products.

Combics® SPC is the successor to SartoPac, Sartorius' average weight control system that dominated the industry for well over a decade. By including all of the applications and features that made its predecessor so popular, and by adding a whole host of new ones, Combics® SPC provides the perfect solution for a whole range of different industries. For any process that demands the most stringent accuracy levels with unrivalled reliability and an excellent price | performance ratio, Combics® SPC is the perfect solution.

The Combics 3 interface provides the best method for controlling the wealth of applications available from SPC. Different weighing ranges, resolutions and verification intervals can all be assigned by the user, and customizable soft key functions ensure that the interface supports all users in the best way.

Any checkweighing procedure must be highly time and resource efficient. To minimize the set-up time between each different batch, Combics® SPC has an internal memory allowing the storage of 500 base data sets. Additionally, 5 in-weight sets allow users to perform individual tare or destructive tests. Alongside this, a product name and number can be assigned, allowing quickly and easily selection.



Modularity for custom solutions

For a flexible product that ensures the average weight control of a whole range of pre-packaged products, as well as capsules, powders and suppositories Combics® SPC is unmatched. All procedures are performed in accordance with the Pharmacopeia Europea, and both short and long term monitoring is recorded with 100% traceability. The implementation of Combics® SPC into your existing infrastructure will allow you to see the benefits from day

one. Minimized production costs though the reduction of downtime, and elimination of over fill make Combics® SPC a perfect investment for the future. Thanks to its open structure the controller could last a life time, allowing you to keep your infrastructure costs to a minimum. Additionally, dependent on your production line requirements the controller can come in a variety of different IP ratings and is fully connectable with a complete range of external devices.



Combics 3 indicator from IP44 to IP69K

With the inclusion of an Ethernet port and the simple installation of a piece of software the Combics® SPC transforms into an integral part of the SPC network system, Sartorius ProControl@Enterprise. These small, simple changes allow Combics® SPC to become the workhorse of any quality control network and fulfill both IFS and HACCP requirements for process recording.

Combics Indicator IP44 (preconfigured packages 1 and 2)



Combics 3 Indicator IP68 | IP69K (preconfigured packages 3 and 4)



Features to Fulfil your needs

Feature	User benefit
Indicator and approved platform make a verifiable unit the built-in application software uses the same hardware	Little space required; compact design with easy operation
Factory verified for use in legal metrology	Get started quickly without additional costs
Solid industrial finish, made from high-grade alloy stainless steel with protection class IP44 up to IP68/69K	Reliable operation with maximum availability, even in wet-cleaning conditions
Hygienic Design following the recommendations of the EHEDG (European Hygienic Engineering & Design Group)	Quick and easy cleaning minimizes risk of contamination. Ensures your compliance with Food safety regulations
Rugged Design and industrial operation	Installation directly on the production line means short processing paths and rapid response to any fluctuations in the process
Interfaces to platforms and compact balances Built-in analog digital converter up to 3 weighing points can be connected	A custom solution for every weighing task with multiple platform solutions allows it to support a wide range of product specifications
Interfaces for a printer, bar code scanner, and external traffic light display	Flexible adaptation for individual requirements
Large, backlit graphic display, high-contrast with a wide viewing angle, soft keys with customisable functions	Large, easy-to-read display and extensive operator guidance as well as informative evaluation data
isoTEST function for self-testing, calibration and the adjustment of inspection, measuring and test instruments	Comprehensive integration in the management of inspection, measuring and test equipment
Motorized weight circuit in high-resolution versions	Makes it easy to monitor inspection, measuring and test equipment
Numeric and alphabetic input capabilities using "abc" keypad similar to cell phone keys	Alphanumeric designations of products machines lots using familiar standards easy to operate, even for untrained personnel
Built-in-red, green, yellow ("traffic light") display	Violation of tolerance limits detected immediately
Integrated application software for net-content control sampling in full accordance with prepackage regulation	Find the best compromise between economic usage of raw material and compliance with the law
3 different tare modes	Manage all type of tare containers: Fixed tare individual tare destructive test
Buffer memory for 5 in-weight series	Continues workflow even for individual tare tests and destructive tests from multiple batches in parallel
Free limit system and SPC	Individual weight control in accordance to internal standards or supplier contracts made easy
Batch statistics and periodical statistics	Supports company statistic times and ensures batch traceability
Widely configurable (Evaluation Printout Workflow)	Makes the best compromise for ease of use and process safety
Graphical process analysis after the sample or at any time	Quick information about the process flow
Weight control in accordance to Pharmacopeia Europea	Connected to a high-resolution analytical or laboratory balance the system can be used to check the amount of active ingredients in medications. The system even offers control outputs for automatic tablet feeding units



Preconfigured Packages

To make life simple, and to guarantee a product that suits you best we supply all Combiics® SPC systems factory verified. Four different preconfigured packages are available which make it easy to choose one that fits your process perfectly.

Preconfigured package 1

Runner type	Max. d e (g)	Ip-rating indicator platform	To be used for prepackagers
CAHE-SPC-06SCE	620 0,001 0,01	IP44 IP54	≥ 0,2 g/ml
CAHE-SPC-2SCE	2.200 0,01 0,1	IP44 IP54	≥ 5 g/ml
CAHE-SPC-6HCE	6.200 0,01 0,1	IP44 IP54	≥ 5 g/ml
CAHE-SPC-6SCE	6.200 0,1 1	IP44 IP54	≥ 150 g/ml ≥ 5 g (D/TR)
CAHE-SPC-12ICE	12.000 0,5 0,5	IP44 IP54	≥ 50 g/ml

Preconfigured package 2

Runner type	Max. d e (g)	Ip-rating indicator platform	To be used for prepackagers
CAWP-SPC-3NCE	3.000 2x3000 0,5	IP44 IP65	≥ 50 g/ml
CAWP-SPC-6NCE	6.000 2x3000 1	IP44 IP65	≥ 150 g/ml

Preconfigured package 3

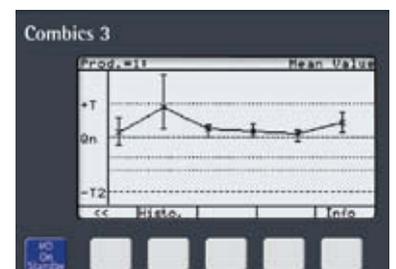
Runner type	Max. d e (g)	Ip-rating indicator platform	To be used for prepackagers
CAHE-SPC-16HCE	16.000 0,1 1	IP69K IP65	≥ 150 g/ml (EU) ≥ 5 g (D/TR)
CAHE-SPC-34HCE	6.000 2x3000 1	IP69K IP65	≥ 150 g/ml (EU) ≥ 5 g (D/TR)

Preconfigured package 4

Runner type	Max. d e (g)	Ip-rating indicator platform	To be used for prepackagers
CAWS-SPC-3NCE	3.000 2x3000 0,5	IP69K IP68	≥ 50 g/ml
CAWS-SPC-6NCE	6.000 2x3000 1	IP69K IP68	≥ 150 g/ml
CAWS-SPC-6UCE	6.000 3x3000 0,5	IP69K IP69K	≥ 50 g/ml
CAWS-SPC-15UCE	15.000 3x3000 1	IP69K IP69K	≥ 150 g/ml



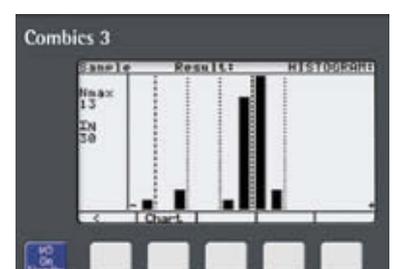
Main menu with user-assigned soft keys



Mean value chart with min | max



Comprehensive information is always available about on-going batches.



The Histogram view offers immediate information on the process distribution

Indicators and accessories

Printers and Printer Accessories

Verifiable printer with functions for date, time and statistical evaluations	YDP20-OCE
Printer paper for data printer (5 rolls; length per roll: 50 m)	6906937
Replacement ink ribbon cartridge	6906918
Verifiable strip and label printer with thermal print head, up to 60 mm paper width, with external 100 V–240 V power supply, adapter cable YCC02-D09M6 required	YDP04IS-OCEUV
Printer paper (3 rolls) for YDP04IS-OCE, 60 mm × 75 m, thermo paper	69Y03090

Electrical Accessories

External red green red display for CIS indicators: (12-pin round connector). Adapter cable YCC02-R12F6 or Option M6 required	YRD14Z
Barcode scanner for IP44 version	YBR03PS2
Barcode scanner for IP67+ version	YBR03FC

Mechanical Accessories

Retainer plate for attaching indicator to platform (front-mounted display), stainless steel, for platform dimensions up to 500 × 400 mm.	YDH12CWS
Column, stainless steel, for attaching indicator to platform size 320 × 240 mm; height: 320 mm	YDH01CWS
Column, stainless steel, for attaching indicator to platform of size 400 × 300 mm and 500 × 400 mm; height: 500 mm	YDH02CWS
Retainer for wall mounting, stainless steel	YDH02CIS
Floor-mounted column; stainless steel	YDH03CIS
Base for installing the floor-mounted column; stainless steel	YBP03CIS
Retainer for a bar code scanner, for attachment to floor-mounted column, bench stand, or complete-scale column	YBH01CWS
Plate for attaching a printer to the floor-mounted column or bench stand	YPP01CWS

Connecting Cables

Connecting cable with cable gland for YBR03FC bar code scanner	YCC02-BR02
Connecting cable with cable gland for accessory device; to D-Sub 9-pin male connector	YCC02-D09M6
Connecting cable with cable gland, for printer YDP20-OCE with D-Sub 9-contact female connector, 6 m	YCC02-D09F6
Connecting cable with cable gland, for accessories with D-Sub 25-contact female connector, 1.5 m	YCC02-D25F6
Connecting cable with cable gland, for Sartorius weighing instrument with 25-pin D-Sub male connector, 6 m	YCC02-D25M6
Connecting cable with cable gland, for Sartorius weighing instrument; 12-pin round male connector, 6 m	YCC02-R12M6
Connecting cable with cable gland, for accessories or IS platform; 12-contact female connector, 1.5 m	YCC02-R12F6

Additional Options

Guard covers (×2)	YDC01CI
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Options

Software package Net content control SPC Pharmacopeia Europea - stand alone to upgrade any Combics 3 CAIS / CAISL	H5
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Additional Equipment

Connecting cables with cable gland, for CAIS indicators only	Option Code
Connecting cable with cable gland, for accessories (25-pin D-Sub), 6 m	M1
Connecting cable with cable gland, for Sartorius weighing instrument (25-pin D-Sub), 6 m	M2
Connecting cable with cable gland, for YDP04IS-OCE printer (9-pin D-Sub), 6 m	M3
Connecting cable with cable gland, for computer (9-pin D-Sub), 6 m	M4
Connecting cable with cable gland, for computer (9-pin D-Sub), 6 m	M5
Connecting cable with cable gland, for Sartorius weighing instrument (12-pin round), 6 m	M6
Connecting cable for IS platforms (12-pin round)	M41, A7
Connecting cable with cable gland, for bar code scanner YBR03FC	M8
Connecting cable with cable gland, for YDP20-OCE printer (9-pin D-Sub), 6 m	M9



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