sartorius

The New Quintix®.
Redefining Standard.

+163.4767

isoCAL   Max 110 g   d=0.000

Net

+14.8409

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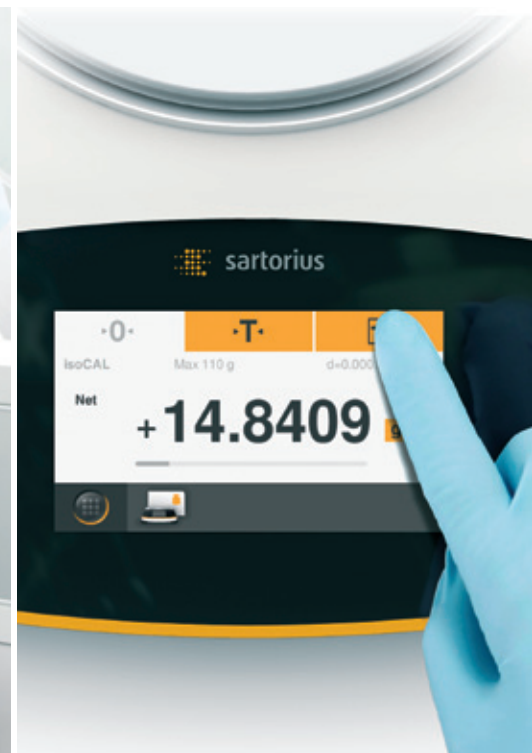
"We found it really simple to use
the new Quintix® right away.
I don't know of any other balance
that is this easy to
operate intuitively."

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 fine-tuning 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 workplace safety requirements: Even if you are wearing several pairs of lab gloves, you can still correctly use all the functions of the balance.
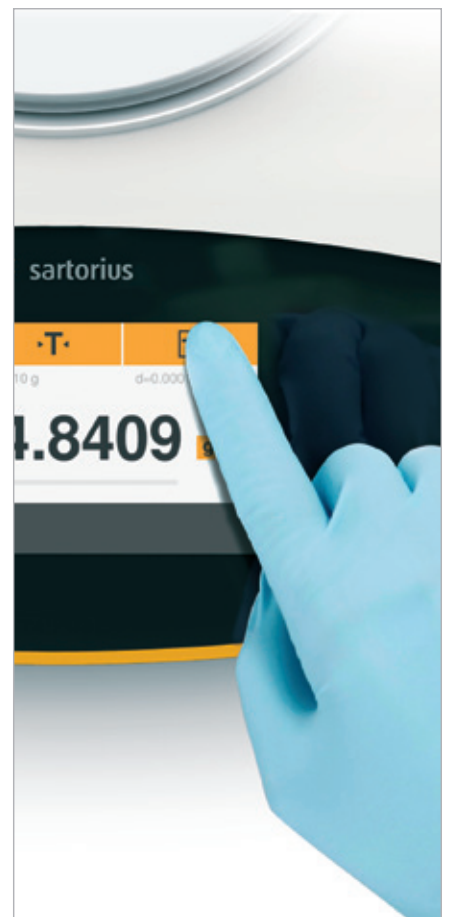
Quintix® comes standard with convenient, built-in applications. These, along with the extensive accessories Sartorius offers, enable you to customize Quintix® to a variety of weight measurement tasks. Take specific gravity. With the built-in Density application and the Sartorius Density Kit, you can effortlessly determine the density of solids and liquids.

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.

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.

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- | GMP-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 standard printer YDP40 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.
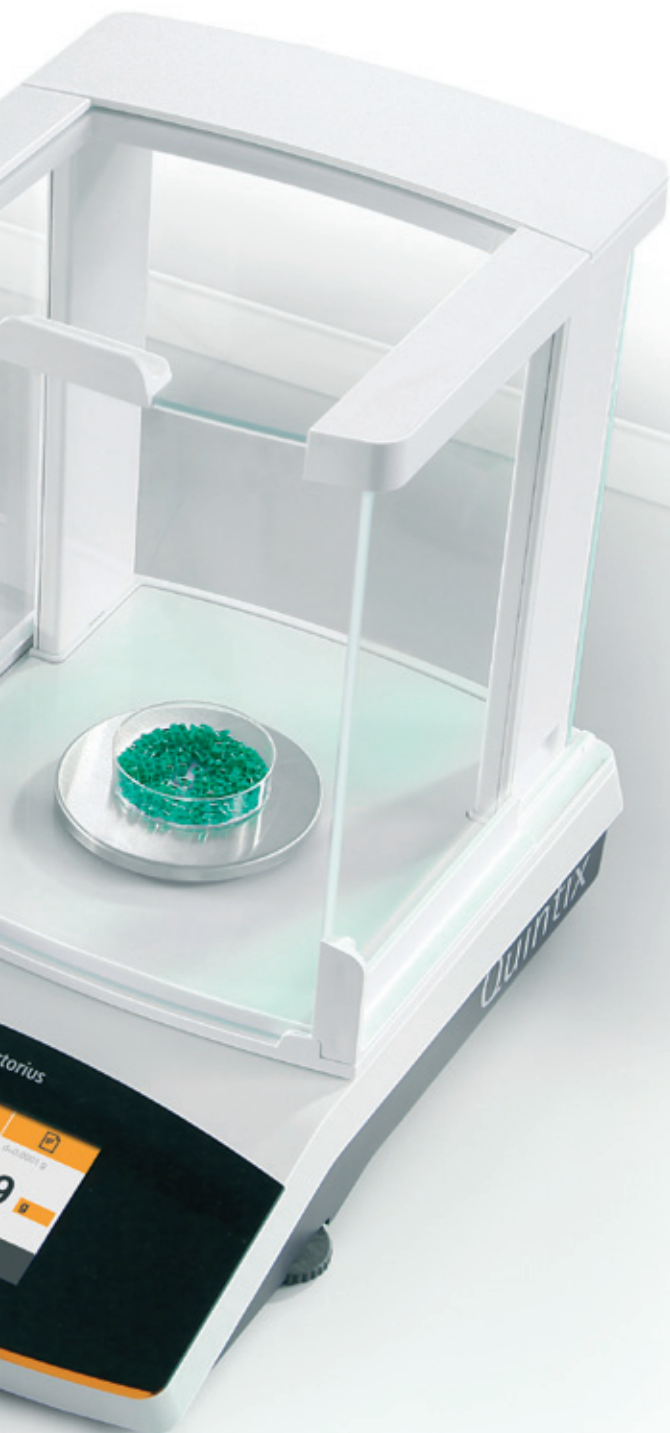
"We use Quintix® non-stop. It's worth its weight in gold because it's a balance you can always depend on."

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 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.

Peace of Mind with isoCAL
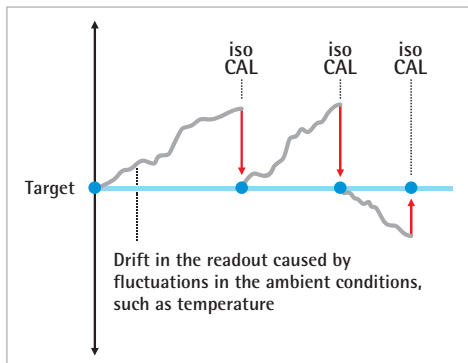
Temperature fluctuations have an influence on the accuracy of your weighing results

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

Each time isoCAL is performed, 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	124	513	313	213	5102	3102	2102	1102	612	5101	5100
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	90	90	120	120	120	180	180	180	180	180	180	180
	inches	3.5	3.5	4.7	4.7	4.7	7	7	7	7	7	7	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											
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 adjustment											
Interface		mini USB – Automatic recognition of Sartorius printer models YDP30 or YDP40 – Direct data transfer to Microsoft® Windows programs without any additional software – Programmable interval for data output – Choice of SBI, xBPI, table format or text format data transfer protocols											
Supervisor lock		Menu 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		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											
Below-balance weighing		Standard, built-in feature											
Accessories		See Quintix® list of accessories											
Development and manufacture		Developed and made in Germany											

Sales and Service Contacts

For further contacts, visit www.sartorius.com

Europe

Germany
Sartorius Weighing Technology GmbH
Weender Landstrasse 94–108
37075 Goettingen

Phone +49.551.308.0
Fax +49.551.308.3289

France & Suisse Romande
Sartorius France S.A.S.
ZI Les Paluds
Avenue de Jouques – CS 31090
13781 Aubagne Cedex

Phone +33.442.845600
Fax +33.442.846545

Austria
Sartorius Austria GmbH
Franzosengraben 12
1030 Vienna

Phone +43.1.7965760.0
Fax +43.1.7965760.24

Belgium
Sartorius Belgium N.V.
Leuvensesteenweg, 248/B
1800 Vilvoorde

Phone +32.2.756.06.71
Fax +32.2.253.45.95

Finland & Baltics
Sartorius Biohit Liquid Handling Oy
Laippatie 1
00880 Helsinki

Phone +358.9.755.951
Fax +358.9.755.95.292

Hungary
Sartorius Hungária Kft.
Kagyló u. 5.
2092 Budakeszi

Phone +3623.457.227
Fax +3623.457.147

Ireland
Sartorius Ireland Ltd.
Unit 41, The Business Centre
Stadium Business Park
Ballycoolin Road
Dublin 11

Phone +353.1.8089050
Fax +353.1.8089388

Italy
Sartorius Italy S.r.l.
Via dell'Antella, 76/A
50012 Antella-Bagno a Ripoli (FI)

Phone +39.055.63.40.41
Fax +39.055.63.40.526

Netherlands
Sartorius Netherlands B.V.
Edisonbaan 24
3439 MN Nieuwegein

Phone +31.30.6053001
Fax +31.30.6052917

Poland
Sartorius Poland sp.z o.o.
ul. Wrzesinska 70
62-025 Kostrzyn

Phone +48.61.6473830
Fax +48.61.6473839

Russian Federation
LLC "Sartorius ICR"
and LLC "Biohit"
Uralskaya str. 4, Lit. B
199155, Saint-Petersburg

Phone +7.812.327.5.327
Fax +7.812.327.5.323

Scandinavia
Sartorius Nordic A/S
Hoerskaetten 6D
2630 Taastrup, Denmark

Phone +45.7023.4400
Fax +45.4630.4030

Spain & Portugal
Sartorius Spain S.A.
Offices in Madrid:
C/ Isabel Colbrand, 10–12, of. 70
28050 Madrid

Phone Spain +34.902.123.367
Phone Portugal +351.800.855.800
Fax Spain +34.91.358.84.85
Fax Portugal +351.800.855.799

Switzerland
Sartorius Mechatronics Switzerland AG
Ringstrasse 24a
8317 Tagelswangen (ZH)

Phone +41.44.746.50.00
Fax +41.44.746.50.50

U.K.
Sartorius UK Ltd.
Longmead Business Centre
Blenheim Road, Epsom
Surrey KT19 9QQ

Phone +44.1372.737159
Fax +44.1372.729927

America

USA
Sartorius Corporation
5 Orville Drive, Suite 200
Bohemia, NY 11716

Phone +1.631.254.4249
Toll-free +1.800.635.2906
Fax +1.631.254.4253

Argentina
Sartorius Argentina S.A.
Int. A. Ávalos 4251
B1605ECS Munro
Buenos Aires

Phone +54.11.4721.0505
Fax +54.11.4762.2333

Brazil
Sartorius do Brasil Ltda
Av. Dom Pedro I, 241
Bairro Vila Pires
Santo André
São Paulo
Cep 09110-001

Phone +55.11.4451.6226
Fax +55.11.4451.4369

Canada
Sartorius Canada Inc.
2179 Dunwin Drive #4
Mississauga, ON L5L 1X2

Phone +1.905.569.7977
Toll-Free +1.800.668.4234
Fax +1.905.569.7021

Mexico
Sartorius de México S.A. de C.V.
Circuito Circunvalación Poniente
No. 149
Ciudad Satélite
53100, Estado de México
México

Phone +52.5555.62.1102
Fax +52.5555.62.2942

Asia | Pacific

Australia
Sartorius Australia Pty. Ltd.
Unit 5, 7-11 Rodeo Drive
Dandenong South Vic 3175

Phone +61.3.8762.1800
Fax +61.3.8762.1828

China
Sartorius Scientific
Instruments (Beijing) Co., Ltd.
33 Yu An Road, Airport Industrial Park
Zone B,
Shunyi District, Beijing 101300 ,
P.R.China

Phone +86.10.8042.6300
Fax +86.10.8042.6486

Hong Kong
Sartorius Hong Kong Ltd.
Unit 1012, Lu Plaza
2 Wing Yip Street
Kwung Tong
Kowloon, Hong Kong

Phone +852.2774.2678
Fax +852.2766.3526

India
Sartorius Weighing India Pvt. Ltd.
#69/2-69/3, NH 48, Jakkasandra,
Nelamangala Tq
562 123 Bangalore, India

Phone +91.80.4350.5250
Fax +91.80.4350.5253

Japan
Sartorius Japan K.K.
4F Daiwa Shinagawa North Bldg.
8-11, Kita-Shinagawa 1-chome
Shinagawa-ku
Tokyo 140-0001

Phone +81.3.3740.5408
Fax +81.3.3740.5406

Malaysia
Sartorius Malaysia Sdn. Bhd
Lot L3-E-3B, Enterprise 4
Technology Park Malaysia
Bukit Jalil
57000 Kuala Lumpur, Malaysia

Phone +60.3.8996.0622
Fax +60.3.8996.0755

Singapore
Sartorius Singapore Pte. Ltd
1 Science Park Road,
The Capricorn, #05-08A,
Singapore Science Park II
Singapore 117528

Phone +65.6872.3966
Fax +65.6778.2494

South Korea
Sartorius Korea Ltd.
8th Floor, Solid Space B/D,
PanGyoYeok-Ro 220, BunDang-Gu
SeongNam-Si, GyeongGi-Do, 463-400

Phone +82.31.622.5700
Fax +82.31.622.5799

Thailand
Sartorius (Thailand) Co. Ltd.
129 Rama 9 Road,
Huaykwang
Bangkok 10310

Phone +66.2643.8361-6
Fax +66.2643.8367

www.sartorius.com