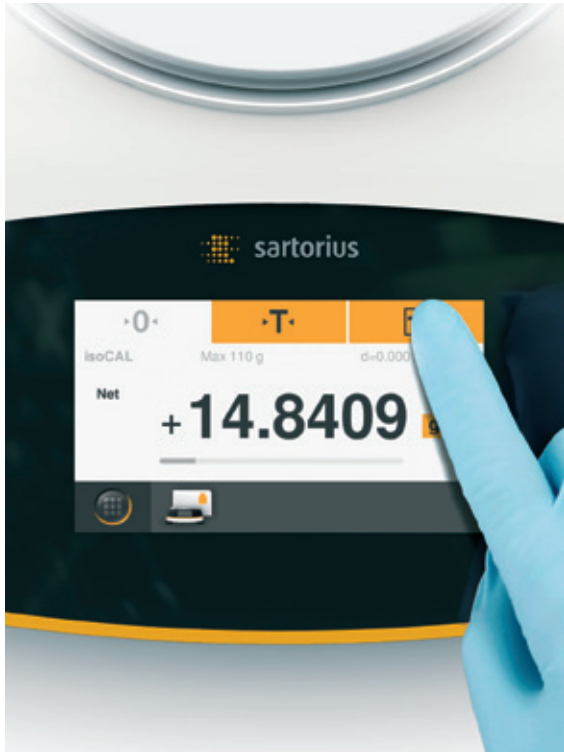
sartorius

The New Quintix®.
Redefining Standard.



Fisher Scientific


"We found it really simple to use
the new Quintix® right off the bat.
I don't know of any other balance
that is this easy to
operate intuitively."
103.4700
Quintix

The new Sartorius Quintix® sets new benchmarks in every aspect for standard lab balances: features, technology, ergonomic style, and, above all, the entirely new, user-friendly operating design of the Quintix® that helps make workflows much more efficient. What it boils down to is the Quintix® is fail-safe: it rules out weighing errors due to incorrect operation and eliminates the time-consuming chore of "finagling" with the settings. Fractions of a second are all it takes for any user to adapt the Quintix® to specific requirements and obtain traceable results much faster than ever.

Sartorius teamed up with experienced lab users to develop the user interface of the new Quintix®. Lab users' No. 1 priority was to ensure easy, intuitive operation without having read the manual first. They did it! The self-explanatory icons and plain-text prompts on the large touch screen show you all the information you need to know for the procedure – no more, no less. For example, the touch-activated print key will appear only when Quintix® has detected that a Sartorius printer is connected. The Quintix® also excels in compliance with NIOSH workplace safety: Even if you are wearing several pairs of lab gloves, you can still correctly use all the functions of the balance.

Quintix® comes standard with convenient, built-in applications. These, along with the extensive accessories Sartorius offers, enable you to customize Quintix® to a variety of weight measurement tasks. Take specific gravity. With the built-in Density application and the Sartorius Density Kit, you can effortlessly determine the density of solids and liquids.

Mixing
Enables you to weigh in various components of a formula quickly with 100% traceability.

Components
Conveniently lets you weigh components of a formula into separate containers and retrieve the total amount weighed-in at any time.

Statistics
Saves you work when you need to know the standard deviation and other statistics on an entire group of different samples, but don't have the time to do the number-crunching yourself.

Checkweighing
Helps you zip through series of samples when you have to quickly determine whether each one is within a specific tolerance range.

Density
Takes the effort out of determining the density of a solid, irregularly-shaped object.

Weighing
In addition to this app, all Quintix® balances feature isoCAL, the fully automatic internal calibration and adjustment function engineered by Sartorius to ensure total accuracy.

Conversion
Takes care of the math when you need to convert a weight using a factor, say, to calculate the weight per unit area.

Peak Hold
Locks in the reading so you can later view the maximum force released in milliseconds when a switch is activated during an experiment, or the weight of a bulky sample that hides the display while weighing.

Unstable Conditions
Delivers rock-steady results when you have to weigh in an extremely unstable environment or measure the weight of a hyper little mouse that just won't sit still.

Percentage
Makes comparisons of samples easy when you need to determine their difference in percent from a reference standard.

Counting
Gives you the exact count when you want to know how many identical parts, such as tablets, are in a bag.

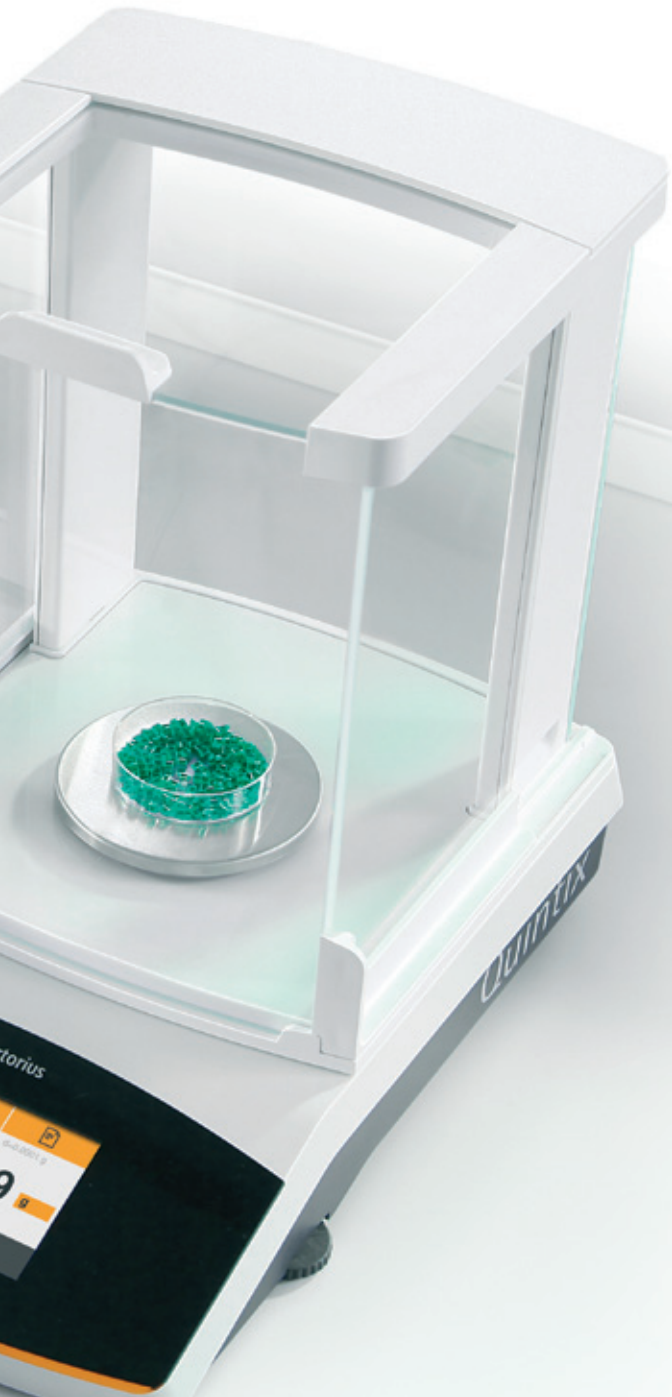
"With the apps in Quintix®, we can now take care of exotic applications much more easily and efficiently."

"I just transfer weights and other app data directly into an Excel file at a mouse click, without any additional software or bothering with tweaking this really couldn't be more convenient."

needing
the settings –

Every advanced analytical laboratory requires GLP-compliant records, as well as fast and secure processing of the data generated. The Plug and Work technology in Quintix® saves you considerable time and effort in generating fast and reliable documents.

Quintix® substantially simplifies processing data in spreadsheets. How? After connecting the USB port on Quintix® to a computer, just open the Microsoft® Office program you need. Quintix® delivers data in your choice of format, either text or numbers, enabling effortless and accurate spreadsheet calculations. No additional software or special configuration settings are needed.



The Sartorius GLP-compliant premium printer, YDP30, is automatically detected by Quintix®. Thanks to interactive user guidance, Quintix® provides help in generating error-free printouts, for instance, by inputting the correct sample ID numbers.

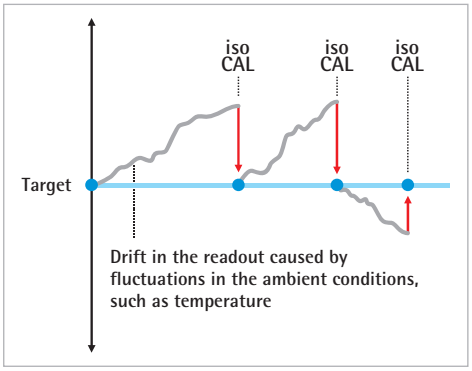
"We use Quintix® non-stop. It's worth its weight in gold because it's a balance you can always depend on."

Repeatable results and linearity are the key prerequisites to obtaining accurate and traceable weighing results. That's why Quintix® has been subjected to extensive automated repeatability, linearity and temperature drift tests to guarantee that it meets our high metrological specifications. Inside a virtual "rigorous testing chamber," Quintix® test samples undergo more than 1,000,000 load stress tests to ensure that after years of standing up to the rigors of daily use with different weight loads, it will still deliver accurate results just like it did on day one. Quintix® is crafted in Germany with high-grade components and materials. For example, the weigh cells are mounted on a solid, special aluminum alloy base plate, which is extremely impervious to ambient conditions, such as temperature fluctuations and vibration.

All these tests and features add up to user benefits like the legendary reliability of the Sartorius Quintix®, a major advantage it shares with every other Sartorius balance.

Is the linearity still correct even after 1 million cycles? Absolutely! Shown here is the Quintix® undergoing an endurance test.

Peace of Mind with isoCAL



No Risk Due to Temperature Fluctuations
The slightest fluctuations in temperature have a major impact on the repeatability and the quality of weighing results.

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

Each time isoCAL is performed, the Cal Audit Trail function in Quintix® records all data on this procedure so it can be traced for your quality assurance.

Designs

Design 1

Design 2

Design 3

Technical Specifications

Model		224-1S	124-1S	513-1S	313-1S	213-1S	5102-1S	3102-1S	2102-1S	1102-1S	612-1S	5101-1S	5100-1S
Fisher Scientific Catalog No.		14-557-410	14-557-409	14-557-413	14-557-412	14-557-411	14-557-417	14-557-416	14-557-415	14-557-418	14-557-414	14-557-419	14-557-420
Design		1	1	2	2	2	3	3	3	3	3	3	3
Weighing capacity	g	220	120	510	310	210	5,100	3,100	2,100	1,100	610	5,100	5,100
Readability	mg	0.1	0.1	1	1	1	10	10	10	10	10	100	1000
Repeatability	mg	0.1	0.1	1	1	1	10	10	10	10	10	100	500
Linearity	mg	0.2	0.2	2	2	2	20	20	20	20	20	300	1000
Typical response time	s	3	2	1.5	1.5	1.5	1.5	1.5	2	2	2	2	2
Pan size diameter	mm inches	90 3.5	90 3.5	120 4.7	120 4.7	120 4.7	180 7	180 7	180 7	180 7	180 7	180 7	180 7
Height of the weighing chamber	mm	209	209	209	209	209	-	-	-	-	-	-	-
Net weight	kg	4.9	4.9	4.9	4.9	4.9	5.2	5.2	4.7	4.7	4.7	4.7	4.7
	lb	10.8	10.8	10.8	10.8	10.8	11.5	11.5	10.8	10.8	10.8	10.8	10.8
Dimensions D × W × H	mm	360 × 216 × 320 (designs 1+2)					360 × 216 × 95 (design 3)						
	inches	14.1 × 8.5 × 12.6 (designs 1+2)					14.1 × 8.5 × 3.75 (design 3)						
Versions verified as legal for trade		All models can be obtained with an EC type-approval certificate for use in legal metrology; NTEP approval for selected balance models											
Draft shield for analytical balances (Designs 1+2)		– Analytical draft shield chamber with doors that glide open smoothly for fatigue-free weighing – Interior chamber featuring spill-proof design; exceptionally easy to clean – All panes can be individually cleaned or exchanged											
Housing		Chemically resistant finish of the housing for the easiest cleaning ever											
Weigh cell		– Sartorius weigh cell – Mounted on a heavy-duty die-cast plate made of a special aluminum alloy – Stable and repeatable weighing results guaranteed, along with minimum dependence on temperature											
Calibration		isoCAL – fully automatic, temperature- and time-controlled internal calibration and adjustment											
Interface		Mini USB port – Automatic detection of a Sartorius YDP30 GLP-compliant printer or a Sartorius YDP40 standard printer – Direct data transfer, e.g., into Microsoft Excel® spreadsheets without any additional software – Programmable interval for data output – SBI and XBPI transmission protocols											
Menu lock		Supervisor lock for protection against unintentional changes											
In-use cover		Provides added protection against dirt and scratches; supplied standard with the balance											
Anti-theft device		Kensington lock and lug for attaching a chain or a cable											
Built-in application programs		Lab applications that support the user, such as Mixing; Components; Statistics; Density; Percentage; Weighing; plus standard applications such as Conversion; Unstable Conditions; Checkweighing; Peak Hold; Counting											
Below-balance weighing		Standard, built-in feature											
Accessories		See Quintix® list of accessories											
Development and manufacture		Developed and made in Germany											

In the United States:
For customer service, call 1-800-766-7000.
To fax an order, use 1-800-926-1166.
To order online: www.fishersci.com

In Canada:
For customer service, call 1-800-234-7437.
To fax an order, use 1-800-463-2996.
To order online: www.fishersci.ca

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