



The New Semi-Micro Balances Quintix®

Benefits

- Top Performance
- Intuitive Operation
- Easy-to-Clean Design
- Ergonomic Draft Shield
- Space-saving Footprint



Product Information

The new Sartorius semi-micro balances feature unsurpassed weighing technology available within their 5-digit class in the standard market segment today. We offer a unique selection, giving you five different models to choose from. These semi-micro balances deliver outstanding performance at an affordable price. Plus, they are backed by the excellent quality standards of products "Made in Germany".

Technical Specifications

AC Adapter

Sartorius AC adaptor module 6971790 with interchangeable country-specific plug-in AC adaptors

Primary 100 – 240 V~, -10%|+10%,
50 – 60 Hz, 0.2 A

Secondary 15 V DC, ± 5%, 530 mA (max.) |
8 Watt (max.): 0 to +40 °C and
15 V DC, ± 5%, 330 mA (max.) |
5 Watt (max.): 0 to +50 °C

Other data protection class II, in accordance
with EN | IEC 60950-1 up to
3000 m above sea level;
IP40 as per EN | IEC 60529

Balance

Power supply only via Sartorius AC adaptor
module 6971790

Input voltage 12.0 – 15.0 V DC

Power consumption 4.5 W (typically)

Ambient Conditions

The specifications apply when the following ambient conditions are in place:

Environment for indoor use only

Ambient temperature * +10 °C to +30 °C

Operational capacity guaranteed between
+5 °C and +45 °C

Storage and shipping -10 °C to +60 °C

Elevation up to 3000 m above sea level

Relative humidity** 15% to 80% for temperatures
up to 31 °C; non-condensing,
decreasing linearly to 50% relative
humidity at 40 °C and 20% at 50 °C

Safety of electrical equipment in accordance with EN 61010-1/
IEC 61010-1. Safety requirements
for electrical equipment for mea-
surement, control, and laboratory
use – Part 1: General requirements

Electromagnetic compatibility in accordance with EN 61326-1/
IEC 61326-1. Electrical equipment
for measurement, control, and
laboratory use – EMC requirements
– Part 1: General requirements

Defined immunity to interference Suitable for use in industrial areas

Interference emission Class B (suitable for use in
residential areas and areas that
are connected to a low voltage
network that also supplies
residential buildings).
The device can therefore be
used in both areas.

Balances verified for use in legal metrology comply with the requirements of Council Directive 2009/23/EC, EN 45501:1992, and OIML R76:2006.

* For balances verified for use in legal metrology in accordance with EU requirements, refer to the information on the balance.

** For balances verified for use in legal metrology in accordance with EU requirements, the legal regulations apply.

Standard Equipment	
Levelling	Glass level indicator with air bubble for centering
Calibration	Internal calibration isoCAL, External calibration
Selectable weight units ¹	Gram, kilogram, carat, pound, ounce, troy ounce, Hong Kong tael, Singapore tael, Taiwan tael, grain, pennyweights, milligram, parts per pound, China tael, mommes, Austrian carat, tola, baht, mesghal and Newton
Interface	mini USB – Automatic recognition of Sartorius printer models YDP30 or YDP40 – Direct data transfer to Microsoft® Windows programs – Programmable interval for data output – Data transfer protocols SBI, xBPI, table format, text format
Display	Touch screen with Sartorius graphical user interface optimized for users in pharmaceutical laboratories
Standard built-in applications	Weighing, Density, Percentage, Checkweighing, Peak Hold, Counting, Unstable Conditions

Standard Equipment	
Special built-in lab applications	Mixing, Components, Statistics, Conversion
Languages	English, French, German, Hungarian, Italian, Polish, Portuguese, Russian, Spanish, Turkish, Chinese, Japanese, Korean
Protection	– IP43 Protection – Chemical resistant finish of the housing – In-use cover – Dust cover for analytical balances
Password protection	Supervisor lock for protection against unintentional changes
Anti-theft lock	Kensington lock and lockdown capability for cable or chain

¹ Limited for verified models



Quintix® Semi-Micro Balances

Model		125D	65	35
Weighing capacity	g	40 60 120	40 60	30
Readability	mg	0.01 0.01 0.1	0.01 0.01	0.01
Repeatability (standard deviation)	mg	0.02 0.04 0.07	0.02 0.04	0.03
Linearity deviation	mg	0.1 0.1 0.2	0.1 0.1	0.1
Sensitivity drift between +10 °C and +30 °C	± ppm/K	1	1	1
Typical stabilization time	s	6 6 2	6 6	6
isoCAL:				
– Temperature change	K	1.5	1.5	1.5
– Time interval	h	4	4	4
Display result (depending on the set filter level)	s	0.2 0.4	0.2 0.4	0.2 0.4
Weighing pan size	mm	∅ 80 (optional ∅ 90)	∅ 80 (optional ∅ 90)	∅ 80 (optional ∅ 90)
Weighing chamber height	mm	218	218	218
Net weight, approx.	kg	7.8	7.8	7.8
Dimensions, D × W × H	mm	376 × 214 × 316		
	Inch	14.8 × 8.4 × 12.4		

Verified Models with Country-specific Type Approval Certificate Quintix® Semi-Micro Balances

Model		125D-1x ¹	65-1x ¹	35-1x ¹
Accuracy class		I	I	I
Type ²		SQP-F	SQP-F	SQP-F
Max	g	60 120	60	30
Scale interval d	g	0.00001 0.0001	0.00001	0.00001
Verification scale interval e	g	0.001	0.001	0.001
Min	g	0.001	0.001	0.001
Tare (subtractive)		<100 % of the max. weighing capacity		
Typical stabilization time	s	6 2	6	6
isoCAL:				
– Temperature change	K	1.5	1.5	1.5
– Time interval	h	4	4	4
Display result (depending on the set filter level)	s	0.2 0.4	0.2 0.4	0.2 0.4
Weighing pan size	mm	∅ 80 (optional ∅ 90)	∅ 80 (optional ∅ 90)	∅ 80 (optional ∅ 90)
Weighing chamber height	mm	218	218	218
Net weight, approx.	kg	7.8	7.8	7.8
Dimensions, D × W × H	mm	376 × 214 × 316		
	Inch	14.8 × 8.4 × 12.4		

¹ Possible terms for country-specific models:

x = CEU: Verified balances with EC Type Approval Certificate D12-09-014 (for EU except France, Italy, and Switzerland)

x = CFR: Verified balances with EC Type Approval Certificate D12-09-014 for France only

x = CIT: Verified balances with EC Type Approval Certificate D12-09-014 for Italy only

x = CCH: Verified balances with EC Type Approval Certificate D12-09-014 for Switzerland only

x = NUS: NTEP Certificate for USA

x = CN: CMC Type Approval Certificate for China

x = OJP: Balance with Type Approval Certificate for Japan

x = OBR: Balance with Type Approval Certificate for Brazil

x = OAR: Balance with Type Approval Certificate for Argentina

x = OKR: Balance with Type Approval Certificate for South Korea

x = ORU: Balance with Type Approval Certificate for Russia

x = OIN: Balance with Type Approval Certificate for India

x = OCA: Balance with Type Approval Certificate for Canada

² All models with "...CN": type "SQP"

Optional Accessories

Printers and Communications

Premium GLP Laboratory Printer	YDP30
– Printer paper for GLP laboratory printer	69Y03285
– Endless labels for GLP laboratory printer	69Y03286

Standard Laboratory Printer	YDP40
– Printer paper for standard laboratory printer	69Y03287

Data communication cable, USB USB A	YCC04-D09
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Data communication cable, mini USB RS232, 9-pin	YCC03-D09
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Data communication cable, mini USB RS232, 25-pin	YCC03-D25
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General

Battery pack for standard lab balances	YRB11Z
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In-use cover for semi-micro balances	6930MA03
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Dust cover for semi-micro balances	6960SE04
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Weighing pan, 80 mm, slotted	YSP01SQP
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Weighing pan, 90 mm; includes conversion kit	YWP01SQP
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Filter weighing pan, 130 mm	YFW01SQP
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Density Determination

Density kit for semi-micro balances	YDK05
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Calibration Weights

For lab balance models 125; 65	YCW452-AC-02
– Proof Line knob weight 50 g, OIML class E2, including DAkKS certificate	

For lab balance model 35	YCW422-AC-02
– Proof Line knob weight 20 g, OIML class E2, including DAkKS certificate	



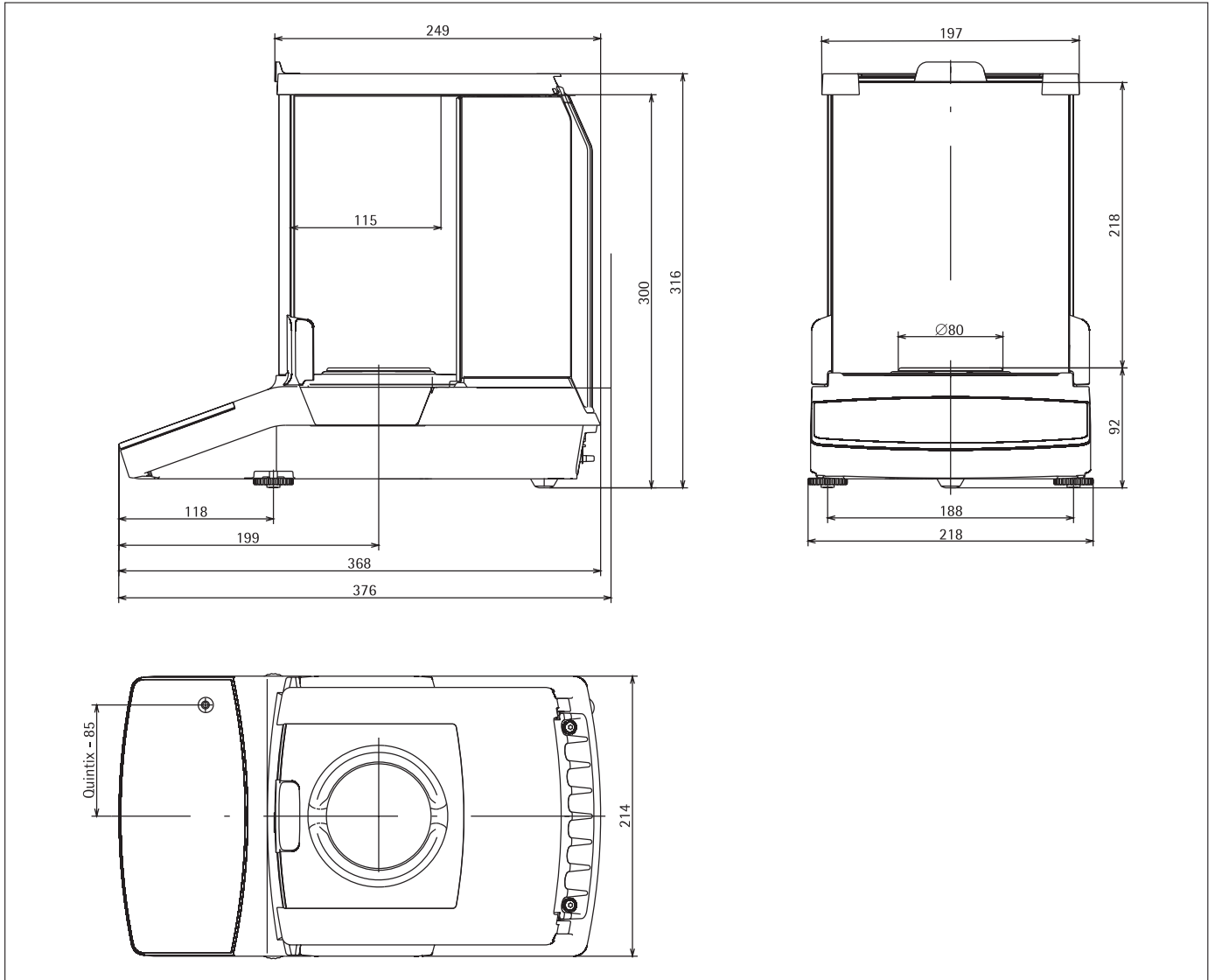
Calibration Weights



YDP40, Standard Laboratory Printer

Technical Drawings

Models with a readability of 0,01 mg
in mm



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