sartorius

The New Secura®:
Easy, Reliable Weighing in Regulated Areas

turning science into solutions

Reliable Weighing Easier Than Ever Before

The new Secura® is a laboratory balance that does far more than set new standards in metrological specifications. Beyond its technical specs, Secura® also gives you the security and serenity of knowing that you have done everything right according to best practices to ensure the quality of your measurement results, compliance with regulatory requirements and your efficiency as well.

First, the new operating concept of Secura® will noticeably ease your daily workload during weighing and, second, its APC function – Advanced Pharma Compliance – will relieve you from tedious and time-consuming documentation and monitoring tasks.
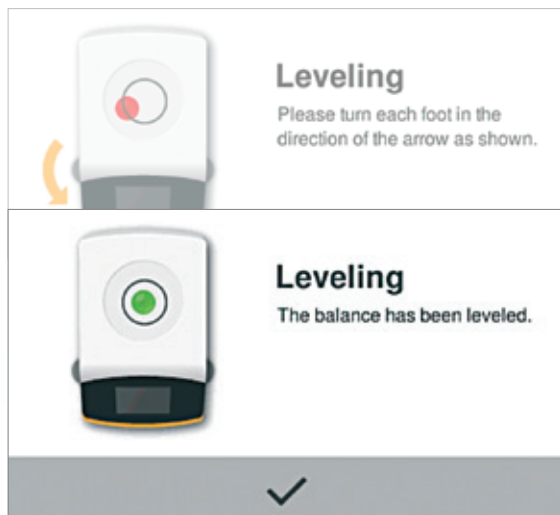
These two benefits, in combination with legendary Sartorius quality, make reliable weighing in regulated areas easier than ever before.

reddot design award
winner 2013

iF product design award 2013

iF communication design award 2013 GOLD

Always Correctly Leveled with Sartorius LevelControl

Secura® has an optoelectronic sensor that continuously checks to see if the balance is perfectly level. If it detects any out-of-tolerances, you will be immediately alerted to this pending risk and see specific guidance prompts to help you level the balance. Output of the weighing data over the interface port will be temporarily interrupted until the balance has been correctly leveled again.

This means you can rest assured knowing that only correct data is transmitted. During leveling, you will not have to change your seated position. More importantly, when working with toxic substances under a laboratory fume hood, you will not have to lean over the balance while leveling it. As a result, Secura® rules out the risk of health hazards.

Leveling
Please turn each foot in the direction of the arrow as shown.

Leveling
The balance has been leveled.

Regulatory Compliance with Expert Support

Do you use your Secura® or other instruments in a regulated area and have to comply with a multitude of requirements, regulations and directives? Relax. Sartorius Lab Products & Services will provide you with the appropriate expert services specifically tailored to ensure compliance with the strict requirements of the pharmaceutical industry – and not just for balances.

Risk Minimization – IQ | OQ Documentation

Do you need qualification documents as proof of suitability to be able to use your Secura® in a regulated area? Sartorius Lab Products & Services will support you by providing trained specialists on site. We will generate the documents you need according to risk-based test plans and test reports for installation and operational qualification.

Secura

Stress-Free USP Minimum Sample Weight Measurement

Compliance with the USP minimum sample weight requirements with absolute process reliability? No problem for the new Secura®.

The display clearly indicates when the minimum sample weight is below the required minimum limit. In addition, the balance will temporarily block data transfer to a printer or a device connected to its interface port. This gives you peace of mind knowing that inadequate data cannot be inadvertently processed further.

Our specially trained service staff will determine the minimum sample weight for you right at the balance's site of installation, program it into your Secura® and attach a corresponding verification seal to the balance.

2012-05-08 [1/5] ✓

Date and Time:	08-May-2012 13:44
Calibration function:	Internal calibration
Start calibration:	Start: isoCAL (Tim)
Calibration deviation:	Dev 0.0002 g
Adjustment function:	Internal adjustment
Adjustment deviation:	Dev 0.0000 g

PREV   NEXT

Best Results – Quality Documentation Made Easy

Secura® features a Cal Audit Trail function to document the quality of each weigh-in procedure you perform. Each adjustment procedure, including any non-conformities, are recorded by the balance, can be viewed on the touch screen and, if necessary, can be transferred over the balance's interface to a computer or to a Sartorius laboratory printer.
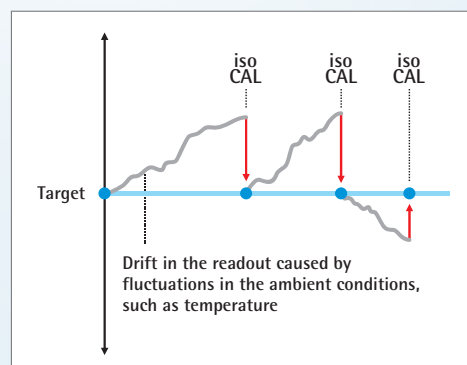
No Risk Due to Temperature Fluctuations

Temperature fluctuations have an influence on the accuracy of your weighing results.

This is why every Secura® comes equipped with the internal adjustment function isoCAL that ensures consistently accurate results.

Secura® can be configured to prompt you to launch this procedure or to have isoCAL take care of this as soon as an activation threshold is reached.

The Cal Audit Trail function records each isoCAL procedure performed so it can be traced for your quality assurance.

iso CAL   iso CAL   iso CAL

Target

Drift in the readout caused by fluctuations in the ambient conditions, such as temperature

Cleanability to Secure the Best Results

Cleanliness is one of the main prerequisites in the laboratory to prevent contamination and ensure work area safety.

That's why Sartorius placed a premium on designing Secura® to enable easy and thorough cleaning.

Sleek, resistant surfaces plus clear contours and few edges ensure that Secura® will help you stay compliant with all hygiene requirements.

Security by Password Protection

Secura® comes with password protection to restrict adjustment of the balance settings only to authorized persons. If you set a password, all functions that could change the metrological performance specifications are inactivated.

Interactive User Guidance for
Fast GLP- | GMP-Compliant Printouts

If you require traceable documents, Secura® will guide you through the steps for obtaining GLP- | GMP-compliant printouts. The novel user guidance will support you especially for working with traceable sample identification.

Used in conjunction with the new premium YDP30 laboratory printer, which is automatically detected by Secura®, the balance generates printouts of the results on standard printer paper or on continuous labels.

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2013-02-21        14:46
      Sartorius
Mod.     SECURA224-1S
SerNo.    0027703716
BAC:         00-50-02
APC:         01-70-02
Comp1 +      1.7082 g
Comp2 +      1.5017 g
Comp3 +      0.0510 g
T-Comp+      3.2608 g

2013-02-21        14:47
Name:
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Secura® Technical Specifications

Model		224	124	513	313	213	5102	3102	2102	1102
Weighing capacity	g	220	120	510	310	210	5,100	3,100	2,100	1,100
Readability	mg	0.1	0.1	1	1	1	10	10	10	10
Repeatability	mg	0.1	0.1	1	1	1	10	10	10	10
Linearity	mg	0.2	0.2	2	2	2	20	20	20	20
Min. sample weight according to USP, typical	g	0.12	0.12	1.5	1.5	1.5	12	12	12	12
Temperature limits for verified models with activated isoCAL		+10℃ │ +30℃								
Typical stabilization time	s	2	2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Weighing pan size	mm	∅ 90	∅ 90	∅ 120	∅ 120	∅ 120	∅ 180	∅ 180	∅ 180	∅ 180
Weighing chamber height	mm	209	209	209	209	209	–	–	–	–
Net weight, approx.	kg (lb)	5.1 (11.2)	5.1 (11.2)	5.1 (11.2)	5.1 (11.2)	5.1 (11.2)	5.2 (11.5)	5.2 (11.5)	5.2 (11.5)	5.2 (11.5)
Dimensions, D × W × H mm (Inches)		360 × 216 × 320 (14.1 × 8.5 × 12.6)					360 × 216 × 95 (14.1 × 8.5 × 3.75)			
Interface		mini USB – Automatic recognition of Sartorius printer models YDP30 or YDP40 – Direct data transfer to Microsoft® Windows programs – Programmable interval for data output – Choice of SBI, xBPI, table format or text format data transfer protocols								
APC functions (Advanced Pharma Compliance)		– Monitoring of compliance with the USP minimum sample weight limits – SQmin – Password protection of setup settings – Fully automatic temperature- and time-controlled internal adjustment – isoCAL – Temporary blockage of data transfer to printer or computer when uncertain weighing results are detected, such as when the result is below the USP minimum sample weight limit, the balance is not levelled or isoCAL adjustment needs to be performed – Storage of all data of adjustment procedures – Cal Audit Trail								
Leveling		Intelligent, optoelectronic level sensor with alarm function and interactive user guidance for reliable and safe leveling								
Display		Touch screen with Sartorius graphical user interface optimized for users in pharmaceutical laboratories								
Built-in application programs		Special lab applications such as Mixing, Components, Statistics and Conversion; plus standard lab applications such as Weighing, Density, Percentage, Checkweighing, Peak Hold, Counting and Unstable Conditions								
Accessories		See Secura® list of accessories								

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