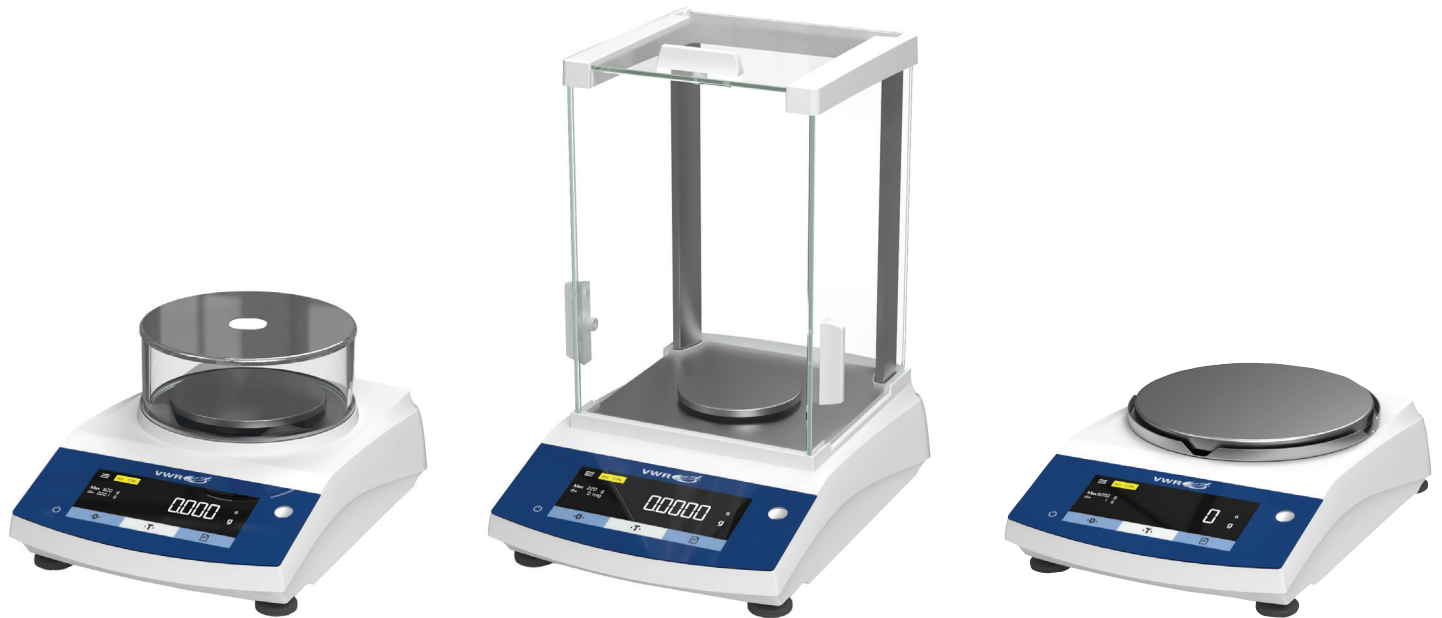


VWR[®] balances and accessories premium line

- 01. BEST PRICE/QUALITY RATIO
- 02. EASY & EFFICIENT
- 03. CONNECTIVITY





VWR® balances and accessories premium line

A selection of 44 high-level balances for basic applications, with intuitive, wear resistant LED touchscreen to use in research or quality control.

These high-quality balances are made from polybutylene terephthalate (PBT) for the housing, which has an excellent chemical resistance. The control unit is made from glass, the glass of the draught shields is specially coated to minimise weighing errors by electrostatically charged samples. The weighing pan is from stainless steel.

Highly accurate results with high-end weighing technology

- Fast stabilisation time
- Easy to clean and high chemical resistance.
- Future-proof USB type C interface
- Industry-proof RS232 9-pin interface
- Underfloor weighing

- 6 built-in applications with GLP/GMP compliant data output: Weighing & dosing – counting – percentage weighing – density determination – mass unit conversion – animal weighing.
- The balance menu is available in the following 8 languages : English, French, German, Italian, Polish, Portuguese, Spanish, Russian
- All models come with one USB type C and one RS232 9-pin interface, available data transfer protocols are PC spreadsheet protocol, PC text protocol or Ascii protocols

The balances denoted by I in the model name have internal "One-Touch-Calibration".

The balances denoted by FC in the model name are delivered with a factory certificate.

Certifications: EN 61326-1:2013, EN 61010-1: 2010, EN 61010-2-010:2014, EN 50581:2012, IEC 60664-1

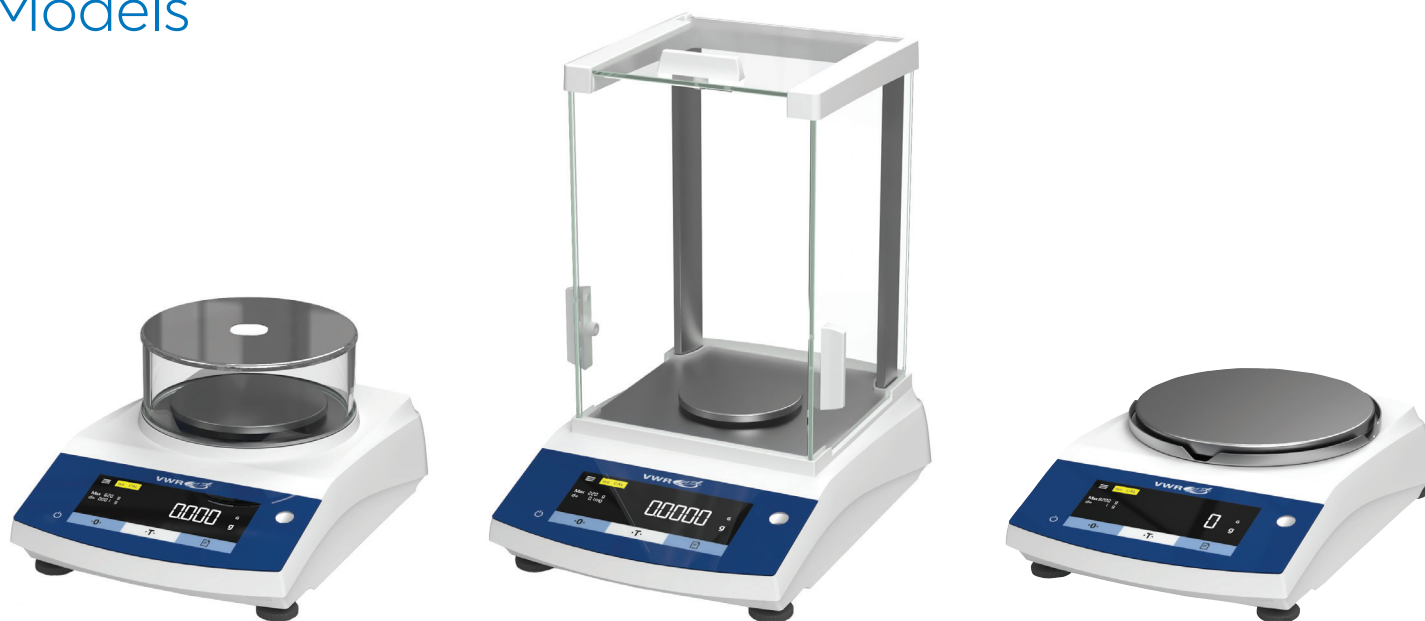
Technical specifications



Model		PBA224*	PBA124*	PBP623*	PBP423*	PBP6202*	PBP4202*	PBP2202*	PBP8201*	PBP5201*	PBP2201*	PBP8200*
Readability Scale interval (d)	mg	0,1	0,1	1	1	10	10	10	100	100	100	1000
Maximum capacity (Max)	g	220	120	620	420	6200	4200	2200	8200	5200	2200	8200
Weighing system												
Balances with internal weight		EMC	EMC	EMC	EMC	EMC	EMC	EMC	EMC	EMC	EMC	EMC
Weighing system												
Balances with external weight		EMC	EMC	EMC	EMC	EMC	EMC	Strain gauge	Strain gauge	Strain gauge	Strain gauge	Strain gauge
Repeatability at approx.												
maximum load, typical value	± mg	0,1	0,1	1	1	10	10	10	100	100	100	1,000
Linearity deviation limits												
Balances with internal weight	± mg	0,2	0,2	2	2	20	20	20	100	100	100	1,000
Linearity deviation limits												
Balances with external weight	± mg	0,2	0,2	2	2	20	20	20	300	300	300	1,000
Sensitivity drift between												
+10 °C and +30 °C												
Balances with internal weight	± ppm/K	1,5	1,5	2	2	2	2	2	4	2	2	4
Sensitivity drift between												
+10 °C and +30 °C												
Balances with external weight	± ppm/K	1,5	1,5	2	2	2	2	3,5	7	7	7	7
Tare maximum capacity (subtractive)												
		<100% of maximum capacity										
Typical measurement time	s	≤2,0	≤2,0	≤1,5	≤1,5	≤1,0	≤1,0	≤1,0	≤1,0	≤1,0	≤1,0	≤1,0
Recommended calibration weight	g	200	100	500	200	5.000	2.000	2.000	5.000	5.000	2.000	5.000
Accuracy class in accordance with OIML R111-1												
		E2	E2	F1	F1	F1	F1	F1	F2	F2	F2	F2
Weighing pan size	mm	Ø 90	Ø 90	Ø 120	Ø 120	Ø 180	Ø 180	Ø 180	Ø 180	Ø 180	Ø 180	Ø 180
Weighing chamber height*	mm	240	240	50	50	-	-	-	-	-	-	-
Net weight approx.												
Balances with internal weight,	kg	6,20	6,20	4,80	4,80	6,00	6,00	6,00	6,00	6,00	6,00	6,00
Net weight approx.												
Balances with internal weight,	kg	5,90	5,90	4,50	4,50	4,40	4,40	4,10	3,90	3,90	3,90	3,90
Gross weight approx.												
Balances with external weight	kg	8,00	8,00	6,20	6,20	6,80	6,80	6,80	6,80	6,80	6,80	6,80
Net weight approx.												
Balances with external weight,	kg	7,70	7,70	5,80	5,80	5,20	5,20	4,90	4,70	4,70	4,70	4,70

* Upper edge of the weighing pan to the lower edge of the upper draft shield panel

Models



Model	Weighing cap (g)	Readability (mg)	Internal Calibration weight	Factory Calibration Certificate	Draught shield	Cat. No.
PBA224I-1S	220	0.1	Yes	No	3 door	611-4798
PBA124I-1S	120	0.1	Yes	No	3 door	611-4794
PBA224I-1S-FC	220	0.1	Yes	Yes	3 door	611-4800
PBA124I-1S-FC	120	0.1	Yes	Yes	3 door	611-4796
PBA224-1S	220	0.1	No	No	3 door	611-4797
PBA124-1S	120	0.1	No	No	3 door	611-4793
PBA224-1S-FC	220	0.1	No	Yes	3 door	611-4799
PBA124-1S-FC	120	0.1	No	Yes	3 door	611-4795
PBP623I-1S	620	1	Yes	No	Circular	611-4806
PBP423I-1S	420	1	Yes	No	Circular	611-4802
PBP623I-1S-FC	620	1	Yes	Yes	Circular	611-4808
PBP423I-1S-FC	420	1	Yes	Yes	Circular	611-4804
PBP623-1S	620	1	No	No	Circular	611-4805
PBP423-1S	420	1	No	No	Circular	611-4801
PBP623-1S-FC	620	1	No	Yes	Circular	611-4807
PBP423-1S-FC	420	1	No	Yes	Circular	611-4803
PBP6202I-1S	6,200	10	Yes	No	-	611-4818
PBP4202I-1S	4,200	10	Yes	No	-	611-4814
PBP2202I-1S	2,200	10	Yes	No	-	611-4810
PBP8201I-1S	8,200	100	Yes	No	-	611-4830
PBP5201I-1S	5,200	100	Yes	No	-	611-4826
PBP2201I-1S	2,200	100	Yes	No	-	611-4822
PBP8200I-1S	8,200	1000	Yes	No	-	611-4834
PBP6202I-1S-FC	6200	10	Yes	Yes	-	611-4820
PBP4202I-1S-FC	4200	10	Yes	Yes	-	611-4816
PBP2202I-1S-FC	2200	10	Yes	Yes	-	611-4812
PBP8201I-1S-FC	8200	100	Yes	Yes	-	611-4832
PBP5201I-1S-FC	5200	100	Yes	Yes	-	611-4828
PBP2201I-1S-FC	2200	100	Yes	Yes	-	611-4824
PBP8200I-1S-FC	8200	1000	Yes	Yes	-	611-4836
PBP6202-1S	6200	10	No	No	-	611-4817
PBP4202-1S	4200	10	No	No	-	611-4813
PBP2202-1S	2200	10	No	No	-	611-4809
PBP8201-1S	8200	100	No	No	-	611-4829
PBP5201-1S	5200	100	No	No	-	611-4825
PBP2201-1S	2200	100	No	No	-	611-4821
PBP8200-1S	8200	1000	No	No	-	611-4833
PBP6202-1S-FC	6200	10	No	Yes	-	611-4819
PBP4202-1S-FC	4200	10	No	Yes	-	611-4815
PBP2202-1S-FC	2200	10	No	Yes	-	611-4811
PBP8201-1S-FC	8200	100	No	Yes	-	611-4831
PBP5201-1S-FC	5200	100	No	Yes	-	611-4827
PBP2201-1S-FC	2200	100	No	Yes	-	611-4823
PBP8200-1S-FC	8200	1000	No	Yes	-	611-4835

Laser engraving improving the legibility of markings



Calibration weights for premium line

VWR offers a large range of calibration weights delivered with or without an accredited calibration certificate. The weights are made from solid, anti-magnetic, polished stainless steel.

- Identification number guarantees traceability for weights from 1 g upwards
- Laser engraving improves legibility of the markings
- Available with or without COFRAC certificate

Certifications: Conform to OIML R111 recommendations

- Certificate is recognised in many countries which have signed multi- EA and bilateral agreements

- EA: European cooperation for accreditation - <http://www.european-accreditation.org>
- Main European countries: UK (UKAS) – Germany (DKD), France (Cofrac)

Customer benefits

- Traceable weights with laser printing
- Delivered with or without accredited calibration certificate
- Can be recalibrated
- Complete portfolio of weights, separate or in sets

For the complete portfolio see our chapter on calibration weights or visit our website (<https://uk.vwr.com/store/category/weights/600732?supplierFilter=VWRI>)



WEIGHTS FOR PBA AND PBP BALANCES:

Class	Weighing (g)	Tolerance	Box	Certificate	Cat. No.
E2	100	0,16 ± mg	Plastic	No	611-8116
E2	100	0,16 ± mg	Plastic	Yes	611-8146
E2	200	0,30 ± mg	Plastic	No	611-8117
E2	200	0,30 ± mg	Plastic	Yes	611-8147
F1	200	1,0 ± mg	Plastic	No	611-8217
F1	200	1,0 ± mg	Plastic	Yes	611-8247
F1	500	2,5 ± mg	Wood	yes	611-8040
F1	500	2,5 ± mg	Plastic	No	611-8218
F1	500	2,5 ± mg	Plastic	Yes	611-8248
F1	2000	10 ± mg	Wood	Yes	611-8042
F1	2000	10 ± mg	Plastic	No	611-8220
F1	2000	10 ± mg	Plastic	Yes	611-8250
F1	5000	25 ± mg	Wood	Yes	611-8049
F1	5000	25 ± mg	Plastic	No	611-8221
F1	5000	25 ± mg	Plastic	Yes	611-8251

ACCESSORIES FOR PREMIUM LINE

Description	Cat. No.
Dot Printer TTX-110: high speed dot printing, 184x64 OLED display	611-4790
Density kit for analytical balances	611-2675
Dust cover for balances with analytical draft shield	630-0876
Anti-theft cable	611-4916
Power supply	611-4917
Date cable USB type C to USB type A	611-4918
Date cable USB type C to USB type B	611-4919
Data cable RS232 9-PIN M to USB type A	611-4920

Setting science in motion to create a better world

From breakthrough discovery to agile delivery, we offer an extensive portfolio of mission-critical products, services, and solutions. We are a trusted global partner to customers in the life sciences, advanced technologies, and applied materials industries.



VWR, part of Avantor provides an integrated, seamless purchasing experience optimized for your success.

Shop now at www.vwr.com

Contact us at sales@vwr.com

Setting science in motion to create a better world



AUSTRIA

VWR International GmbH
Graumannsgasse 7
1150 Wien
Tel.: +43 1 97 002 0
info.at@vwr.com

BELGIUM

VWR International bv
Researchpark Haasrode 2020
Geldenaaksebaan 464
3001 Leuven
Tel.: +32 (0) 16 385 011
vwr.be@vwr.com

CZECH REPUBLIC

VWR International s. r. o.
Veetee Business Park
Pražská 442
CZ - 281 67 Stříbrná Skalice
Tel.: +420 321 570 321
info.cz@vwr.com

DENMARK

VWR International A/S
Tobaksvejnen 21
2860 Søborg
Tel.: +45 43 86 87 88
info.dk@vwr.com

FINLAND

VWR International Oy
Valimotie 9
00380 Helsinki
Tel.: +358 (0) 9 80 45 51
info.fi@vwr.com

FRANCE

VWR International S.A.S.
Le Périgares – Bâtiment B
201, rue Carnot
94126 Fontenay-sous-Bois cedex
Tel.: 0 825 02 30 30* (national)
Tel.: +33 (0) 1 45 14 85 00
(international)
info.fr@vwr.com
* 0,18 € TTC/min + prix appel

GERMANY

VWR International GmbH
Hilpertstraße 20a
D - 64295 Darmstadt
Tel.: 0800 702 00 07* (national)
Tel.: +49 (0) 6151 3972 0 (international)
info.de@vwr.com
*Freecall

HUNGARY

VWR International Kft.
Simon László u. 4.
4034 Debrecen
Tel.: +36 52 521130
info.hu@vwr.com

IRELAND

VWR International Ltd
Orion Business Campus
Northwest Business Park
Ballycoolin
Dublin 15
Tel.: +353 (0) 1 88 22 222
sales.ie@vwr.com

ITALY

VWR International S.r.l.
Via San Giusto 85
20153 Milano (MI)
Tel.: +39 02 3320311
info.it@vwr.com

THE NETHERLANDS

VWR International B.V.
Postbus 8198
1005 AD Amsterdam
Tel.: +31 (0) 20 4808 400
info.nl@vwr.com

NORWAY

VWR International AS
Brynsalleen 4,
0667 Oslo
Tel.: +47 22 90 00 00
info.no@vwr.com

POLAND

VWR International Sp. z o.o.
Limbowa 5
80-175 Gdansk
Tel.: +48 58 32 38 200
info.pl@vwr.com

PORTUGAL

VWR International - Material de
Laboratório, Lda
Centro Empresarial de Alfragide
Rua da Indústria, nº 6
2610-088 Amadora
Tel.: +351 21 3600 770
info.pt@vwr.com

SPAIN

VWR International Eurolab S.L.U.
C/ Tecnología 5-17
A-7 Llinars Park
08450 - Llinars del Vallès
Barcelona
Tel.: +34 902 222 897
info.es@vwr.com

SWEDEN

VWR International AB
Fagerstagatan 18a
163 94 Stockholm
Tel.: +46 (0) 8 621 34 00
kundservice.se@vwr.com

SWITZERLAND

VWR International GmbH
Lerzenstrasse 16/18
8953 Dietikon
Tel.: +41 (0) 44 745 13 13
info.ch@vwr.com

UK

VWR International Ltd
Customer Service Centre
Hunter Boulevard - Magna Park
Lutterworth
Leicestershire
LE17 4XN
Tel.: +44 (0) 800 22 33 44
uksales@vwr.com

CHINA

VWR (Shanghai) Co., Ltd
Bld.No.1, No.3728 Jinke Rd,
Pudong New District
Shanghai, 201203- China
Tel.: 400 821 8006
info_china@vwr.com

INDIA

Avantor Performance Materials
India Limited
17th Floor, Building No. 5, Tower C
DLF Cyber City Phase - III
Gurgaon - 122002, Haryana
Tel.: +91-1244-65-6700
help@avantorsciences.com

KOREA

VWR International ~
17, Daehak 4-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do
Tel.: +82 31 645 7256
saleskorea@avantorsciences.com

MIDDLE EAST & AFRICA

VWR International FZ-LLC
Office 203, DSP Lab Complex,
Dubai Science Park,
Dubai, United Arab Emirates
Tel.: +971 4 5573271
Info.mea@vwr.com

SINGAPORE

VWR Singapore Pte Ltd
18 Gul Drive
Singapore 629468
Tel.: +65 6505 0760
sales.sg@vwr.com

GO TO [VWR.COM](https://www.vwr.com) FOR THE LATEST NEWS, SPECIAL OFFERS AND DETAILS FROM YOUR LOCAL VWR SUPPORT TEAM