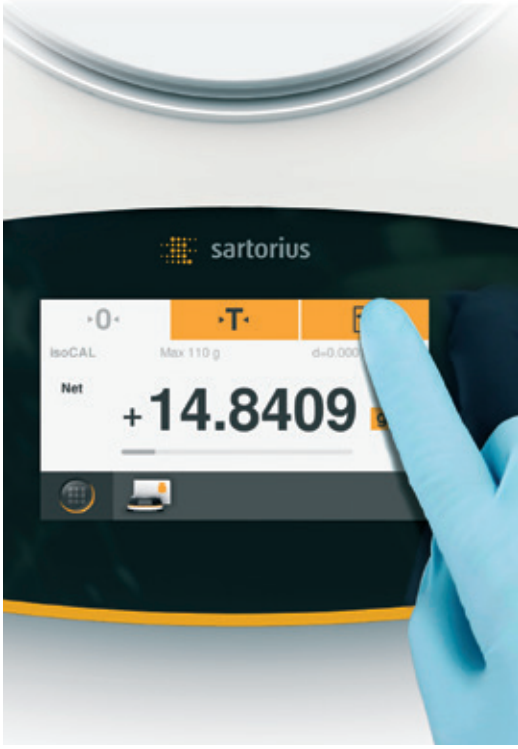
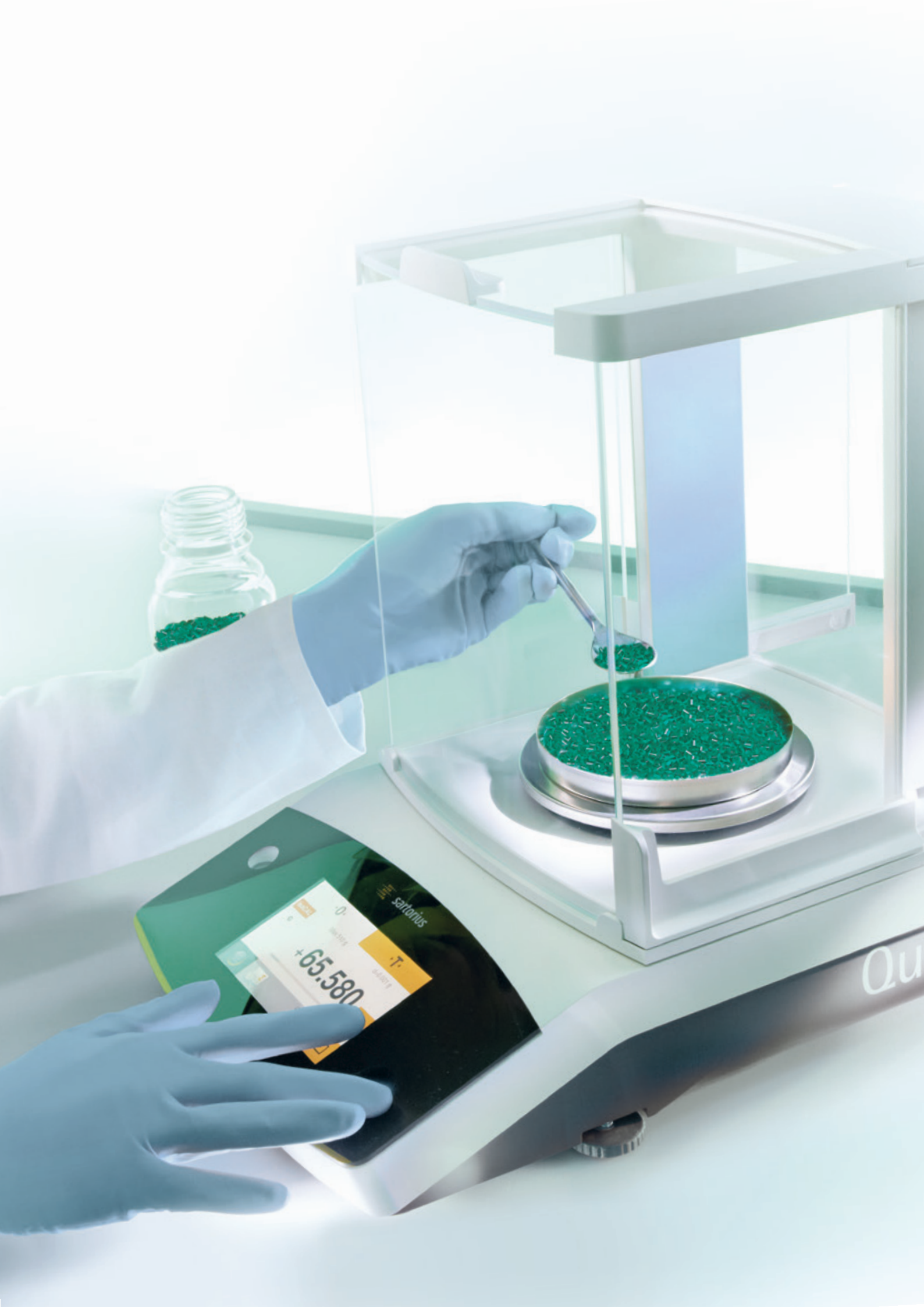
sartorius

The New Quintix®.
Convenient Weighing.





turning science into solutions

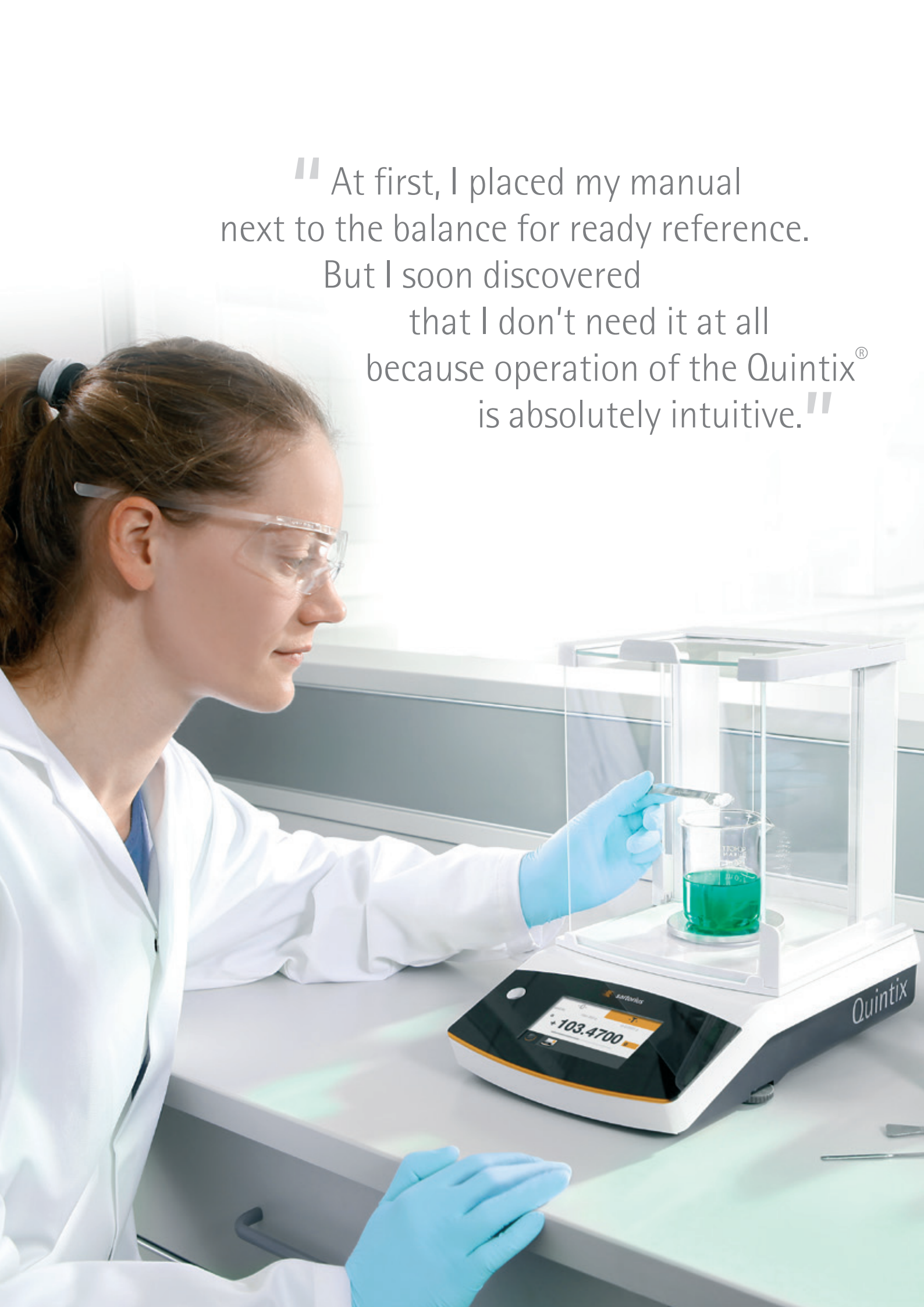

sartorius
+65.580



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

Make Your routine lab work easy with our revolutionary user interface

The Sartorius Quintix® sets new benchmarks in every aspect for standard lab balances. A number of features make Your workflow much more efficient, such as fully automatic internal adjustment, direct data transfer, ergonomic style and, above all, the entirely new touchscreen user interface with built-in application programs.

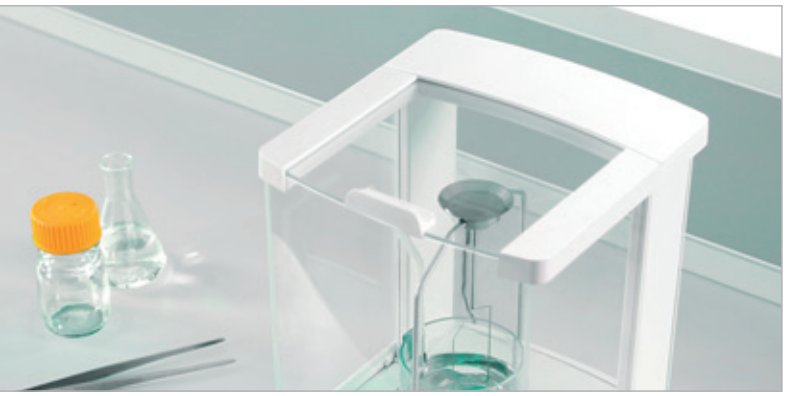

" At first, I placed my manual
next to the balance for ready reference.
But I soon discovered
that I don't need it at all
because operation of the Quintix®
is absolutely intuitive. "
103.4700
Quintix

Intuitive Operation without reading a manual by an award winning user interface and high resolution color touchscreen.
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 to read the manual first. They did it!

The self-explanatory icons and plain-text prompts on the large touchscreen 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 workplace safety requirements: Even if you are wearing several pairs of lab gloves, you can still correctly use all the functions of the balance.







Increase Efficiency with Integrated Application Programs
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."



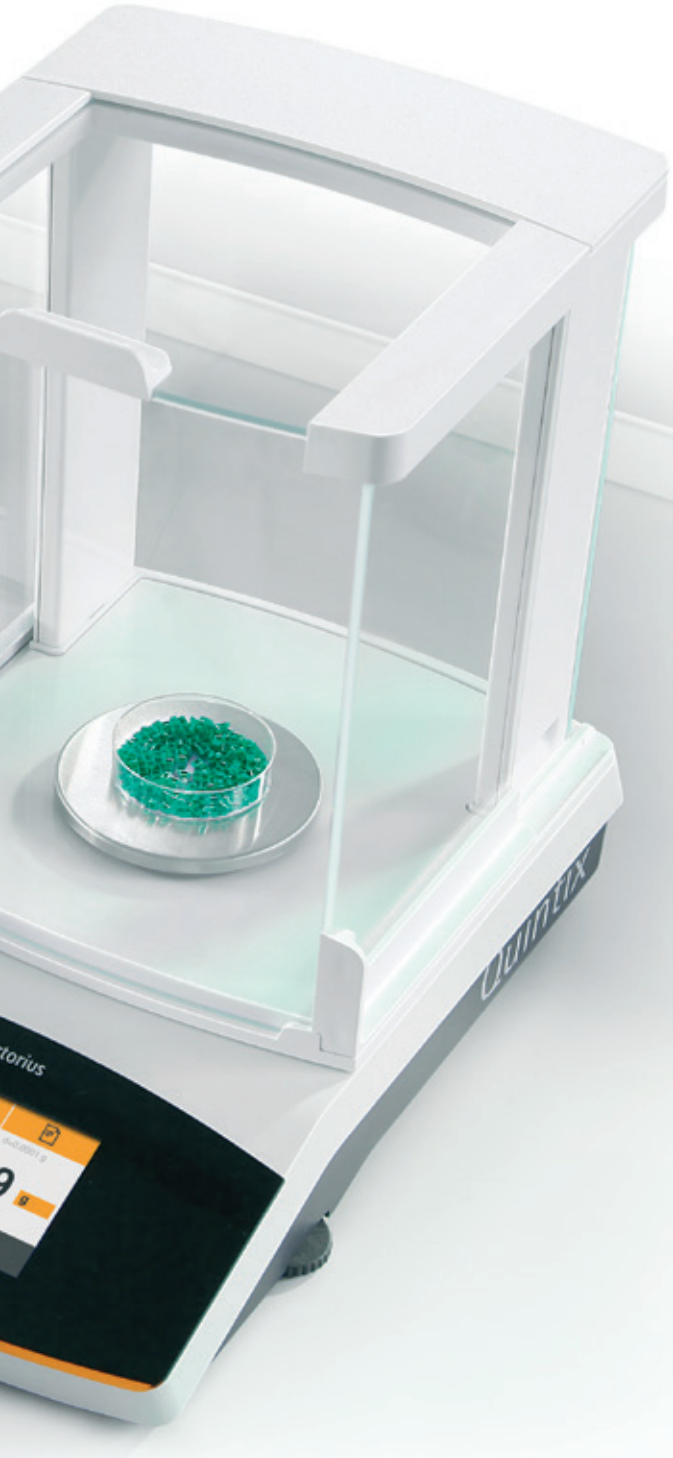
"I just transfer weights and other app data directly into an Excel file at a mouse click, without any additional software or bothering with tweaking this really couldn't be more convenient."



needing the settings –

Easy and Convenient Data Transfer to your PC without the need of extra software by integrated PC-direct function.
Quintix® substantially simplifies processing data in spreadsheets. How? After connecting the USB port on Quintix® to a computer, just open the Windows® application 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.

This Plug & Work technology in Quintix® saves you considerable time and effort in generating fast and reliable documents.



The Sartorius standard printer YDP40 is automatically detected by Quintix®. Thanks to interactive user guidance, Quintix® provides help in generating error-free printouts.



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



Repeatability 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 rigours 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.

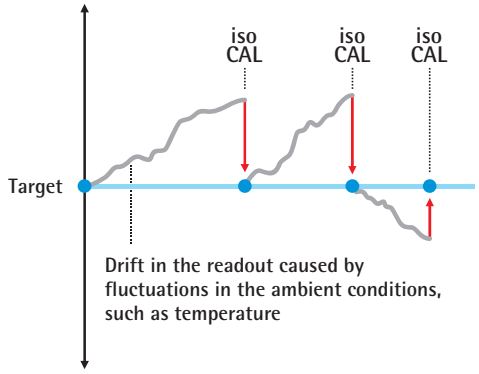



" I don't have to worry about
inaccuracy due to temperature
fluctuations because my Quintix®
eliminates this risk. "
Quintix

Highest Accuracy and Convenience with fully automatic internal temperature- and time-controlled adjustment feature (isoCAL).
Temperature fluctuations have an influence on the accuracy of your weighing results.

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

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



Quintix® Technical Specifications

Model		224	124	64	613	513	313
Design		1	1	1	2	2	2
Weighing capacity	g	220	120	60	610	510	310
Readability	mg	0.1	0.1	0.1	1	1	1
Repeatability	mg	0.1	0.1	0.1	1	1	1
Linearity	mg	0.2	0.2	0.2	2	2	2
Typical response time	s	2	2	2	1	1	1
Pan size diameter	mm	90	90	90	120	120	120
	inches	3.5	3.5	3.5	4.7	4.7	4.7
Height of the weighing chamber	mm	209	209	209	209	209	209
Net weight	kg	4.9	4.9	4.9	4.9	4.9	4.9
	lb	10.8	10.8	10.8	10.8	10.8	10.8
Dimensions D × W × H	mm	360 × 216 × 320 (designs 1+2)					
	inches	14.1 × 8.5 × 12.6 (designs 1+2)					
Versions verified as legal for trade		All models can be obtained with a type-approval certificate for use					
Draft shield for analytical balances (Designs 1+2)		– Analytical draft shield chamber with doors that glide open smoo – Interior chamber featuring spill-proof design; exceptionally easy – All panes can be individually cleaned or exchanged					
Housing		Chemically resistant finish of the housing for the easiest cleaning					
Weigh cell		– Sartorius weigh cell – Mounted on a heavy-duty die-cast plate made of a special alumi – Stable and repeatable weighing results guaranteed, along with					
Calibration		isoCAL – fully automatic, temperature- and time-controlled intern					
Interface		mini USB – Automatic recognition of Sartorius printer models YDP30 and – Direct data transfer to Microsoft® application programs without – Programmable interval for data output – Choice of SBI, xBPI, table format or text format data transfer pro					
Supervisor lock		Menu lock for protection against unintentional changes					
In-use cover		Provides added protection against dirt and scratches; supplied stan					
Anti-theft device		Kensington lock and lug for attaching a chain or a cable					
Built-in application programs		Special lab applications such as Mixing, Components, Statistics and					
Below-balance weighing		Standard, built-in feature					
Accessories		See Quintix® list of accessories					
Development and manufacture		Developed and made in Germany					



Design 1



Design 2



Design 3

213	6102	5102	3102	2102	1102	612	412	6101	5101	2101	6100	5100
2	3	3	3	3	3	3	3	3	3	3	3	3
210	6,100	5,100	3,100	2,100	1,100	610	410	6,100	5,100	2,100	6,100	5,100
1	10	10	10	10	10	10	10	100	100	100	1000	1000
1	10	10	10	10	10	10	10	100	100	100	500	500
2	20	20	20	30	30	30	30	300	300	300	1000	1000
1	1	1	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
120 4.7	180 7	180 7	180 7	180 7	180 7	180 7	180 7	180 7	180 7	180 7	180 7	180 7
209	-	-	-	-	-	-	-	-	-	-	-	-
4.9	5.2	5.2	5.2	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
10.8	11.5	11.5	11.5	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
	360 × 216 × 95 (design 3) 14.1 × 8.5 × 3.75 (design 3)											
in legal metrology												
thly for fatigue-free weighing to clean												
ever												
num alloy minimum dependence on temperature												
al adjustment												
YDP40 any additional software												
tocols												
dard with the balance												
Conversion; plus standard lab applications such as Weighing, Density, Percentage, Checkweighing, Peak Hold, Counting and Unstable Conditions												