sartorius

Secura® and Quintix®
First-Class Performance in the 5-Digit Range

0.00001 g

turning science into solutions

The New Semi-Micro Balances: Best in Class

The new Sartorius semi-micro balances feature unsurpassed weighing technology available within their 5-digit class in the standard market segment today. We offer a unique selection, giving you five different models to choose from. These semi-micro balances deliver outstanding performance at an affordable price. Plus, they are backed by the excellent quality standards of products “Made in Germany”.

Top Performance

The latest technologies for even more performance: Benefit from unbeatable repeatability and linearity in the semi-micro range.

Easy-to-Clean Design

Removable draft shield and weighing chamber base: All parts of the draft shield and weighing chamber can be quickly and easily disassembled – which helps ensure the best possible cleaning results. And if you happen to spill any liquid or granular samples while weighing, no problem for these five new balances. Their weighing chamber base, featuring a revolutionary new rimmed design, can be completely taken out of the chamber and readily wiped cleaned.

Intuitive Operation

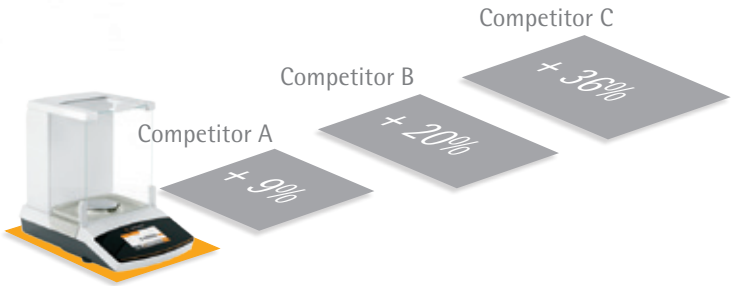
Start Assistant function and SmartTouch user interface: These easy-to-understand features make it so simple to set up and work with the new semi-micro balances. Forget having to read an instruction manual. The display prompts show you all you need to know – helping you increase weighing efficiency in your lab.

Ergonomic Draft Shield

One-Touch technology: The side doors of the draft shield open at a simple touch, enabling you to load a sample conveniently – without any mishaps. The draft shield is designed to compensate for ambient conditions, reducing their impact on your weighing results to a bare minimum.

Space-saving Footprint

Compact footprint and integrated electronics:
Save up to 36% space compared with other competitor models thanks to the compact design and integrated electronics of these semi-micro balances.



Accessories

Weighing Pans

Order No.	Description
YSP01SQP	Weighing pan, 80 mm, slotted
YWP01SQP	Weighing pan, 90 mm; includes conversion kit
YFW01SQP	Filter weighing pan, 130 mm

Rechargeable Battery Pack

Order No.	Description
YRB11Z	For standard lab balances

Printer

Order No.	Description
YDP30	Premium GLP lab printer
69Y03285	Set of standard paper and ink cartridge
69Y03286	Set of self-adhesive labels and ink cartridge
69Y03287	Standard thermosensitive paper
69Y03288	Self-adhesive thermo-sensitive paper

Data Communication Cables

Order No.	Description
YCC04-D09	Data communication cable, USB|USB A
YCC03-D09	Data communication cable, mini USB|RS232, 9-pin
YCC03-D25	Data communication cable, mini USB|RS232, 25-pin

Density Kit

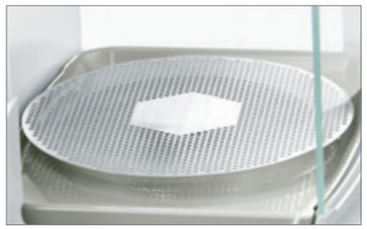
Order No.	Description
YDK05	For semi-micro balances

Protective Covers

Order No.	Description
6960SE04	Dust cover
6960MA03	In-use dust cover

Weighing pan, 80 mm, for increasing the weighing performance

Weighing pan, 90 mm; includes conversion kit



Filter weighing pan, 130 mm

Unique Features for Higher Performance and Flexibility

All five models have the familiar Secura® and Quintix® features that will enhance the efficiency of your processes:

Fast Data Transfer

Just connect the balance to your computer and start weighing right away – without the need for additional software. Thanks to the balance's Plug & Play technology, your weighing results will be transferred instantly to the program you select. As a result, this makes "number-crunching" fast and easy using spreadsheet calculation programs.

Automatic Adjustment

The built-in adjustment function isoCAL will alert you whenever a defined interval has elapsed or a temperature limit has been exceeded. The balance will then perform fully automatic span adjustment using its internal weight. If the balance prompts you that it is ready to perform adjustment while you are weighing, just touch the button to have adjustment carried out later. Each adjustment procedure is documented by the Cal Audit Trail function and is 100% traceable for your quality assurance.

GLP | GMP Documentation

Print your weighing results within seconds in compliance with GLP | GMP. In addition, the date and time stamp enables you to generate traceable records. On Secura® balances, you can even customize the printout according to your specific requirements.

Added features on the Secura®
semi-micro balances make your lab work
even easier and more reliable:

Continuous Level Monitoring

The integrated LevelControl function checks whether your Secura® is level. It detects any tilt immediately, showing you on the display the steps you need to take to level the balance correctly.

Sample and Batch Identification

Use the built-in identification function to assign unique alpha-numeric IDs to your samples and batches. With the YDP30 laboratory printer connected to the semi-microbalance, you can print your data easily and individually on standard paper or continuous labels.

Secure Password Protection

Activate the password function to protect all your settings from any unintentional changes that could alter the metrological performance of your balance. In this way, you can be sure that your Secura® will deliver secure weighing results.

Technical Specifications

Secura® Semi-Micro Balances

Model		225D	125
Weighing capacity ranges	g	60 | 120 | 220	60 | 120
Readability ranges	mg	0.01 | 0.01 | 0.1	0.01 | 0.01
Repeatability (typical standard deviation)	mg	0.02 | 0.04 | 0.07	0.02 | 0.04
Linearity	mg	0.1 | 0.1 | 0.2	0.1 | 0.1
Starting point of the operating range according to USP (typical)*	mg	25	25
Sensitivity drift between +10°C...+30°C (50°F...86°F)	± ppm/K	1	1
Typical stabilization time	s	6 | 6 | 2	6 | 6
isoCAL: – Temperature change – Time interval	 K h	 1.5 4	 1.5 4
Display update rate (depends on filter level selected)	mm	0.2 | 0.4	0.2 | 0.4
Weighing pan size		∅ 80 (∅ 90 optional)	∅ 80 (∅ 90 optional)
Weighing chamber height	mm	218	218
Net weight, approx.	kg	7.8	7.8
Dimensions, D × W × H	mm inches	376 × 214 × 316 14.8 × 8.4 × 12.4	

Quintix® Semi-Micro Balances

Model		125D	65	35
Weighing capacity ranges	g	40 | 60 | 120	40 | 60	30
Readability ranges	mg	0.01 | 0.01 | 0.1	0.01 | 0.01	0.01
Repeatability (typical standard deviation)	mg	0.02 | 0.04 | 0.07	0.02 | 0.04	0.03
Linearity	mg	0.1 | 0.1 | 0.2	0.1 | 0.1	0.1
Sensitivity drift between +10°C...+30°C (50°F...86°F)	± ppm/K	1	1	1
Typical stabilization time	s	6 | 6 | 2	6 | 6	6
isoCAL: – Temperature change – Time interval	 K h	 1.5 4	 1.5 4	 1.5 4
Display update rate (depends on filter level selected)	s	0.2 | 0.4	0.2 | 0.4	0.2 | 0.4
Weighing pan size	mm	∅ 80 (∅ 90 optional)	∅ 80 (∅ 90 optional)	∅ 80 (∅ 90 optional)
Weighing chamber height	mm	218	218	218
Net weight, approx.	kg	7.8	7.8	7.8
Dimensions, D × W × H	mm inches	376 × 214 × 316 14.8 × 8.4 × 12.4		

* in combination with weighing pan, 80 mm, slotted YSP01SQP

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Use the above details to contact us if this literature doesn't answer all your questions.

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.