The New Secura®.
Safe & Secure Weighing.

turning science into solutions

Reduce Your Risk with Integrated and Intelligent

Protection Systems

Secura® gives you the security and peace of mind of knowing that you have done everything right. Besides providing highly accurate weighing results and operating convenience, Secura® also features built-in protection systems for complete reliability and regulatory compliance – the safe and secure way.

Real-time guidance prompts for leveling, automatic internal adjustment and 100% traceable, clear documentation with sample and batch identifiers make your lab work more efficient.

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.

reddot design award
winner 2013

iF product design award
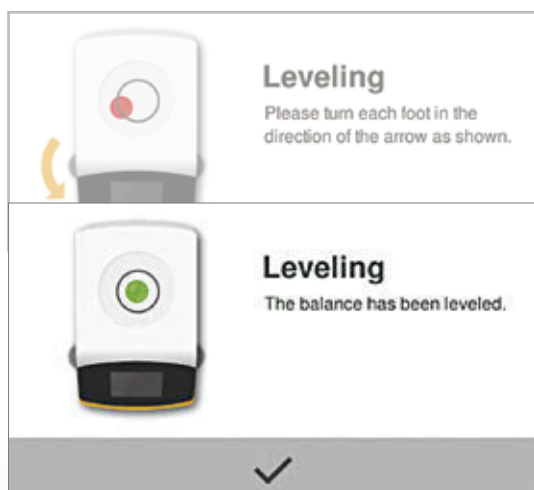2013

iF communication design award
2013 GOLD

Leveling
Please turn each foot in the direction of the arrow as shown.
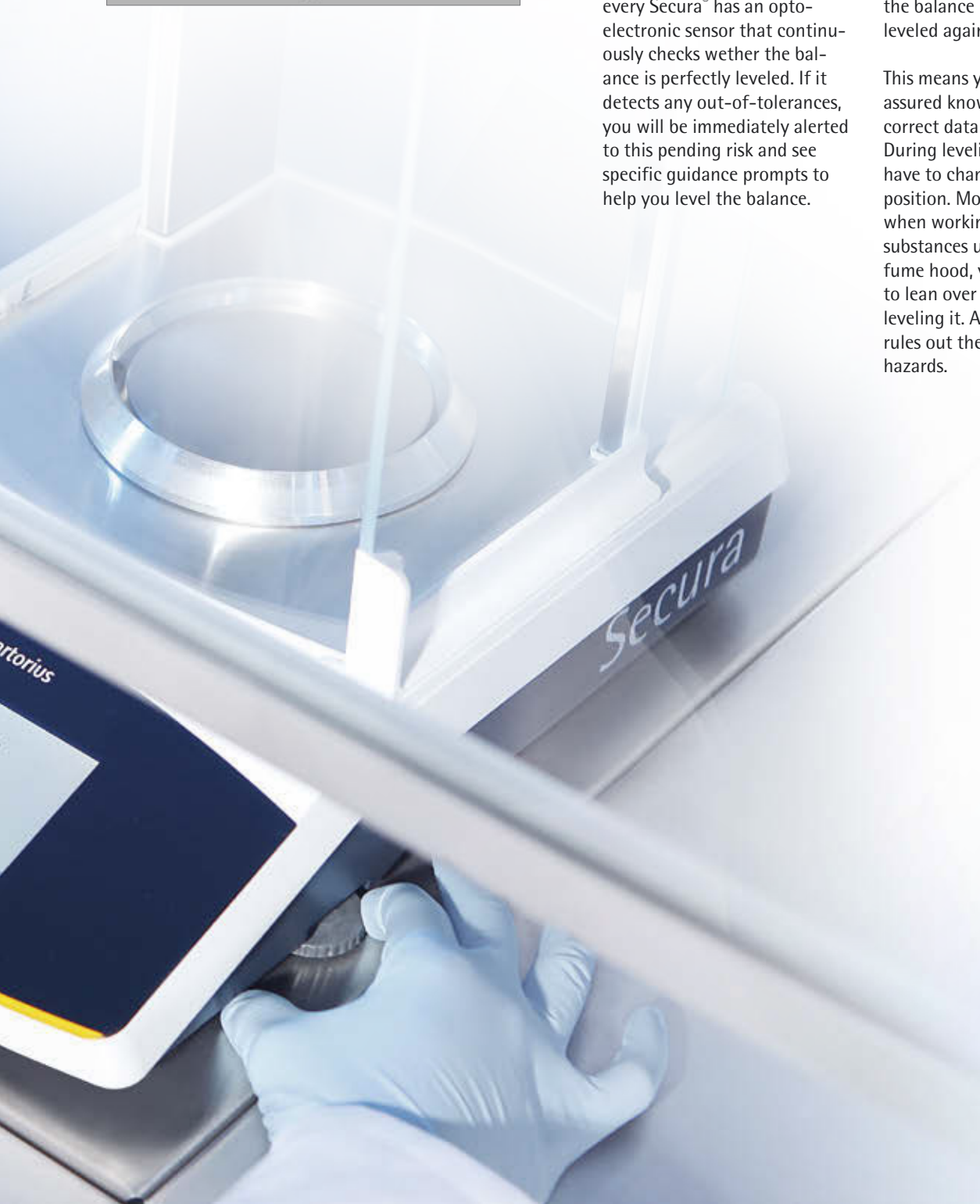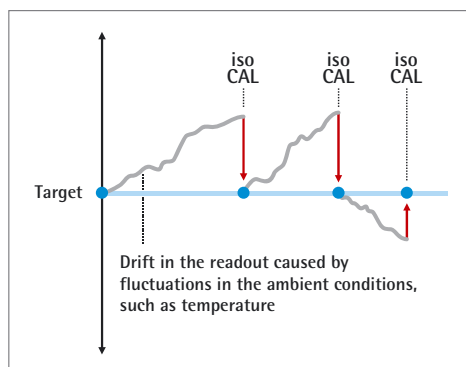
Leveling
The balance has been leveled.

Always Correctly Leveled with Sartorius LevelControl

Avoid errors caused by an unleveled balance with real time leveling support - therefor every Secura® has an opto-electronic sensor that continuously checks wether the balance is perfectly leveled. 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.

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

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.

Stress-Free USP Compliant Measurements

Compliance with the new USP,
Chapter 41, requirements (valid
from 1st of December, 2013)
with absolute process reliabili-
ty? No problem for the Secura®.

SQmin automatically detects
and clearly indicates on the
display if you are out of the
accepted operating range. In
addition, the balance will tem-
porarily block the data transfer
to a printer or a device con-
nected to its interface port.

This gives you peace of mind
knowing that inadequate data
cannot be further processed
by accident.

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

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 with proper time and date stamps. The novel user guidance will support you especially for working with traceable sample and batch identification.

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

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 combined calibration and adjustment procedure and each leveling process, 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 port to a computer or to a Sartorius laboratory printer.

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

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. Even the chemically resistant housing makes cleaning the Secura® a breeze.

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 e.g. the pharmaceutical industry – and not just for balances.

Qualification – 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® Technical Specifications

Model		224	124	613	513	313	213	6102	5102	3102	2102	1102	612
Weighing capacity	g	220	120	610	510	310	210	6,100	5,100	3,100	2,100	1,100	610
Readability	mg	0.1	0.1	1	1	1	1	10	10	10	10	10	10
Repeatability	mg	0.1	0.1	1	1	1	1	10	10	10	10	10	10
Linearity	mg	0.2	0.2	2	2	2	2	20	20	20	20	20	20
Min. sample weight according to USP, typical	g	0.12	0.12	1.5	1.5	1.5	1.5	12	12	12	12	12	12
Temperature limits for verified models with activated isoCAL							+10°C | +30°C						
Typical stabilization time	s	2	2	1	1	1	1	1	1	1	1	1	1
Weighing pan size	mm	∅ 90	∅ 90	∅ 120	∅ 120	∅ 120	∅ 120	∅ 180	∅ 180	∅ 180	∅ 180	∅ 180	∅ 180
Weighing chamber height	mm	209	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)	5.1 (11.2)	5.2 (11.5)	5.2 (11.5)	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 and YDP40 – Direct data transfer to Microsoft® application programs – Programmable interval for data output – Choice of SBI, xBPI, table format or text format data transfer protocols
APC functions (Advanced Pharma Compliance)	– Monitoring if you are within the accepted operating range according to the requirements of the new USP, Chapter 41 – 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 you are out of the accepted operating range according to USP, the balance is not levelled or isoCAL adjustment needs to be performed – Storage of all calibration, adjustment and levelling procedures data – Cal Audit Trail
Leveling	Intelligent, optoelectronic level sensor with alarm function and interactive user guidance for reliable and safe leveling
Display	Touchscreen with Sartorius graphical user interface
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

www.sartorius.com