

Balances/Pocket balances

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1 Hanging Scales HDB-N

Convenient for hanging loads.

Kern & Sohn

- Ideal for quick checking in goods receiving and shipping, also suitable for cases.
- Data hold function: For easy reading of the weight, the display can be "frozen" in different ways. Either automatically when the weighing value remains unchanged or manually by pressing the Hold key
- Hook (stainless steel), can be hinged
- Batteries included, 2 x 1.5 V AAA, operating time approx. 180 h, AUTOOFF function to preserve the battery (can be switched off)

Type	Dimensions (W x D x H) mm	Capacity	Readability	Weight	PK	Cat. No.
		kg	g	g		
HDB 5K5N	72 x 25 x 105	5	5	200	1	6.231 173
HDB 10K10N	72 x 25 x 105	10	10	450	1	7.633 920
HDB 30K-2XL	107 x 25 x 101	30	20	200	1	4.660 770
HDB 10K-2XL	107 x 25 x 101	15	10	200	1	4.660 771
HDB 6K-3XL	107 x 25 x 101	6	5	200	1	4.660 772

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2 Pocket balances TGC

NEW

Slim pocket balance with large stainless steel weighing plate and practical tare pan.

Kern & Sohn

- High-resolution
- Particularly rapid reaction and stabilisation time
- Cover made of shock proof plastic, can also be used as a weighing pan
- Stainless steel weighing plate
- LCD display

Specifications

Total dimension (W x D x H):	100 x 130 x 18 mm
Weight:	200 g
Temperatur range:	0 ... 40°C
Power supply:	Batteries 2 x CR2032
Operating time:	33 h

Type	Capacity	Readability	Plate diam.	PK	Cat. No.
	g	g	mm		
TGC 150-2	150	0.01	81	1	4.671 678
TGC 500-1	500	0.1	81	1	4.671 679
TGC 1K-3	1000	1.0	81	1	4.671 680

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3 Precision balances Type EMB

The Precision balances EMB are entry-level devices in the field of laboratory balances.

Kern & Sohn

They can be stacked with a stack frame (optionally available) and can also be operated by battery, as an alternative to mains power, which means that they have the flexibility to be used in different locations.

- Simple and convenient 2-key operation
- Tare function facilitates formulation work
- Flat design
- Batteries included
- EMB 100-3 with ring-shaped draught shield
- Hook for underfloor weighing
- Large LCD display
- AUTO-OFF function after 3 min

Dimensions (W x D x H):	170 x 240 x 39 mm
EMB 100-3/EMB1000-2:	170 x 240 x 54 mm
Net weight:	approx. 750 g

Type	Capacity	Readability	Reproducibility	Linearity	Plate diam.	PK	Cat. No.
	g	g	g	± g	mm		
EMB 100-3	100	0.001	0.001	0.005	82	1	6.238 426
EMB 200-3	200	0.001	0.001	0.005	82	1	7.655 256
EMB 200-2	200	0.01	0.01	0.02	105	1	9.901 320
EMB 600-2	600	0.01	0.01	0.03	105	1	9.901 321
EMB 1000-2	1000	0.01	0.01	0.05	150	1	6.235 728
EMB 2000-2	2000	0.01	0.01	0.05	150	1	7.670 022
EMB 500-1	500	0.1	0.1	0.2	150	1	9.901 322
EMB 1200-1	1200	0.1	0.1	0.3	150	1	9.901 323
EMB 3000-1	3000	0.1	0.1	0.3	150	1	6.258 933
EMB 6000-1	6000	0.1	0.1	0.3	150	1	6.254 494
EMB 2200-0	2200	1.0	1.0	2.0	150	1	9.901 371
EMB 5.2K1	5200	1.0	1.0	3.0	150	1	9.901 324
EMB 5.2 K 5	5200	5.0	5.0	10.0	150	1	9.901 372

1 Precision balance EHA



Kern & Sohn

The compact all-round model for laboratory, industry and teaching.

- High precision
- Large, shock proof weighing plate made from stainless steel
- Particularly flat design
- Simple and convenient 5-key operation
- Level indicator and levelling feet as standard
- Adjusting program CAL for quick setting of the balance accuracy
- Battery operation
- Universal mains adapter EU, GB

Type	Capacity	Readability	Reproducibility	Linearity	Plate dimensions	PK	Cat. No.
	g	g	g	± g	mm		
EHA 500-2	500	0.01	0.03	0.02	Ø 105	1	4.671 682
EHA 500-1	500	0.1	0.3	0.2	Ø 105	1	4.671 681
EHA 3000-1	3000	0.1	0.3	0.3	120 x 120	1	4.671 684
EHA 3000-0	3000	1	3	2	120 x 120	1	4.671 683

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2 Compact balances Compass™ CX

OHAUS

Balance series with high battery life for daily weighing tasks. With a large weighing platform for a variety of mobile weighing applications in laboratories, industry and education.

- Battery life up to 1000 hours in continuous operation
- Backlit LCD display, digit height 18 mm
- Easy and convenient 2-button operation
- ABS housing and stainless steel weighing platform with non-slip feet

Scope of delivery: Balance incl. 3 AA batteries included.

Please order power adapter separately.

Dimensions (W x D x H): 135 x 201 x 41 mm
 Dimensions plate (W x D): 128 x 142 mm
 Weight: 500 g

Type	Capacity	Readability	PK	Cat. No.
	g	g		
CX221	220	0.1	1	6.275 393
CX621	620	0.1	1	6.275 416
CX1201	1200	0.1	1	6.275 417
CX2200	2200	1.0	1	6.275 418
CX5200	5200	1.0	1	6.275 419

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3 Compact balances Compass™ CR

OHAUS

Economic balance series for basic weighing. With a large weighing platform for a variety of mobile weighing applications in laboratories, industry and education.

- Battery life up to 300 hours in continuous operation
- Backlit LCD display, digit height 15 mm
- Easy and convenient 2-button operation
- ABS housing and weighing platform with non-slip feet

Scope of supply: Balance incl. 3 AA batteries included.

Please order power adapter separately.

Dimensions (W x D x H): 140 x 205 x 41 mm
 Dimensions plate (W x D): 125 x 132 mm
 Weight: 400 g

Type	Capacity	Readability	PK	Cat. No.
	g	g		
CR221	220	0.1	1	6.275 420
CR621	620	0.1	1	6.275 421
CR2200	2200	1.0	1	6.275 422
CR5200	5200	1.0	1	6.275 423

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Suitable accessories can be found in our online shop.

3. Analytical measurement and testing

Balances/Pocket balances

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6.281 350

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6.281 354

Portable Balances, Scout® SKX

- Superior overload protection and practical stackable design for convenient storage
- Bright backlit LCD and 4 button operation make the new scout easy to see and use
- Multiple connectivity options are available for data logging and communication
- Fast weighing speed and high resolution delivers repeatable and reliable results
- Application: Weighing, density determination, mole weighing
- Display: Backlit LCD: 6-digit 7-segment with white LED backlight
- Operation: AC adapter (included), batteries (not included)
- Communication: Optional RS232, USB host, USB device, Bluetooth or Ethernet
- Construction: ABS housing, stainless steel pan, replaceable in-use cover
- Design Features: Fast stabilization time, menu lock switch, stackable design, security slot, integral weigh below hook for below balance weighing applications, transportation lock, removable stainless steel weighing platform, stability indicator, overload and underload indicators, low battery indicator, auto shut-off

OHAUS

Type	Plate dimensions	Capacity	Readability	PK	Cat. No.
	mm	g	g		
SKX123	diam. 93	120	0.001	1	6.281 344
SKX222	diam. 120	220	0.01	1	6.281 345
SKX422	diam. 120	420	0.01	1	6.281 346
SKX622	diam. 120	620	0.01	1	6.281 347
SKX1202	170 x 140	1200	0.01	1	6.281 348
SKX2202	170 x 140	2200	0.01	1	6.281 349
SKX421	diam. 120	420	0.1	1	6.281 350 1
SKX621	170 x 140	620	0.1	1	6.281 351
SKX2201	170 x 140	2200	0.1	1	6.281 352
SKX6201	170 x 140	6200	0.1	1	6.281 353
SKX8200	170 x 140	8200	1	1	6.281 354 2

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Portable Balances, Scout® STX

- Navigate quickly and efficiently using the informative color touchscreen display
- Fast weighing speed and high resolution deliver repeatable and reliable results
- Superior overload protection and stackable storage drive overall durability
- Multiple weighing modes and languages for simplified weighing
- Application: Weighing, percent weighing, parts counting, check weighing, dynamic/animal weighing, totalization, density determination, display hold, mole weighing
- Display: Full-color touchscreen WQVGA graphic LCD (4.3" diagonal), QWERTY keyboard and numeric keypad to quickly input GLP and GMP data and other application data
- Operation: AC adapter (Included), batteries (not included)
- Communication: Optional RS232, USB host, USB device, Bluetooth or Ethernet
- Construction: ABS housing, stainless steel pan, replaceable in-use cover
- Design Features: Fast stabilization time, up-front level indicator, up to 9 operating languages, save-to-USB function, menu lock switch, stackable design, security slot, integral weigh below hook for below balance weighing applications, transportation lock, removable stainless steel weighing platform, stability indicator, overload and underload indicators, low battery indicator, auto shut-off

OHAUS

Type	Plate dimensions	Capacity	Readability	PK	Cat. No.
	mm	g	g		
STX123	diam. 93	120	0.001	1	6.281 355
STX223	diam. 93	220	0.001	1	6.281 356
STX222	diam. 120	220	0.01	1	6.281 357
STX422	diam. 120	420	0.01	1	6.281 358
STX622	diam. 120	620	0.01	1	6.281 359
STX1202	170 x 140	1200	0.01	1	6.281 360
STX2202	170 x 140	2200	0.01	1	6.281 361
STX421	diam. 120	420	0.1	1	6.281 362 3
STX621	170 x 140	620	0.1	1	6.281 363
STX2201	170 x 140	2200	0.1	1	6.281 364
STX6201	170 x 140	6200	0.1	1	6.281 365
STX8200	170 x 140	8200	1	1	6.281 366 4

Suitable accessories can be found in our online shop.

Portable Balances Navigator™

The rugged and multifunctional Navigator™ is a powerful balance for essential weighing applications as weighing, parts counting, percent weighing and checkweighing, providing high accuracy and repeatability for laboratory, industry and education.

OHAUS

- Backlit LCD display, digit size 20 mm
- 4 quick keys for easy operation of multiple weighing modes
- User-selectable external span calibration or linearity calibration, digital with external weight
- ABS housing with stainless steel weighing plate
- Stability indicator and low-battery indicator
- Optional RS232, USB or Ethernet interfaces

Please note:

Models with type suffix M are approved devices according to EN 45501 Class III

Scope of supply: Balance, mains adapter

Type	Capacity	Readability	Plate dimensions	Dimensions (W x D x H)	Weight	PK	Cat. No.
	g	g	mm	mm	kg		
NV222	220	0.01	Ø 145	204 x 230 x 70	1.0	1	4.668 242 1
NV422	420	0.01	Ø 145	204 x 230 x 70	1.0	1	4.668 243
NV622	620	0.01	Ø 145	204 x 230 x 70	1.0	1	4.668 244
NV221	220	0.1	190 x 144	204 x 230 x 70	1.0	1	4.668 245 2
NV621	620	0.1	190 x 144	204 x 230 x 70	1.0	1	4.667 893
NV1201	1200	0.1	190 x 144	204 x 230 x 70	1.0	1	4.668 246
NV2201	2200	0.1	190 x 144	204 x 230 x 70	1.0	1	4.668 247
NVT2201	2200	0.1	230 x 174	240 x 250 x 74	1.5	1	4.668 248
NVT4201	4200	0.1	230 x 174	240 x 250 x 74	1.5	1	4.668 249
NVT6201	6200	0.1	230 x 174	240 x 250 x 74	1.5	1	4.668 251
NVT2200	2200	1.0	230 x 174	240 x 250 x 74	1.5	1	4.668 250
NVT6200	6200	1.0	230 x 174	240 x 250 x 74	1.5	1	4.668 252
NVT12000	12000	1.0	230 x 174	240 x 250 x 74	1.5	1	4.668 253
NVT22000	22000	1.0	230 x 174	240 x 250 x 74	1.5	1	6.275 499
NVT1601M	1600	0.5	230 x 174	240 x 250 x 74	1.5	1	4.668 254
NVT3200M	3200	1.0	230 x 174	240 x 250 x 74	1.5	1	4.668 255
NVT6400M	6400	2.0	230 x 174	240 x 250 x 74	1.5	1	4.668 256
NVT16000M	16000	5.0	230 x 174	240 x 250 x 74	1.5	1	4.668 259

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3 4 Digital weighing platforms KDP



Kern & Sohn

Universal weighing platforms for flexible connection into process chains. All recorded values can be transferred to the system as digital data using the available interfaces and processed further.

Searching and remote control of the balance using external control devices or computers with the KERN Communication Protocol (KCP). KCP is a standardised interface command structure for KERN balances and other instruments which allows you to recall and manage all relevant parameters and device functions. You can therefore simply connect KERN devices with KCP to computers, industrial control systems and other digital systems. In a large number of cases the KCP is compatible with the MT-SICS protocol. DAKKS calibration certificate optionally available.

- PRE-TARE function
- Freely programmable weighing unit
- Level indicator and levelling feet

Scope of supply: Digital weighing platform KDP, Software balance connection, universal mains adapter (EU, GB, CH, USA), KDP 300-3 additionally with draught shield

Specifications

Overall dimensions (W x D x H):	165 x 166 x 75 mm
Cable length:	1.2 m
Weight:	1.2 kg
Permissible ambient temperature range:	5 ... 35 °C
Material weighing plate:	
KDP 300-3	plastic, with conductive lacquer
KDP 3000-2, KDP 10K-4, KDP 10K-3	stainless steel
Data interface:	USB

Type	Weighing range	Readability	Reproducibility	Linearity	Plate dimensions	PK	Cat. No.
	g	g	g	± g	mm		
KDP 300-3	350	0.001	0.002	0.005	Ø 105	1	4.671 671
KDP 3000-2	3500	0.01	0.02	0.05	160 x 160	1	4.671 672
KDP 10K-4	10000	0.1	0.1	0.3	160 x 160	1	4.671 673
KDP 10K-3	10000	1	1	3	160 x 160	1	4.671 674

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Balances/Pocket balances-Precision balances

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4.672 673

Compact Balances EK-AEP, Ex-protected



Compact, lightweight balance for precise weighing in potentially explosive atmospheres (zones 0, 1 and 2). Equipped with an optical data output for transferring measuring results to device in a distant, safe area.

- Easy-to-read backlit LCD display, digit size 16 mm
- Hygienic and chemically resistant stainless steel (SUS304) weighing pan
- Comparator function for faster and more accurate filling, packing, sorting, etc
- Adjustable response characteristics depending on the degree of drafts and vibrations at the location
- Multiple weighing units: g, oz, lb, ozt, ct, mom, dwt, gr, N, in addition to pcs (counting mode), % (percent mode), SG (specific gravity)
- Battery operation (4 x AA alkaline batteries 1.5 V, approx. 250 hours)
- Auto power OFF function

NEW
A&D Inst.

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4.672 674

Please order fibre optic cable and optical communication interface AD-1611 separately.

Type	Capacity	Readability	Plate dimensions	Dimensions (W x D x H)	Net weight	PK	Cat. No.
	g	g	mm	mm	kg		
EK-300AEP	300	0.01	Ø 110	190 x 218 x 54	1.2	1	4.672 673 1
EK-3000AEP	3000	0.1	133 x 170	190 x 218 x 53	1.5	1	4.672 674 2
EK-12AEP	12000	1.0	133 x 170	190 x 218 x 53	1.5	1	4.672 675

Precision balance Type PCB

Compact scale for your laboratory. Due to the Recipe and piece counting function, as well as the grand precision this scale is perfect for the daily use in the Laboratory.

Kern & Sohn

- Protective working cover over keyboard and housing is enclosed o standard.
- Modern, backlit LCD display, digit height 15 mm
- Optional battery operation, 9V Block, not included.
- AUTO-OFF funktion to preserve the battery, can be switched off
- Stainless steel weighing plate, the models PCB 100-3, PCB 250-3 and PCB 350-3 has a plastic weighing plate

Overall (W x D x H): 163 x 245 x 85mm
Weight: approx. 1kg

Type	Plate dimensions	Capacity	Readability	Reproducibility	Linearity	PK	Cat. No.
	mm	g	g	g	± g		
PCB 100-3	Ø 81	100	0.001	0.001	0.003	1	7.619 757 3
PCB 250-3	Ø 81	250	0.001	0.001	0.005	1	6.238 044
PCB 350-3	Ø 81	350	0.001	0.002	0.005	1	6.241 856
PCB 200-2	Ø 105	200	0.01	0.01	0.02	1	7.635 868 4
PCB 1000-2	130 x 130	1000	0.01	0.01	0.03	1	6.228 513
PCB 2500-2	130 x 130	2500	0.01	0.01	0.05	1	6.235 556
PCB 3500-2	130 x 130	3500	0.01	0.02	0.05	1	6.240 408
PCB 1000-1	130 x 130	1000	0.1	0.1	0.2	1	6.235 098 5
PCB 2000-1	130 x 130	2000	0.1	0.1	0.2	1	6.229 399
PCB 6000-1	150 x 170	6000	0.1	0.1	0.3	1	6.231 685 6
PCB 10000-1	150 x 170	10000	0.1	0.1	0.3	1	7.625 237
PCB 6000-0	150 x 170	6000	1	1	2	1	9.901 300

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7.619 757

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7.635 868

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1 Precision balance KB

Convenience model at an economical price

Kern & Sohn

- User guidance step by step in the display
- Freely programmable weighing units, e.g. display directly in special units such as the length of thread g/m, paper weight g/m², or similar
- Precise counting. The automatic reference optimization gradually improves the average value of the piece weighing
- Numerical tare deduction for container weighing. Useful when checking loads
- Ring-shaped draft shield standard, 90 x 40mm dia. x ht. for models with readability d = 0.001g

Also available with DKD certified calibration weight, thermal printer, statistics printer at additional cost.



Type	Capacity	Readability	Reproducibility	Linearity	Plate dimensions	PK	Cat. No.
	g	g	g	± g	mm		
KB 120-3N	120	0,001	0,001	0,003	Ø 81	1	6.234 511
KB 240-3N	240	0,001	0,001	0,003	Ø 81	1	6.235 214
KB 360-3N	360	0,001	0,002	0,005	Ø 81	1	9.901 402
KB 650-2N	650	0,01	0,01	0,03	130 x 130	1	4.671 690
KB 1200-2N	1200	0,01	0,01	0,03	130 x 130	1	6.233 613
KB 2000-2N	2000	0,01	0,01	0,03	130 x 130	1	6.231 607
KB 2400-2N	2400	0,01	0,01	0,03	130 x 130	1	9.901 403
KB 3600-2N	3600	0,01	0,02	0,05	130 x 130	1	9.901 404
KB 6500-1N	6500	0,1	0,1	0,3	150 x 170	1	6.291 473
KB 10K0.05N	10000	0,05	0,05	0,15	150 x 170	1	9.901 405
KB 10000-1N	10000	0,1	0,1	0,3	150 x 170	1	9.901 406

Precision balance EWJ

Verifiable entry level model in the upper laboratory class

Kern & Sohn

- Concept of easy use: All primary functions have their own key on the keypad
- Automatic internal adjustment time-controlled every 2 hours. Guarantees high degree of accuracy and makes the location irrelevant
- Compact size, practical for small spaces
- Capacity display: A bar lights up to show how much of the weighing range is still available
- RS-232 and USB interfaces for transferring weighing data to the PC, printer, USB sticks etc. Excluded the -SM Models.

EWJ 300-3/EWJ 600-2SM/EWJ 600-2M: Draft shield with removable cover and opening for using a pipette, with a weighing chamber of (W x D x H) 134 x 128 x 80 mm

EWJ 300-3H: Large glass draft shield with a weighing chamber (W x D x H) 175 x 155 x 217 mm



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Type	Plate dimensions	Weighing range	Readability	Linearity	PK	Cat. No.
	mm	g	g	± g		
EWJ 300-3	Ø 80	300	0.001	0.005	1	9.900 938
EWJ 300-3H	Ø 80	300	0.001	0.005	1	6.287 029
EWJ 3000-2	Ø 120	3000	0.01	0.05	1	6.283 420

Balances, electronic, compact, 440 series

With features including formulation, piece counting programmes and high accuracy these balances are ideal for routine laboratory tasks. Safety cover for keyboard and housing standard. Calibration adjustment programme maintains accuracy. LCD display with digit height 15 mm. Can be battery operated (9 V Block). With stainless steel balance platform, except 440-21A.

Kern & Sohn

Overall (W x D x H): 165 x 230 x 80mm
 Weight: approx. 1kg
 Power supply: 100-240V, 50/60Hz



9.901 348

Type	Plate dimensions	Capacity	Readability	Reproducibility	Linearity	PK	Cat. No.
	mm	g	g	g	± g		
440-21A	81 dia.	60	0.001	0.001	0.003	1	9.901 340
440-33N	105 dia.	200	0.01	0.01	0.02	1	9.901 348
440-35N	105 dia.	400	0.01	0.01	0.03	1	9.901 349
440-35A	105 dia.	600	0.01	0.01	0.03	1	9.901 341
440-43N	130 x 130	400	0.1	0.1	0.2	1	9.901 344
440-45N	130 x 130	1000	0.1	0.1	0.2	1	9.901 346
440-47N	130 x 130	2000	0.1	0.1	0.2	1	9.901 347
440-49N	170 x 150	4000	0.1	0.1	0.3	1	9.901 343
440-49A	170 x 150	6000	0.1	0.1	0.3	1	9.901 342
440-51N	170 x 150	4000	1.0	1.0	2.0	1	9.901 345
440-53N	170 x 150	6000	1.0	1.0	2.0	1	9.901 350



Balances/Precision balances

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9.901 011

Precision balances type EW-N and EG-N

High quality laboratory balances, housed in a robust and stable plastic casing. With bar graph capacity display which shows the current available weighing range remaining. Fitted with protective working cover for casing and keyboard. Suitable for EC verification (only EG-N models, factory option at additional cost - details on request). Convenient, internal automatic calibration (only type EG-N) as well as extensive configuration and a menu of applications. Draught shield supplied with all 0.001g readability models. Additionally supplied with parts counting facility, percentage weighing function, flush-mounted platform. Optional available: Thermal printer, statistics printer, internal Akku-Pack, DKD calibration certificate for balance and optional test weight.

Kern & Sohn

Type	Plate dimensions	External dimensions (W x D x H)	Capacity	Readability	Reproducibility	Linearity	PK	Cat. No.
	mm	mm	g	g	g	± g		
EW220-3NM	Ø 118	182 x 235 x 75	220	0.001	0.001	0.002	1	9.901 007
EW420-3NM	Ø 118	182 x 235 x 75	420	0.001	0.001	0.003	1	9.901 008
EW620-3NM	Ø 118	182 x 235 x 75	620	0.001	0.001	0.003	1	9.901 009
EW820-2NM	170 x 140	182 x 235 x 75	820	0.01	0.01	0.01	1	9.901 010
EW2200-2NM	180 x 160	192 x 275 x 87	2200	0.01	0.01	0.01	1	9.901 011 1
EW4200-2NM	180 x 160	192 x 275 x 87	4200	0.01	0.01	0.02	1	9.901 012
EW6200-2NM	180 x 160	192 x 275 x 87	6200	0.01	0.01	0.03	1	9.901 013
EW12000-1NM	180 x 160	192 x 275 x 87	12000	0.1	0.1	0.2	1	9.901 014
EG220-3NM*	Ø 118	182 x 235 x 75	220	0.001	0.001	0.002	1	9.901 018
EG420-3NM*	Ø 118	182 x 235 x 75	420	0.001	0.001	0.003	1	9.901 019
EG620-3NM*	Ø 118	182 x 235 x 75	620	0.001	0.001	0.004	1	9.901 015
EG2200-2NM*	180 x 160	192 x 275 x 87	2200	0.01	0.01	0.01	1	9.901 016
EG4200-2NM*	180 x 160	192 x 275 x 87	4200	0.01	0.01	0.02	1	9.901 017

*calibratable

Outer dimensions without wind shield.

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Printers for KERN® balances

For printing weights. Compatible for all balances with RS232 interface. Please state your balance model when ordering, so that the printer can be preconfigured in the factory to suit your balance.

Kern & Sohn

Matrix needle printer for archiving: Not suitable for the PNS/PNJ and PES/PEJ models
Thermal printer with statistics functions: Not suitable for counting scales, EWJ models, PFB models and moisture analyzers

Description	Width	Depth	Height	Width paper strip	PK	Cat. No.
	mm	mm	mm	mm		
Matrix needle printer for archiving	100	180	106	57	1	6.072 474 2
Matrix needle printer	106	158	40	44	1	7.659 886
Thermal printer, GLP capable	165	140	50	112	1	6.223 158 3
Thermal printer with statistics functions	165	140	50	112	1	6.255 389

4



6.270 591

Precision balance PNS/PNJ

With robust tuning fork weighing system for fast display of the weight value, accurate dosing and high mechanical load capacity.

Kern & Sohn

- PNJ models with internal calibration function and guaranteed high accuracy, thus location-independent and ideal for mobile applications which require verification
- PNS models with external calibration function
- Capacity display: A bar lights up to show how much of the weighing range is still available
- Accurate counting: The automatic reference optimization gradually improves the average value of the part weight
- Compact dimensions, advantageous when space is limited
- Stainless steel weighing plate
- Models 600-3 and 600-3M have a large removable glass draft shield and a weighing chamber measuring (W x D x H) 172 x 171 x 160 mm.
- Large LCD display, digit height 16.5 mm
- Permissible ambient temperature range: 5 to 40 °C

5



7.643 634

Type	Plate dimensions	External dimensions (W x D x H)	Capacity	Readability	Reproducibility	Linearity	Weight	PK	Cat. No.
	mm	mm	g	g	g	± g	kg		
PNS 600-3	Ø 140	202 x 293 x 266	620	0.001	0.001	0.004	4.2	1	6.281 583
PNS 3000-2	190 x 190	196 x 293 x 89	3200	0.01	0.01	0.02	3.5	1	6.284 227
PNS 12000-1	190 x 190	196 x 293 x 89	12000	0.1	0.1	0.2	3.5	1	6.284 228
PNJ 600-3M*	Ø 140	202 x 293 x 266	620	0.001	0.001	0.004	4.2	1	6.270 591 4
PNJ 3000-2M*	190 x 190	196 x 293 x 89	3200	0.01	0.01	0.02	3.5	1	7.643 634 5
PNJ 12000-1M*	190 x 190	196 x 293 x 89	12000	0.1	0.1	0.2	3.5	1	7.644 987

*calibratable

1 Precision balances PR

The precision balances PR combine the basic weighing functions, weighing, piece counting and percent weighing with competitive performance, providing high accuracy and repeatability for laboratory, industrial and educational applications.

OHAUS



- Backlit LCD display
- 4 quick keys for easy operation of multiple weighing modes
- RS 232 interface
- User-selectable span calibration points
- Detachable stainless steel weighing platform
- Integrated weigh-below-hook
- Auto-tare
- Overload, underload and stability indicator

Please note:

Models with extra code /E with external calibration, all other models with internal calibration, models with extra code M are approved instruments according to EN 45501; OIML R76.

Specifications

Permissible ambient temperature: 10 ... 30 °C
 Weighing plate (Ø): 180 mm
 Dimensions (W x D x H): 201 x 317 x 93 mm
 Weight: 3.5 kg
 Power supply: 100 ... 240 V, 50/60 Hz

Type	Weighing range g	Readability g	Reproducibility g	Linearity ± g	PK	Cat. No.
PR1602	1600	0.01	0.01	0.02	1	4.668 281
PR1602/E*	1600	0.01	0.01	0.02	1	4.668 279
PR1602M **	1600	0.01	0.01	0.02	1	4.668 280
PR2202	2200	0.01	0.01	0.02	1	4.668 283
PR2202/E*	2200	0.01	0.01	0.02	1	4.668 282
PR2202M **	2200	0.01	0.01	0.02	1	4.668 284
PR4202	4200	0.01	0.01	0.02	1	4.668 286
PR4202/E*	4200	0.01	0.01	0.02	1	4.668 285
PR4202M **	4200	0.01	0.01	0.02	1	4.668 287
PR4201	4200	0.1	0.1	0.2	1	4.668 289
PR4201/E*	4200	0.1	0.1	0.2	1	4.668 288
PR4201M **	4200	0.1	0.1	0.2	1	4.668 290
PR6201	6200	0.1	0.1	0.2	1	4.668 292
PR6201/E*	6200	0.1	0.1	0.2	1	4.668 291
PR6201M **	6200	0.1	0.1	0.2	1	4.668 293

*external calibration
 **approved acc. to EN 45501; OIML R76

2 Precision balances PES/PEJ

Robust laboratory and industrial precision scale for heavy items.

Kern & Sohn

- Only PEJ: Automatic internal adjustment
- Only PES: Adjusting program CAL for quick setting of the balance accuracy, with an external test weight (must be purchased separately)
- Metal housing: robust and sturdy
- Weighing with tolerance range (checkweighing): Input of 2 upper and 2 lower limit values through 4 arrow keys. An audible and visual signal assists with the portioning, dispensing or grading
- Draught shield standard on all models with readout = 0.001 g, weighing space (W x D x H): 170 x 150 x 100 mm. Removable metal cover with pipette opening
- Underfloor weighing: load support with hook on the underside of the balance (only for models with a weighing plate size of 140x120 mm and 200x200 mm)
- Fluorescent display, bright with high contrast, digit height 13 mm
- Permissible ambient temperature: 10 °C/30 °C



Type	Plate dimensions mm	External dimensions (W x D x H) mm	Capacity g	Readability g	Reproducibility g	Linearity ± g	Weight kg	PK	Cat. No.
PES 620-3M	140 x 120	220 x 330 x 90	620	0.001	0.001	0.003	4	1	7.651 840
PES 2200-2M	200 x 200	220 x 339 x 80	2200	0.01	0.01	0.02	6	1	6.225 841
PES 4200-2M	200 x 200	220 x 339 x 80	4200	0.01	0.01	0.02	6	1	6.229 872
PES 6200-2M	200 x 200	220 x 339 x 80	6200	0.01	0.01	0.03	6	1	6.236 499
PES 15000-1M	200 x 200	220 x 339 x 80	15000	0.1	0.1	0.2	6	1	7.920 074
PES 31000-1M	250 x 220	260 x 330 x 113	31000	0.1	0.1	0.4	10	1	6.237 670
PEJ 620-3M*	140 x 120	220 x 330 x 90	620	0.001	0.001	0.003	4	1	7.670 597
PEJ 2200-2M*	200 x 200	220 x 339 x 80	2200	0.01	0.01	0.02	6	1	7.623 390
PEJ 4200-2M*	200 x 200	220 x 339 x 80	4200	0.01	0.01	0.02	6	1	6.235 603

*calibratable
 Outer dimensions without wind shield.

3. Analytical measurement and testing

Balances/Precision balances

1



1 Precision balances Pioneer® PX

High-performance, economical balances with high accuracy and repeatability for applications in laboratories, industry and education. For basic weighing, parts counting, percent weighing, dynamic weighing and density determination.

OHAUS

- 2 line, backlit LCD display
- 4 quick keys enable the most common weighing modes
- USB and RS 232 interface for data exchange with PCs and PLCs
- User-selectable span calibration points
- Real time clock with GLP/GMP data
- Cast metal lower housing, removable stainless steel weighing pan
- Integrated weigh-below-hook
- Auto-tare
- Many weighing units selectable, a custom unit can be defined
- Overload, underload and stability indicator
- 4 menu languages

Please note:

Models with extra code /E with external calibration, all other models with internal calibration, models with extra code M are approved instruments according to EN 45501; OIML R76.

Specifications

Permissible ambient temperature:	10 ... 30 °C
Weighing plate (Ø):	180 mm
Height in draftshield:	235 mm
Dimensions (W x D x H):	209 x 321 x 98 mm
Weight:	3.5 kg
Power supply:	100 ... 240 V, 50/60 Hz

Type	Weighing range g	Readability g	Reproducibility g	Linearity ± g	PK	Cat. No.
PX3202	3200	0.01	0.01	0.02	1	4.663 339
PX3202/E *	3200	0.01	0.01	0.02	1	4.663 338
PX3202M **	3200	0.01	0.01	0.02	1	4.663 340
PX5202	5200	0.01	0.01	0.02	1	4.663 342
PX5202/E *	5200	0.01	0.01	0.02	1	4.663 341
PX5202M **	5200	0.01	0.01	0.02	1	4.663 343
PX4201	4200	0.1	0.1	0.2	1	4.663 345
PX4201/E *	4200	0.1	0.1	0.2	1	4.663 344
PX4201M **	4200	0.1	0.1	0.2	1	4.663 346

*external calibration

**approved acc. to EN 45501; OIML R76



Precision balance Type PLS/PLJ

- ergonomically optimised keypad for left and right-handed users
- ring-shaped glass draught shield standard for all models with a weighing plate size of 110 mm dia. Removable metal cover with pipette opening. Weighing space 150 mm dia., height 60 mm
- The PLJ with a weighing plate size of 110 mm dia. also includes a rectangular draft shield with a weighing chamber of 160 x 140 x 205 mm
- count/weight switchover at the press of a button
- precise counting. The automatic optimisation of reference weight gradually improves the average value of the piece weight. The automatic optimisation of reference weight gradually improves the average value of the piece weight
- weighing with tolerance range Input of an upper/lower limit value. A visual signal assists with portion division, dispensing or grading
- percentage determination makes it possible to store a given weight value (100%) and to determine deviations from this target value in %
- density determination of liquids and solids with immediate display of the density on the display
- pre-Tare function for manual deduction of a known container weight. Useful for checking fill-levels

Kern & Sohn

1



9.901 444

2



6.270 252

Type	Plate dimensions	Weighing range	Readability	Reproducibility	Linearity	PK	Cat. No.
	mm	g	g	g	± g		
PLS 420-3F	Ø 110	420	0.001	0.001	0,004	1	9.901 442
PLS 720-3A	Ø 110	720	0.001	0.001	0,002	1	9.901 413
PLS 1200-3A	Ø 110	1200	0.001	0.001	0,003	1	9.901 414
PLS 4200-2F	Ø 160	4200	0.01	0.01	0,04	1	9.901 422
PLS 6200-2A	Ø 160	6200	0.01	0.01	0,03	1	9.901 418
PLS 8000-2A	Ø 160	8200	0.01	0.01	0,04	1	9.901 443
PLS 20000-1F	200 x 175	20000	0.1	0.1	0,4	1	9.901 444
PLJ 420-3F	Ø 110	420	0.001	0.001	0,003	1	6.257 142
PLJ 720-3A	Ø 110	720	0.001	0.001	0,002	1	7.656 106
PLJ 1200-3A	Ø 110	1200	0.001	0.001	0,003	1	7.655 341
PLJ 2000-3A	Ø 110	2100	0.001	0.002	0,004	1	6.270 252
PLJ 4200-2F	Ø 160	4200	0.01	0.02	0,04	1	7.970 683
PLJ 6200-2A	Ø 160	6200	0.01	0.01	0,03	1	7.627 832
PLJ 720-3AM*	Ø 110	720	0.001	0.001	0,002	1	6.284 455
PLJ 6200-2AM*	Ø 160	6200	0.01	0.01	0,03	1	6.266 315

*calibratable

Precision balance Type PBS/PBJ

- only PBJ: Automatic internal adjustment in case of a change in temperature or time-controlled at defined intervals
- Metal housing: robust and sturdy
- Large backlit, LCD display, digit height 14 mm
- Dosage aid: High-stability mode and other settings can be selected
- Weighing with tolerance range (checkweighing): Input of an upper/lower limit value. A visual signal assists with portion division, dispensing or grading
- Totalizing of individual weighing results
- Identification number: 4 numeric positions, printed on calibration protocol
- Automatic data output to the PC/printer every time the balance is steady
- Draft shield standard, on all models with readout d = 0.001 g, weighing space (W x D x H): 180 x 193 x 87mm

Kern & Sohn

3



7.657 889

4



6.245 038

Single-cell advanced technology:

- Fully automatic manufactured weighing cell from one piece of material
- Stable temperature behaviour
- Short stabilisation time: 3 sec
- Shock proof construction
- High corner load performance

Specifications

Overall dimensions, without draft shield (W x D x H): 209 x 322 x 78mm
 Dimensions weighing space (W x D x H): 180 x 193 x 87mm
 Permissible ambient temperature: 10°C/30°C
 Weight: approx. 3kg

Type	Readability	Capacity	Reproducibility	Linearity	Plate dimensions	PK	Cat. No.
	g	g	g	± g	mm		
PBS 620-3M	0,001	620	0,001	0,002	108 x 105	1	7.657 889
PBS 4200-2M	0,01	4200	0,01	0,02	170 x 180	1	6.255 611
PBS 6200-2M	0,01	6200	0,01	0,02	170 x 180	1	9.901 445
PBJ 620-3M	0,001	620	0,001	0,002	108 x 105	1	7.910 128
PBJ 4200-2M	0,01	4200	0,01	0,02	170 x 180	1	6.245 038
PBJ 6200-2M	0,01	6200	0,01	0,02	170 x 180	1	6.236 719
PBJ 8200-1M	0,1	8200	0,1	0,2	170 x 180	1	6.257 002

1



1 Precision Balances Adventurer® AX

OHAUS

- Fast stabilization and reliable operation to ensure solid weighing performance and accurate, repeatable results.
- Two USB ports with GLP/GMP tracking capabilities assist the monitoring and reporting of the data.
- The wide viewing angle 4.3" colour touchscreen provides access to all applications.
- Reduced footprint due to two piece, top-mounted draft shield doors
- The 0.01g models feature large weighing pans
- AutoCal™ automatic internal calibration system or traditional external calibration (external calibration models -/E)
- EC Type Approved models available
- Applications: Weighing (17 units + custom unit), parts counting, percentage weighing, check weighing, dynamic weighing, totalization/statistics, formulation, density determination, display hold.
- Display: 4.3" (109 mm) Full-colour VGA graphic touchscreen with user-controlled brightness,
- Operation: Mains operation.
- Communication: RS232, USB Host, USB Device (included). GLP/GMP compliant data output with real-time clock
- Construction: Die-cast metal base, ABS top housing, stainless steel pan, glass draft shield with two piece top mounted side doors and sliding top door (0.1 and 1mg models only), illuminated up-front level indicator, integral weigh below hook, security bracket, calibration lock, full housing in-use cover
- Design features: Two-piece, top mounted, space-saving draft shield with removable panels on 0.1mg and 0.001g models. AutoCal™ automatic internal calibration or external calibration. Level assist feature with illuminated level indicator. Selectable environmental and auto-print settings. Integral weigh below hook. Protective full housing in-use cover. Software lock switch.

Type	Plate dimensions	Weighing range	Readability	PK	Cat. No.
	mm	g	g		
AX223	Ø 130	220	0.001	1	6.268 208
AX223/E	Ø 130	220	0.001	1	6.266 893
AX423	Ø 130	420	0.001	1	6.268 210
AX423/E	Ø 130	420	0.001	1	6.268 212
AX523	Ø 130	520	0.001	1	6.268 213
AX523/E	Ø 130	520	0.001	1	6.268 215
AX422	175 x 195	420	0.01	1	6.280 937
AX422/E	175 x 195	420	0.01	1	6.280 938
AX822	175 x 195	820	0.01	1	6.280 939
AX822/E	175 x 195	820	0.01	1	6.280 940
AX1502	175 x 195	1520	0.01	1	6.268 218
AX1502/E	175 x 195	1520	0.01	1	6.268 220
AX2202	175 x 195	2200	0.01	1	6.267 263
AX2202/E	175 x 195	2200	0.01	1	6.268 222
AX4202	175 x 195	4200	0.01	1	6.268 223
AX4202/E	175 x 195	4200	0.01	1	6.268 225
AX5202	175 x 195	5200	0.01	1	6.268 226
AX2201	175 x 195	2200	0.1	1	6.280 941
AX2201/E	175 x 195	2200	0.1	1	6.280 942
AX4201	175 x 195	4200	0.1	1	6.280 943
AX4201/E	175 x 195	4200	0.1	1	6.280 944
AX8201	175 x 195	8200	0.1	1	6.280 945
AX8201/E	175 x 195	8200	0.1	1	6.280 946



Precision balances Entris® II

- Modern sensors ensure very fast stabilisation time
- Automatic, internal calibration and adjustment function (isoCAL) for all "i" models
- Weighing platform made of stainless steel
- Excellent readability and operability with hybrid touch display
- Automatic detection of connected Sartorius accessories
- Direct data transfer to connected PCs with USB-C and RS232 interface without need of additional software
- 12 integrated applications with GLP/GMP-compliant protocol
- Easy to clean, high chemical resistance
- Multilingual interface

Sartorius Lab Instruments

1 Precision balances Entris® II



All models also available as approved versions for EU/France.

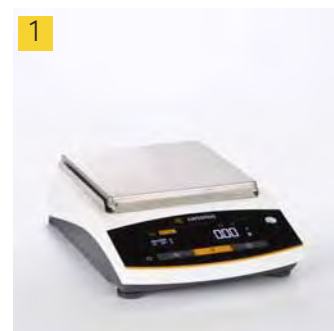
Sartorius Lab Instruments

Scope of supply: Precision balance, power supply unit, display protection cover

Specifications

Weighing platform: 182 x 182 mm
 Dimensions (W x D x H): 219 x 317 x 94 mm
 Power supply: 100 ... 240 V, 50 ... 60 Hz

Type	Capacity	Readability	Reproducibility	Linearity	Weight	PK	Cat. No.
	g	g	g	± g	kg		
BCE622-1S	620	0.01	0.005	0.006	4.3	1	4.669 157
BCE622i-1S	620	0.01	0.005	0.006	6.2	1	4.669 160
BCE822-1S	820	0.01	0.005	0.006	4.3	1	4.669 181
BCE822i-1S	820	0.01	0.005	0.006	6.2	1	4.669 184
BCE1202-1S	1200	0.01	0.005	0.006	4.3	1	4.669 105
BCE1202i-1S	1200	0.01	0.005	0.006	6.2	1	4.669 108
BCE2201-1S	2200	0.1	0.05	0.06	4.3	1	4.669 113
BCE2201i-1S	2200	0.1	0.05	0.06	6.2	1	4.669 116
BCE2202-1S	2200	0.01	0.005	0.006	4.3	1	4.669 117
BCE2202i-1S	2200	0.01	0.005	0.006	6.2	1	4.669 120
BCE3202-1S	3200	0.01	0.005	0.006	4.6	1	4.669 129
BCE3202i-1S	3200	0.01	0.005	0.006	6.2	1	4.669 132
BCE4202-1S	4200	0.01	0.005	0.006	4.6	1	4.669 137
BCE4202i-1S	4200	0.01	0.005	0.006	6.2	1	4.669 140
BCE5201-1S	5200	0.1	0.05	0.06	4.3	1	4.669 145
BCE5201i-1S	5200	0.1	0.05	0.06	6.2	1	4.669 148
BCE6200-1S	6200	1	0.5	0.6	4.3	1	4.669 149
BCE6200i-1S	6200	1	0.5	0.6	6.2	1	4.669 152
BCE6202-1S	6200	0.01	0.005	0.006	4.6	1	4.669 153
BCE6202i-1S	6200	0.01	0.005	0.006	6.2	1	4.669 156
BCE8200-1S	8200	1	0.5	0.6	4.3	1	4.669 173
BCE8200i-1S	8200	1	0.5	0.6	6.2	1	4.669 176
BCE8201-1S	8200	0.1	0.05	0.06	4.3	1	4.669 177
BCE8201i-1S	8200	0.1	0.05	0.06	6.2	1	4.669 180



2 Precision balances Entris® II with square windshield



High weighing space, easy access to weighing platform through side doors and upper sliding door. Specially coated windscreen against electrostatic charge.

Sartorius Lab Instruments

All models also available as approved versions for EU/France.

Scope of supply: Precision balance, power supply unit, display protection cover

Specifications

Readability: 1 mg
 Reproducibility: ±1 mg
 Linearity: ±0.6 mg
 Weighing platform: Ø 120 mm
 Weighing space height: 240 mm
 Dimensions (W x D x H): 219 x 317 x 345 mm
 Weight: 6.3 kg
 Power supply: 100 ... 240 V, 50 ... 60 Hz

Type	Capacity	PK	Cat. No.
	g		
BCE223-1S	220	1	4.669 121
BCE223i-1S	220	1	4.669 124
BCE323-1S	320	1	4.669 133
BCE323i-1S	320	1	4.669 136
BCE423-1S	420	1	4.669 141
BCE423i-1S	420	1	4.669 144
BCE623-1S	620	1	4.669 161
BCE623i-1S	620	1	4.669 164



Balances/Precision balances

1 2 3 Precision balances Cubis® II

Modular premium balances for research and development or analytical laboratories. The Cubis® II platform is a completely configurable, high-performance portfolio of both lab weighing hardware and software. The combinability of the display unit, weighing module, draft shield and software packages for various applications and functions allows the individual adaptation to all weighing tasks.

Sartorius Lab Instruments

- Monolithic weighing system
- Seamless connectivity to diverse laboratory information systems without the need of additional software
- Integrated climate sensor
- Status center notifications
- Full data integrity following ALCOA+ principles
- Supports all requirements for FDA directive 21 CFR part 11 and EU Annex 11 compliance
- Complete traceability via advanced audit trail and reporting function

MCE Essential User Interface:

- Large, high-contrast TFT touch display
- Factory-installed basic set of essential weighing applications
- Activated by touch key, touch-free using IR sensor or gesture sensor (optional)

MCA Advanced User Interface:

- Large 7" color touch display
- Factory-installed basic set of essential weighing applications
- Various QApp packages for optional software extension
- Activated by touch key, touch-free using IR sensor or gesture sensor (optional)



4 5 6 Precision balances Cubis® II

NEW

- Automatic motorised leveling
 - Draft shield:
- O: Balance without draft shield
 E: Small glass draft shield
 R: Stainless steel draft shield

Sartorius Lab Instruments

Height and weight depending upon weighing pan size, filter weighing pan and draft shield. Verified balances and other configurations are available online or on request.

Type	With	Capacity	Readability	Plate dimensions	Dimensions (W x D x H)	Weight	PK	Cat. No.
		g	g	mm	mm	kg		
623S, MCA	E	620	0.001	140 x 140	240 x 425 x 122	5.9	1	4.670 883
3203S, MCA	R	3200	0.001	140 x 140	240 x 425 x 122	5.9	1	4.670 873
5203S, MCA	E	5200	0.001	140 x 140	240 x 425 x 122	5.9	1	4.670 855
2202S, MCA	O	2200	0.01	206 x 206	240 x 425 x 95	5.4	1	4.670 866
4202S, MCA	O	4200	0.01	206 x 206	240 x 425 x 95	5.4	1	4.670 877
6202S, MCA	O	6200	0.01	206 x 206	240 x 425 x 95	5.4	1	4.670 856
8201S, MCA	O	8200	0.1	206 x 206	240 x 425 x 95	5.4	1	4.670 886
12201S, MCE *	O	12200	0.1	206 x 206	240 x 425 x 95	5.4	1	4.670 888

* manual Leveling



1 Analytical balance KERN ABS-N/ABJ-NM

Kern & Sohn

- The bestseller in analytical balances, now with high-quality single-cell weighing system and EC type approval (Type ending M)
- Only ABJ-NM: Automatic internal adjustment in the case of a change in temperature >2 °C or time-controlled every 4 hours
 - Only ABS-N: Adjusting program CAL, external test weights at an additional price
 - Dosage aid: High-stability mode and other filter settings can be selected
 - Simple recipeweighing and documenting with a combined tare/print function. In addition, the mixing ingredients for the recipe are numbered automatically and printed out with their corresponding number and weight value
 - Identification number: 4 numeric positions, printed on calibration protocol
 - Automatic data output to the PC/printer each time the balance reaches a steady state
 - Large LCD display, digit height 14 mm

1



Single-cell advanced technology:

- Fully automatic manufactured weighing cell from one piece of material
- Stable temperature behaviour
- Short stabilisation time: Steady weight values within approx. 3sec under laboratory conditions
- Shock proof construction
- High corner load performance

Specifications

Overall dimensions (W x D x H): 210 x 340 x 325mm
 Dimensions weighing space (W x D x H): 174 x 162 x 227mm
 Permissible ambient temperature: 10°C/30°C
 Net weight: approx. 6kg

Type	Plate diam.	Capacity	Readability	Reproducibility	Linearity	PK	Cat. No.
	mm	g	mg	± mg	± mg		
ABS 80-4N	91	82	0.1	0.2	0.3	1	9.901 451
ABS 120-4N	91	120	0.1	0.2	0.3	1	9.901 452
ABS 220-4N	91	220	0.1	0.2	0.3	1	9.901 453
ABS 320-4N	91	320	0.1	0.2	0.3	1	9.901 454
ABJ 80-4NM	91	82	0.1	0.2	0.3	1	9.901 455
ABJ 120-4NM	91	120	0.1	0.2	0.3	1	9.901 456
ABJ 220-4NM	91	220	0.1	0.2	0.3	1	6.257 572
ABJ 320-4NM	91	320	0.1	0.2	0.3	1	9.901 457

2 Analytical balances ALS-A/ALJ-A

Kern & Sohn

- Analytical balances with large weighing ranges.
- Only ALJ-A: Automatic internal adjustment in the case of a change in temperature > 1.2 °C
 - Only ALS-A: Adjusting program CAL for quick setting of the balance accuracy, external test weights at an additional price
 - Ergonomically optimised keypad for left and righthanded users
 - Large glass draught shield with 3 sliding doors for easy access to the items being weighed
 - Compact size, practical for small spaces
 - Percentage determination: makes it possible to store a given weight value (100 %) and to determine deviations from this target value
 - Backlit LCD display, digit height 17 mm
 - Weighing plate made of stainless steel

2



Specifications

Overall dimensions, incl. draught shield (W x D x H): 210 x 340 x 330 mm
 Weighing space (W x D x H): 160 x 140 x 205 mm
 Net weight: approx. 5.7 kg
 Permissible ambient temperature (ALS-A/ALJ-A/ALJ-DA): 5 °C/35 °C
 Permissible ambient temperature (ALJ-AM): 15 °C/30 °C

Type	Plate diam.	Weighing range	Readability	Reproducibility	Linearity	PK	Cat. No.
	mm	g	mg	± mg	± mg		
ALS 160-4A	80	160	0.1	0.1	0.3	1	7.656 611
ALS 250-4A	80	250	0.1	0.1	0.3	1	6.254 783
ALJ 160-4A	80	160	0.1	0.1	0.3	1	6.261 152
ALJ 160-4AM	80	160	0.1	0.2	0.3	1	6.284 443
ALJ 250-4A	80	250	0.1	0.1	0.3	1	6.257 891
ALJ 250-4AM	80	250	0.1	0.2	0.3	1	6.269 644
ALJ 310-4A	80	310	0.1	0.1	0.3	1	6.284 459
ALJ 500-4A	80	510	0.1	0.2	0.4	1	4.658 462
ALJ 200-5DA	80	82 / 220	0.01 / 0.1	0.04 / 0.2	0.1 / 0.2	1	4.660 773

Balances/Analytical balances

1



6.310 582

Analytical balance ADB/ADJ

Compact analytical balance with special carat function. A low cost and space-saving balance that is easy to operate with an optimized 6-key control panel.

Kern & Sohn

- Only ADJ: Automatic internal adjustment in the case of a change in temperature >2 °C or time-controlled every 2 h
- Only ADB: Adjusting program CAL, external test weights at an additional price
- Large backlit LCD display
- Digit height 16 mm
- Glass draught shield with 3 sliding doors
- Stainless steel weighing plate
- Adapted to small space requirements

2



6.310 583

Specifications

Overall dimensions, incl. draught shield (W x D x H)

ADB/ADJ: 230 x 310 x 330 mm

ADB-C/ADJ-C: 205 x 310 x 210 mm

Dimensions weighing space (W x D x H):

ADB/ADJ: 170 x 160 x 205 mm

ADB-C/ADJ-C: 170 x 160 x 110 mm

Dimensions weighing plate (diam.): 90 mm

Permissible ambient temperature: 10 ... 30 °C

Type	Weighing range	Readability	Reproducibility	Linearity	Plate diam.	Plug type	Weight	PK	Cat. No.
	g	mg	± mg	± mg	mm		kg		
ADB 100-4	120	0.1	0.2	0.4	90	EU, UK, CH	4.4	1	6.310 582 1
ADB 200-4	210	0.1	0.2	0.4	90	EU, UK, CH	4.4	1	6.282 811
ADB 600-C3	120 (600 ct)	0.1 (0.001 ct)	0.2 (0.002 ct)	0.4 (0.004 ct)	90	EU, UK, CH	3.8	1	6.310 583 2
ADJ 100-4	120	0.1	0.2	0.4	90	EU, UK, CH	5.0	1	6.275 587
ADJ 200-4	210	0.1	0.2	0.4	90	EU, UK, CH	5.0	1	6.275 588
ADJ 600-C3	120 (600 ct)	0.1 (0.001 ct)	0.2 (0.002 ct)	0.4 (0.004 ct)	90	EU, UK, CH	4.5	1	6.275 589

3



3 Balances, electronic, analytical, ABT series

Analytical and semi-microbalances which are suitable for verification.

Kern & Sohn

All models have automatic calibration adjustment function by internal, motor-driven, calibration weight. It is possible to log ISO/GLP-compliant weighing or calibration data at any time via an accessory printer (not supplied) or data interface (bi-directional RS232-C).

Additionally, the balances have formulation, piece counting and percentage determination functions, as well as a flush-mounted weighing platform. All models are supplied with a modern, all-glass draught shield with sliding doors to the left, right and top.

Also available with DKD certified, ionizer, thermal printer, statistic printer at additional cost.

Single-cell advanced technology:

- Fully automatic manufactured weighing cell from one piece of material
- Stable temperature behavior
- Short stabilisation time: Steady weight values within approx. 4 sec under laboratory conditions
- Shock proof construction
- High corner load performance

Weighing pan, stainless steel: 80mm dia.
 Weighing chamber (W x D x H): 168 x 172 x 223mm
 Dimensions (W x D x H): 217 x 356 x 338mm
 Mains adapter: 220V

Type	Plate diam.	Weighing range	Readability	Reproducibility	Linearity	PK	Cat. No.
	mm	g	mg	± mg	± mg		
ABT 120-4NM	80	120	0.1	0.1	0.2	1	9.900 955
ABT 220-4NM	80	220	0.1	0.1	0.2	1	9.900 956
ABT 320-4NM	80	320	0.1	0.1	0.3	1	9.900 957
ABT 100-5NM	80	101	0.01	0.05	0.15	1	6.241 274
ABT 120-5DNM	80	42 / 120	0.01 / 0.1	0.02 / 0.1	0.05 / 0.2	1	9.900 958
ABT 220-5DNM	80	82 / 220	0.01 / 0.1	0.05 / 0.1	0.1 / 0.2	1	9.900 959

1 Analytical balance ABP

This new generation of analytical balances combines the highest level of precision with large weighing capacities. Thanks to the new Single-Cell Generation, the weighing result is displayed in a fraction of the time with comparable models.

Kern & Sohn

- Navigation pad for super quick navigating through the menus
- Automatic internal adjustment in the case of a change in temperature ≥ 1 °C or timecontrolled every 4 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- The minimum weight of sample can be manually stored in the balance or automatically calculated, with warning message when the weighing is below this value
- Dosage aid: High-stability mode and other filter settings can be selected
- Simple recipe weighing and documenting with a combined tare/print function
- Menu language DE, GB
- Automatic data output to the PC/printer each time the balance is steady
- Large glass draught shield with 3 sliding doors for easy access to the items being weighed
- DM-models: Incl. Multi-function weighing plate for minimising the effect of currents of air in the weighing space and for easy fixing and weighing of protruding samples as sample paper, PCR containers or micro centrifuge tubes

Specifications

Overall dimensions, incl. draught shield (W x D x H): 213 x 407 x 344 mm
 Weighing space (W x D x H): 166 x 156 x 220 mm
 Net weight: 8 kg
 Power supply: 220 ... 240 V AC, 50 Hz

Type	Weighing range	Readability	Reproducibility	Linearity	Plate diam.	PK	Cat. No.
	g	mg	± mg	± mg	mm		
ABP 100-4M	120	0.1	0.1	0.2	91	1	4.667 748
ABP 200-4M	220	0.1	0.1	0.2	91	1	4.667 749
ABP 300-4M	320	0.1	0.1	0.3	91	1	4.667 750
ABP 100-5DM	52 / 120	0.01 / 0.1	0.02 / 0.1	0.03 / 0.3	91	1	4.667 751
ABP 200-5DM	102 / 220	0.01 / 0.1	0.02 / 0.1	0.03 / 0.3	91	1	4.667 752

1



Analytical balances Entris® II

The evolution of the Entris® balance series. The large portfolio offers the right model for every weighing task. With many convenience functions for efficiency and accuracy in the laboratory. Quality "Made in Germany".

Sartorius Lab Instruments

- Modern sensors ensure very fast stabilisation time
- Automatic, internal calibration and adjustment function (isoCAL) for all "i" models
- Weighing platform made of stainless steel
- Excellent readability and operability with hybrid touch display
- Automatic detection of connected Sartorius accessories
- Direct data transfer to connected PCs with USB-C and RS232 interface without need of additional software
- 12 integrated applications with GLP/GMP-compliant protocol
- Easy to clean, high chemical resistance
- Multilingual interface

2 Analytical balances Entris® II



High weighing space, easy access to weighing platform through side doors and upper sliding door. Specially coated windscreen against electrostatic charge. All models also available as approved versions for EU/France.

Sartorius Lab Instruments

Scope of supply: Analytical balance, power supply unit, display protection cover

Specifications

Readability: 0.1 mg
 Reproducibility: ± 0.1 mg
 Linearity: ± 0.06 mg
 Weighing platform: $\varnothing 90$ mm
 Weighing space height: 240 mm
 Dimensions (W x D x H): 219 x 317 x 345 mm
 Weight: 6.2 kg
 Power supply: 100 ... 240 V, 50 ... 60 Hz

Type	Weighing range	PK	Cat. No.
	g		
BCE64-1S	0.0001 ... 60	1	4.669 165
BCE64i-1S	0.0001 ... 60	1	4.669 168
BCE124-1S	0.0001 ... 120	1	4.669 109
BCE124i-1S	0.0001 ... 120	1	4.669 112
BCE224-1S	0.0001 ... 220	1	4.669 125
BCE224i-1S	0.0001 ... 220	1	4.669 128

2



1



1 Analytical balances Adventurer® AX

- Fast stabilization and reliable operation to ensure solid weighing performance and accurate, repeatable results. OHAUS
- Two USB ports with GLP/GMP tracking capabilities assist the monitoring and reporting of the data.
- The wide viewing angle colour touchscreen provides access to all applications.
- Reduced footprint due to two pieces, top-mounted draft shield doors
- AutoCal™ automatic internal calibration system or traditional external calibration (external calibration models -/E)
- EC Type Approved models available
- Applications: Weighing (17 units + custom unit), parts counting, percentage weighing, check weighing, dynamic weighing, totalization/statistics, formulation, density determination, display hold.
- Display: 4.3" (109 mm) Full-colour VGA graphic touchscreen with user-controlled brightness,
- Operation: Mains operation.
- Communication: RS232, USB Host, USB Device (included). GLP/GMP compliant data output
- Construction: Die-cast metal base, ABS top housing, stainless steel pan, glass draft shield with two piece top mounted side doors and sliding top door, replaceable in-use cover
- Design features: Two-piece, top mounted, space-saving draftshield with removable panels on 0.1mg and 0.001g models. AutoCal™ automatic internal calibration or external calibration. Level assist feature with illuminated level indicator. Selectable environmental and auto-print settings. Integral weigh below hook. Protective full housing in-use cover. Software lock switch.

Specifications

Readability: 0.1 mg
 Ø weighing plate: 90 mm
 Power supply: 100...240 V/50/60 Hz

Type	Weighing range g	PK	Cat. No.
AX124	120	1	6.268 193
AX124/E	120	1	6.268 195
AX224	220	1	6.268 196
AX224/E	220	1	6.268 198
AX324	320	1	6.268 199

2



2 Analytical balances Quintix®

Intuitive application guidance, start of applications with only one keystroke. Sartorius Lab Instruments
 Maximum accuracy at all times. Made in Germany.

- The balance automatically adjusts itself when the pre-set temperature and time is exceeded
- Coloured Touchscreen Display
- Easy cleaning
- "Plug & Work" connectivity to printer or computer via USB port for simple GLP-compliant logging, direct data transfer to Microsoft® Windows programs without further software
- Password protection and supervisor lock for protection against unintentional changes
- Integrated underfloor weighing
- Easy cleaning: For cleaning of the windshield, the side windows, the sliding cover and all stainless steel parts are easily removable.
- Extra large adjustable feet for easy levelling

Specifications

Overall dimensions (W x D x H): 216 x 360 x 320mm
 Height weighing space: 209mm
 Permissible ambient temperature: +10 to +30°C
 Mains adapter: 100 - 240V, 50/60Hz

Type	Plate diam. mm	Weighing range g	Readability mg	Reproducibility ± mg	Linearity ± mg	PK	Cat. No.
QUINTIX64-1S	90	60	0,1	0,1	0,2	1	6.262 848
QUINTIX124-1S	90	120	0,1	0,1	0,2	1	6.262 421
QUINTIX224-1S	90	220	0,1	0,1	0,2	1	6.262 424

1 Printer for balances and moisture analysers

Data Printer, with GLP- and GMP-function for all Sartorius balances and moisture analysers. With alphanumeric dot-matrix printing unit (safety printing unit with 5x8 matrix) as well as the ASCII character set and application-specific special characters, for the documentation of weighing data. Membrane keyboard for easy and safe operation.

Sartorius Lab Instruments

1



Description	PK	Cat. No.
Printer	1	6.289 719
Printer paper, rolls of 50 m	5	7.100 679
Printer paper, rolls of 14 m	5	9.902 636

Analytical balances Explorer® EX

Highest performance, most technically advanced balance from OHAUS

OHAUS

2

- High resolution multi-lingual colour VGA touch display with icons for simple operation
- Programmable multi-functional touch-free sensors for cleanliness, speed and safety
- Multiple application modes plus library for storage of personal application settings
- External calibration, High capacity and EC type approved models also available
- Application: Weighing (17 units + custom units), Parts Counting, % weighing, Animal/Dynamic Weighing, Checkweighing, Filling, Totalization, Formulation, Differential weighing, Density determination, Peak hold, Ingredient costing, Pipette adjustment, Gross/Net/Tare Weighing
- Display: High resolution full-color VGA graphic display (5.7" diagonal), 4-wire resistive touch screen. QWERTY keyboard and numeric keypad to quickly input GLP and GMP data and other application data.
- Operation: Mains Operation
- Communication: Easy access communication ports including USB host, USB device, RS232 and an optional 4th port for either RS232 or Ethernet. GLP/GMP Data Output with Real Time Clock. Direct Data Transfer Function.
- Construction: Metal base, ABS top housing, stainless steel pan, anti-static glass draftshield with flip-top door, replaceable in-use cover, automatic draftshield doors on selected models
- Design features: 3-door frameless draftshield with removable panels on 0.1mg and 1mg models. Optional automatic draftshield doors on 0.1mg and 0.01mg models, with built in ionizer on 0.01mg automatic draftshield door models. Modular display design with adjustable angle (attach to base, wall or optional tower). AutoCal™ fully-automatic internal calibration system. Level assist feature with illuminated level indicator. Selectable environmental and auto-print settings. Integral weigh below hook. Protective in-use cover. Software lock switch.



9.902 371

3



6.268 205

Type	Plate dimensions	Weighing range	Readability	PK	Cat. No.
	mm	g			
EX124	Ø 90	120	0.1 mg	1	9.902 370
EX124/AD*	Ø 90	120	0.1 mg	1	6.268 206
EX125	Ø 80	120	0.01 mg	1	6.268 202
EX125D	Ø 80	52 / 120**	0.01 / 0.1 mg	1	6.268 201
EX223	Ø 130	220	1 mg	1	9.902 375
EX224	Ø 90	220	0.1 mg	1	9.902 371
EX224/AD*	Ø 90	220	0.1 mg	1	6.266 074
EX225D	Ø 80	120 / 220**	0.01 / 0.1 mg	1	6.268 203
EX225D/AD*	Ø 80	120 / 220**	0.01 / 0.1 mg	1	6.268 204
EX225/AD*	Ø 80	220	0.1 mg	1	6.268 205
EX324	Ø 90	320	0.1 mg	1	9.902 373
EX324/AD*	Ø 90	320	0.1 mg	1	6.268 207

*Automatic door

**Dual range

Accessories for analytical balance Explorer®

OHAUS

Type	PK	Cat. No.
Ethernet interface	1	9.902 361
Terminal extension cable	1	9.902 362
Density determination kit	1	9.902 363
Tower kit	1	9.902 364
Draft Shield Kit	1	9.902 366
USB Interface Cable (Type A to B)	1	9.902 368
Theft protection clamp	1	9.947 316

1


1 Analytical Balances PR

The analytical balance PR combines the basic weighing functions, weighing, piece counting and percent weighing with competitive performance, providing high accuracy and repeatability for laboratory, industrial and educational applications.

OHAUS

- Backlit LCD display
- Draftshield
- 4 quick keys for easy operation of multiple weighing modes
- RS 232 interface
- User-selectable span calibration points
- Detachable stainless steel weighing platform
- Integrated weigh-below-hook
- Auto-tare
- Overload, underload and stability indicator

Please note:

Models with extra code /E with external calibration. All other models are equipped with an internal calibration. Models with extra code M are approved instruments according to EN 45501; OIML R76.

Specifications

Permissible ambient temperature range:	10 ... 30 °C
Height in draftshield:	205 mm
Dimensions (W x D x H):	201 x 317 x 303 mm
Weight:	4.5 kg
Power supply:	100 ... 240 V/50 ... 60 Hz

Type	Weighing range	Readability	Reproducibility	Linearity	Plate diam.	PK	Cat. No.
	g	mg	± mg	± mg	mm		
PR124	120	0.1	0.1	0.2	90	1	4.668 265
PR124/E *	120	0.1	0.1	0.2	90	1	4.668 264
PR124M **	120	0.1	0.1	0.2	90	1	4.668 266
PR224	220	0.1	0.1	0.2	90	1	4.668 268
PR224/E *	220	0.1	0.1	0.2	90	1	4.668 267
PR224M **	220	0.1	0.1	0.2	90	1	4.668 269
PR223	220	1.0	1.0	2.0	120	1	4.668 271
PR223/E *	220	1.0	1.0	2.0	120	1	4.668 270
PR223M **	220	1.0	1.0	2.0	120	1	4.668 272
PR423	420	1.0	1.0	2.0	120	1	4.668 274
PR423/E *	420	1.0	1.0	2.0	120	1	4.668 273
PR423M **	420	1.0	1.0	2.0	120	1	4.668 275
PR523	520	1.0	1.0	2.0	120	1	4.668 277
PR523/E *	520	1.0	1.0	2.0	120	1	4.668 276
PR523M **	520	1.0	1.0	2.0	120	1	4.668 278

*external calibration

**approved acc. to EN 45501; OIML R76



1 Analytical balances Pioneer® PX

OHAUS

1

High-performance, economical balances with high accuracy and repeatability for applications in laboratories, industry and education. For basic weighing, parts-counting, percent weighing, dynamic weighing and density determination.

- 2 line, backlit LCD display
- 4 quick keys enable the most common weighing modes
- Draftshield
- USB and RS 232 interface for data exchange with PCs and PLCs
- User-selectable span calibration points
- Real-time clock with GLP/GMP data
- Cast metal lower housing, removable stainless steel weighing pan
- Integrated weigh-below-hook
- Auto-tare
- Many weighing units selectable, a custom unit can be defined
- Models with removable side draftshield doors and static removal bar made from ABS
- Overload, underload and stability indicator
- 4 menu languages



Please note:

Models with extra code /E with external calibration. All other models are equipped with an internal calibration. Models with extra code M are approved instruments according to EN 45501; OIML R76. Models with extra code D are with dual range function.

Specifications

Permissible ambient temperature range:	10 ... 30 °C
Height in draftshield:	235 mm
Dimensions (W x D x H):	209 x 321 x 309 mm
Weight:	4.5 kg
Power supply:	100 ... 240 V/50 ... 60 Hz

Type	Plate diam.	Weighing range	Readability	Reproducibility	Linearity	PK	Cat. No.
	mm	g	mg	± mg	± mg		
PX125D ***	80	52 / 120	0.01 / 0.1	0.02 / 0.1	0.1	1	4.663 320
PX125DM **/**	80	52 / 120	0.01 / 0.1	0.02 / 0.1	0.1	1	4.663 321
PX85	80	82	0.01	0.02	0.1	1	4.663 322
PX85M **	80	82	0.01	0.02	0.1	1	4.663 323
PX225D ***	80	82 / 220	0.01 / 0.1	0.02 / 0.1	0.1	1	4.663 324
PX225DM **/**	80	82 / 220	0.01 / 0.1	0.02 / 0.1	0.1	1	4.663 325
PX124	90	120	0.1	0.1	0.2	1	4.663 327
PX124/E *	90	120	0.1	0.1	0.2	1	4.663 326
PX124M **	90	120	0.1	0.1	0.2	1	4.663 328
PX224	90	220	0.1	0.1	0.2	1	4.663 330
PX224/E *	90	220	0.1	0.1	0.2	1	4.663 329
PX224M **	90	220	0.1	0.1	0.2	1	4.663 331
PX323	120	320	1.0	1.0	2.0	1	4.663 333
PX323/E *	120	320	1.0	1.0	2.0	1	4.663 332
PX323M **	120	320	1.0	1.0	2.0	1	4.663 334
PX523	120	520	1.0	1.0	2.0	1	4.663 336
PX523/E *	120	520	1.0	1.0	2.0	1	4.663 335
PX523M **	120	520	1.0	1.0	2.0	1	4.663 337

*external calibration
 **approved acc. to EN 45501; OIML R76
 ***Dual range

We can supply this
 manufacturer's
 whole
 product range !



Balances/Analytical balances

1



4.671 854

Micro Balances BM



A&D Inst.

Analytical Balances with easy removal of static electricity via a built-in fan-free ionizer and anti-static windshield. Wide range of accessories for a variety of applications, e.g. holder for microcentrifuge tubes or aluminium vessels.

- Clearly readable, white-lit LCD display
- Large weighing chamber, suitable for flasks
- Integrated sensors for temperature, humidity and air pressure
- Internal calibration automatic, based on temperature change, manual, triggered by the operator
- Weighing units: g, mg, oz, ozt, ct, mom, dwt, GN, Tael, Tola, piece (counting), %
- Memory up to 200 data sets
- RS-232C interface and Quick USB Standard.

Specifications

Permissible ambient temperature range:	5 ... 40 °C
Height in draftshield:	252 mm
Dimensions (W x D x H):	259 x 466 x 326 mm
Weight:	approx. 10 kg
Power supply:	12 V, 1 A

Type	Weighing range	Readability	Reproducibility	Linearity	Plate diam.	PK	Cat. No.
	g	mg	± mg	± mg	mm		
BM-20	22	0.001	0.0025	0.010	25	1	4.671 854 1
BM-22	5.1 / 22	0.001 / 0.01	0.004 / 0.01	0.010 / 0.02	25	1	4.671 855
BM-252	250	0.01	0.03	0.10	90	1	4.671 856

2



2 3 4 Analytical balances Cubis® II

Modular premium balances for research and development or analytical laboratories.

Sartorius Lab Instruments

The Cubis® II platform is a completely configurable, high-performance portfolio of both lab weighing hardware and software. The combinability of the display unit, weighing module, draft shield and software packages for various applications and functions allows the individual adaptation to all weighing tasks.

- Monolithic weighing system
- Seamless connectivity to diverse laboratory information systems without the need of additional software
- Integrated climate sensor
- Status center notifications
- Full data integrity following ALCOA+ principles
- Supports all requirements for FDA directive 21 CFR part 11 and EU Annex 11 compliance
- Complete traceability via advanced audit trail and reporting function

3



MCE

4



MCA

MCE Essential User Interface:

- Large, high-contrast TFT touch display
- Factory-installed basic set of essential weighing applications
- Activated by touch key, touch-free using IR sensor or gesture sensor (optional)

MCA Advanced User Interface:

- Large 7" color touch display
- Factory-installed basic set of essential weighing applications
- Various QApp packages for optional software extension
- Activated by touch key, touch-free using IR sensor or gesture sensor (optional)

5



5 Semi-micro- and analytical balances Cubis® II



Sartorius Lab Instruments

- Automatic motorised leveling
- Automatic glass draft shield with integrated ionizer

Height and weight depending upon weighing pan size, filter weighing pan and draft shield. Verified balances and other configurations are available online or on request.

Type	Capacity	Readability	Plate dimensions	Dimensions (W x D x H)	Weight	PK	Cat. No.
	g	mg	mm	mm	kg		
225S, MCA	220	0.01	85 x 85	240 x 404 x 373	10.2	1	4.670 853
224S, MCA	220	0.1	85 x 85	240 x 425 x 373	8.2	1	4.670 852
524S, MCA	520	0.1	85 x 85	240 x 425 x 373	8.2	1	4.670 879
324S, MCE *	320	0.1	85 x 85	240 x 425 x 373	8.2	1	4.670 899

* manual glass draft shield

1 Ultra-micro- and micro balances Cubis® II



1

Sartorius Lab Instruments

- Titanium inner parts
- Automatic motorised levelling
- Automatic, motorized, round, glass draft shield with learning capability, illumination and integrated motion sensor

Height and weight depending upon weighing pan size, filter weighing pan and draft shield. Verified balances and other configurations are available online or on request.

Specifications

Dimensions (W x D x H): 139 x 340 x 129 mm
 Weight: 6.4 kg

Type	Weighing range	Readability	Plate dimensions	PK	Cat. No.
	g	mg	mm		
2.7S, MCA	2.1	0.0001	Ø 20	1	4.670 864
2.7S, MCA *	2.1	0.0001	Ø 50	1	4.670 863
6.6S, MCA	6.1	0.001	Ø 30	1	4.670 882
10.6S, MCA	10.1	0.001	Ø 30	1	4.670 851

* with filter draft shield



2 Platform balance DE-D

2

Kern & Sohn

Compact, lightweight construction suitable for production, warehouse, dispatch department etc.. The display device positioned free-standing or can be mounted to the wall. With the recipe function you can weigh the different ingredients of a mixture. PRE-TARE function for manual subtraction of a known container weight. Protective working cover included with delivery.

- Large backlit LCD display, digit height 25 mm
- Optional battery operation, 9 V block, operating time up to 12 h
- Weighing plate stainless steel, painted steel base

Specification

Permissible ambient temperature: 5 ... 35 °C

Display device

Material: plastic
 Dimensions (W x D x H): 225 x 110 x 45 mm
 IP code: IP65



Type	max. load	Readability	Linearity	Min. piece weight (PW min)	Weight	Plate dimensions	PK	Cat. No.
	kg	g	± g	g/piece	kg	mm		
DE 6K1D	3 / 6	1 / 2	3 / 6	40	4,8	318 x 308 x 75	1	6.251 045
DE 15K2D	6 / 15	2 / 5	6 / 15	100	4,8	318 x 308 x 75	1	6.262 467
DE 35K5D	15 / 35	5 / 10	15 / 30	100	4,8	318 x 308 x 75	1	7.628 620
DE 60K10D	30 / 60	10 / 20	30 / 60	200	4,8	318 x 308 x 75	1	6.255 790
DE 60K10DL	30 / 60	10 / 20	30 / 60	200	16	522 x 406 x 98	1	6.253 642
DE 150K20D	60 / 150	20 / 50	60 / 150	400	5,0	318 x 308 x 75	1	7.655 178
DE 150K20DL	60 / 150	20 / 50	60 / 150	400	16	522 x 406 x 98	1	7.639 620
DE 150K20DXL	60 / 150	20 / 50	60 / 150	400	28	650 x 500 x 89	1	7.654 881
DE 300K50DL	150 / 300	50 / 100	150 / 300	2000	28	650 x 500 x 89	1	6.280 971
DE 6K0.5A	6	0.5	1.5	10	4,8	318 x 308 x 75	1	6.253 821
DE 12K1A	12	1	3	20	4,8	318 x 308 x 75	1	7.655 229
DE 24K2A	24	2	6	40	4,8	318 x 308 x 75	1	6.240 150
DE 60K5A	60	5	15	100	4,8	318 x 308 x 75	1	6.242 923
DE 120K10A	120	10	30	200	5,0	318 x 308 x 75	1	6.242 589
DE 15K0.2D	6 / 15	0.2 / 0.5	0.8 / 2	4	4,0	318 x 308 x 88	1	6.239 797
DE 35K0.5D	15 / 35	0.5 / 1	2 / 4	10	7	318 x 308 x 88	1	7.656 917
DE 60K1D	30 / 60	1 / 2	4 / 8	20	7	318 x 308 x 88	1	6.254 014
DE 150K2DL	60 / 150	2 / 5	8 / 20	40	15	522 x 403 x 83	1	6.254 284



1



1 Halogen Moisture Analyser DBS 60-3

Modern moisture analyser with 10 memories and graphic display

Kern & Sohn

- Halogen quartz glass heater 400 W
- Backlit LCD display, digit height 15 mm: Previous drying time, current temperature, unit for displaying the results, current moisture content in %, drying mode/Status display drying
- Observation window over the sample, useful during initial adjustment
- Internal memory for automatic sequence of 10 drying programs and 100 drying processes carried out
- The last value measured remains on the display until it is replaced by a new measurement
- Sample description for up to 99 samples, 2 digits, freely programmable, and is printed in the measuring protocol
- Date and time display as standard
- 10 sample plates included
- Table of applications: There are many practical examples in the operating instructions

Specifications

Readability:	0.01 % or 0.001 g
Weighing range, max:	60 g
Reproducibility, weight of sample 2 g:	0.15 %
Reproducibility, weight of sample 10 g:	0.02 %
Temperature range:	+50 to +200 °C
Dimensions (W x D x H):	204 x 336 x 167 mm

Type	PK	Cat. No.
DBS 60-3	1	9.901 441

Suitable accessories can be found in our online shop.

Moisture analyser DAB 200-2/DAB 100-3

Moisture analyser with user-friendly graphics display and 15 memories for drying programs.

Kern & Sohn

- Halogen quartz glass heater 400 W
- Backlit LCD display, digit height 14 mm
- Display of: Drying process active, Active heating profile, Active switch-off criteria, Previous drying time, Current temperature, Moisture display in %, Interim result in moisture-%
- Observation window above the sample, useful during initial setting
- Internal memory for automatic sequence of 15 complete drying processes and 5 drying processes carried out
- The last value measured remains on the display until it is replaced by a new measurement
- 50 sample plates included

Specifications

Recommended humidity range:	5 ... 80 %
Temperature range:	40 ... 199 °C in steps of 1 °C
Dimensions (W x D x H):	240 x 365 x 180 mm
Weight:	4.82 kg
Power supply:	230 V AC, 50 Hz

2



2 Moisture analyser DAB 200-2

Model with lower resolution, whereby the switch-off criterion is reached faster, which saves time. Ideal for quick tests and spot checks.

Kern & Sohn

Specifications

Readability:	0.05 % or 0.01 g
Weighing range, max:	200 g
Reproducibility, weight of sample 2 g/10 g:	1.5 %/0.3 %

Type	PK	Cat. No.
DAB 200-2	1	6.292 002

3



3 Moisture analyser DAB 100-3

Kern & Sohn

Specifications

Readability:	0.01 % or 0.001 g
Weighing range, max:	110 g
Reproducibility, weight of sample 2 g/10 g:	0.15 %/0.02 %

Type	PK	Cat. No.
DAB 100-3	1	6.281 836

1 Moisture balances MB23 and MB25

The Moisture Analyzers MB-23 and MB-25 provide stable results with 0.1% or 0.05 % moisture resolution because of precision weighing technology. They are supplied with either an infra-red, or halogen, heating system. Applicable for most applications. Graphical interface control. No programming necessary.

OHAUS

- Halogen (MB-25) or infra-red (MB23) technology
- Sample holder included in MB25 but as option in MB23
- Delivered with 50 x 90 mm aluminium sample dishes and protective cover

Specifications	MB23 // MB25
Capacity:	110 g
Repeatability 3 g/10 g:	0.3 %/0.2 % // 0.2 %/0.05 %
Readability:	0.1 % or 0.01 g // 0.05 % or 0.005 g
Timer:	1 ... 99 min, 30-second increments to 60 min
Temperature range:	50 ... 160 °C
Operating temperature:	5 ... 40 °C
Pan size (diam.):	90 mm
Dimensions (W x D x H):	170 x 130 x 280 mm
Net weight:	2.3 kg
Power supply:	100 - 240 V, 50/60 Hz

Type	PK	Cat. No.
MB23	1	9.947 604
MB25	1	9.947 605

1



2 Halogen Moisture balance MB27

Ideal for routine moisture determinations, that require precise results up to 0.01 % and high capacity up to 90 g. Optimal for applications e.g. in the food, agriculture, chemical and pharmaceutical sector. Easy setting of the parameters. Compact instrument with easy-to-clean heating chamber.

OHAUS

- Backlit LCD display
- Tare Range to capacity by subtraction
- Displays % moisture or % solids or weight (g), temperature, time
- Bidirectional interface(RS-232)

Specifications	
Capacity:	90 g
Repeatability 3 g/10 g:	0.2 %/0.05 %
Readability:	0.01% or 0.001 g
Timer:	1 to 99 min, 30-second increments to 60 min
Temperature range:	50 ... 160 °C (in 5 °C increments)
Operating temperature:	5 ... 40 °C
Pan size (diam.):	90 mm
Dimensions (W x D x H):	170 x 280 x 140 mm
Weight:	2.3 kg
Power supply:	100 - 240 V, 50/60 Hz

Type	PK	Cat. No.
MB27	1	4.663 998

2



3 Accessories Moisture balances MB series

OHAUS

Description	For	PK	Cat. No.
Dot matrix printer	MB23/25/27/90/120	1	6.260 786
Protective cover	MB90/120	1	6.282 767
Disposable sample dishes, 90 mm	MB23/25/27/90/120	80	9.947 310
Glass fibre filter	MB23/25/27/90/120	200	9.947 312
Reusable Pan, 7 mm	MB23/25/27/90/120	3	6.282 770
Reusable Pan, 14 mm	MB23/25/27/90/120	3	6.282 771
Pan Holder	MB90/120	1	6.282 766
Cage	MB23/25/27/90/120	1	6.282 769
Scoop	MB90/120	1	6.282 768

3



Balances/Moisture balances

1



6.282 764

2



6.282 765

Halogen moisture balances MB90 and MB120

Moisture Analysis Made Simple and Powerful.

OHAUS

- The precisely controlled halogen heating dries samples quickly and ensures uniform heating to yield fast, precise and repeatable results of 0.01 % readability
- Designed with effortless maintenance in mind; removable pan handler and heating chamber components that make cleaning quick and easy, no tools needed
- Icon-based menu navigation on the easy-to-read touchscreen display makes operating intuitive
- MB120's Temperature Guide analyzes a sample and determines the optimal drying temperature
- Applications: Percent Moisture Determination, Percent Moisture Regain Determination, Percent Solid Determination, Weighing
- Display 4.3": TFT color touchscreen display
- Operation: Power cord (included)
- Communication: RS232 with GLP/GMP data output, USB Host and USB Device (included)
- Construction: Metal base, ABS top housing, halogen heat source, stainless steel pan support, stainless steel pan handler, in-use cover

Design Features MB90: Three shut-off criteria (manual, timed or auto), two drying profiles (standard and fast), storage up to two methods, user guide, 40 to 200 °C heating temperature range (1 °C increments), 13 operational languages

Design Features MB120: Seven shut-off criteria (manual, timed, autofree %/s, autofree mg/s, A30, A60 and A90), four drying profiles (standard, fast, ramp and step), storage up to 100 methods and 1000 test results for all methods, user guide, 40 to 230 °C heating temperature range (1 °C increments), 13 operational languages

Specifications

	MB90 // MB120
Capacity:	90 g // 120 g
Repeatability 3 g/10 g:	0.18 %/ 0.02 % // 0.05 %/0.015 %
Readability:	0.01 % or 0.001 g
Temperature range:	40 ... 200 °C // 40 ... 230 °C
Operating temperature:	10 ... 40 °C
Pan size (diam.):	90 mm
Dimensions (W x D x H):	210 x 350 x 180 mm
Weight:	5.23 kg
Power supply:	120 or 240 VAC, 50 ... 60 Hz

Type	PK	Cat. No.
MB90	1	6.282 764 1
MB120	1	6.282 765 2

3



3 Moisture Analyser MA35

Sartorius Lab Instruments

- Fully automatic heating of a sample by two powerful metal tubular-shaped heating elements (also called dark radiators)
- Particularly simple operator guidance using self-explanatory pictograms
- Sample quantity 5-15g
- % moisture content, % dry weight, ATRO value, g residue, mg weight loss
- Shutoff criteria (optional): fully automatic, timer setting (0.1-99min.), manual
- Access to sample chamber through hinged cover with large opening angle
- 1 program saved in a non-volatile memory (freely selectable parameters)
- Printout using an optional, external printer (Cat. No. 6.238 838)
- Fixed standard configuration GLP report for measuring results, calibration, adjustment (5 languages selectable)
- External calibration using optional weight sets
- Data interface RS232 C-S/V24-V28, 7 data bits (ASCII) 1 parity bit

Specifications

Readability:	0.01 % or 0.001 g
Weighing range, max:	35 g
Reproducibility, weight of sample 1g:	±0.2 %
Reproducibility, weight of sample 5g:	±0.05 %
Temperature range:	40 ... 160 °C, in increments of 1 °C
Power consumption:	400 VA
Dimensions (W x D x H):	224 x 366 x 191mm

Type	max. load	Min. temp.	Max. temp.	PK	Cat. No.
	g	°C	°C		
MA35M-230N	35	40	160	1	6.272 569

1 Moisture Analyser MA160

The MA160 moisture analyzer is designed for quick and reliable determination of the moisture content of liquids, pastes and solids using the thermogravimetric method. Suitable for the use in QA laboratories and for process control. For testing of foods, beverages, pharmaceuticals, chemicals, sugar, paper materials and products for environmental protection.

Sartorius Lab Instruments



- High-performance AURI heating unit for homogeneous drying
- Heating elements are fast, extremely rugged and durable
- Exceptionally high-speed measurements (up to 30 % faster)
- Fast and precise method development
- Memory capacity for storage of methods and results
- Method import and export via SD card
- Reliable performance testing
- Effortless cleaning
- User-friendly operation
- Downward compatibility with MA150 and MA35

Specifications

Readability:	0.01 % or 0.001 g
Weighing range, max:	200 g
Reproducibility, 1 g/5 g:	±0.2 %/±0.05 %
Temperature range:	40 ... 200 °C (in 1 °C increments)
Recommended humidity range:	1 ... 99 %
Power consumption:	600 W
Dimensions (W x D x H):	215 x 400 x 210 mm
Weight:	6.2 kg
Power supply:	230 V

Type	PK	Cat. No.
MA160	1	4.653 450

Accessories for Moisture Analyser MA series

Sartorius Lab Instruments

Description	For	PK	Cat. No.
Disposable sample dishes, aluminium, round	MA35 / 37 / 100 / 160	80	9.902 612
Glass fibre filter, hard quality	MA35 / 37 / 100 / 160	80	9.601 426
Glass fibre filter, soft quality	MA35 / 37 / 100 / 160	200	6.232 716
Data printer (external)	MA35 / 37 / 100 / 160	1	6.238 838
Premium GLP printer	MA35 / 37 / 100 / 160	1	6.284 497
Data printer (built-in)	MA50 / 100	1	9.902 611
Data cable for printer	MA35 / 37 / 100 / 160	1	6.261 483
Temperature adjustment set	MA35 / 37 / 100 / 160	1	6.282 022
ReproEasy Pads	MA37 / 160	10	6.289 754

OIML classes

Classes of Accuracy Nominal value	(Tolerance ±)						
	E1	E2	F1	F2	M1	M 2	M 3
1mg	± 0.003 mg	± 0.006 mg	± 0.020 mg	± 0.006 mg	± 0.20 mg		
2mg	± 0.003 mg	± 0.006 mg	± 0.020 mg	± 0.006 mg	± 0.20 mg		
5mg	± 0.003 mg	± 0.006 mg	± 0.020 mg	± 0.006 mg	± 0.20 mg		
10mg	± 0.003 mg	± 0.008 mg	± 0.025 mg	± 0.008 mg	± 0.25 mg		
20mg	± 0.003 mg	± 0.010 mg	± 0.03 mg	± 0.10 mg	± 0.3 mg		
50mg	± 0.004 mg	± 0.012 mg	± 0.04 mg	± 0.12 mg	± 0.4 mg		
100mg	± 0.005 mg	± 0.016 mg	± 0.05 mg	± 0.16 mg	± 0.5 mg	± 1.6 mg	
200mg	± 0.006 mg	± 0.020 mg	± 0.06 mg	± 0.20 mg	± 0.6 mg	± 2.0 mg	
500mg	± 0.008 mg	± 0.025 mg	± 0.08 mg	± 0.25 mg	± 0.8 mg	± 2.5 mg	
1g	± 0.010 mg	± 0.03 mg	± 0.10 mg	± 0.3 mg	± 1.0 mg	± 3.0 mg	± 10 mg
2g	± 0.012 mg	± 0.04 mg	± 0.12 mg	± 0.4 mg	± 1.2 mg	± 4.0 mg	± 12 mg
5g	± 0.016 mg	± 0.05 mg	± 0.16 mg	± 0.5 mg	± 1.6 mg	± 5.0 mg	± 16 mg
10g	± 0.020 mg	± 0.06 mg	± 0.20 mg	± 0.6 mg	± 2.0 mg	± 6.0 mg	± 20 mg
20g	± 0.025 mg	± 0.08 mg	± 0.25 mg	± 0.8 mg	± 2.5 mg	± 8.0 mg	± 25 mg
50g	± 0.03 mg	± 0.10 mg	± 0.3 mg	± 1.0 mg	± 3.0 mg	± 10 mg	± 30 mg
100g	± 0.05 mg	± 0.16 mg	± 0.5 mg	± 1.6 mg	± 5.0 mg	± 16 mg	± 50 mg
200g	± 0.10 mg	± 0.3 mg	± 1.0 mg	± 3.0 mg	± 10 mg	± 30 mg	± 100 mg
500g	± 0.25 mg	± 0.8 mg	± 2.5 mg	± 8.0 mg	± 25 mg	± 80 mg	± 250 mg
1kg	± 0.5 mg	± 1.6 mg	± 5.0 mg	± 16 mg	± 50 mg	± 160 mg	± 500 mg
2kg	± 1.0 mg	± 3.0 mg	± 10 mg	± 30 mg	± 100 mg	± 300 mg	± 1000 mg
5kg	± 2.5 mg	± 8.0 mg	± 25 mg	± 80 mg	± 250 mg	± 800 mg	± 2500 mg
10kg	± 5.0 mg	± 16 mg	± 50 mg	± 160 mg	± 500 mg	± 1600 mg	± 5000 mg
20kg	± 10 mg	± 30 mg	± 100 mg	± 300 mg	± 1000 mg	± 3000 mg	± 10 g
50kg	± 25 mg	± 80 mg	± 250 mg	± 800 mg	± 2500 mg	± 8000 mg	± 25 g
100kg		± 160 mg	± 500 mg	± 1600 mg	± 5000 mg	± 16 g	± 50 g
200kg		± 300 mg	± 1000 mg	± 3000 mg	± 10 g	± 30 g	± 100 g
500kg		± 800 mg	± 2500 mg	± 8000 mg	± 25 g	± 80 g	± 250 g
1000kg		± 1600 mg	± 5000 mg	± 16 g	± 50 g	± 160 g	± 500 g
2000kg			± 10 g	± 30 g	± 100 g	± 300 g	± 1000 g
5000kg			± 25 g	± 80 g	± 250 g	± 800 g	± 2500 g

Balances/Weights

1



1 Calibration weights, class M1

Brass, finely turned (also available in stainless steel). Plastic box with internal foam support available on request. Also available with internationally recognised DAkkS calibration certification on request.

Kern & Sohn

Weight g	Accuracy ± mg	PK	Cat. No.
1	1.0	1	9.900 501
2	1.2	1	9.900 502
5	1.5	1	9.900 505
10	2.0	1	9.900 510
20	2.5	1	9.900 512
50	3.0	1	9.900 515
100	5.0	1	9.900 520
200	10	1	9.900 522
500	25	1	9.900 525
1000	50	1	9.900 531
2000	100	1	9.900 532
5000	250	1	9.900 535

Also available: Single weights or complete weight sets in OIML-classes E1, E2, F1, F2, M1, M2, M3.

2



2 Calibration weights, class F1, cylindrical

Stainless steel, polished. Plastic boxes with internal foam support or wooden boxes and internationally recognised DAkkS certificates are separately available.

Kern & Sohn

Weight g	Accuracy ± mg	PK	Cat. No.
1	0,1	1	7.630 402
2	0,12	1	7.651 146
5	0,16	1	7.651 098
10	0,2	1	7.608 143
20	0,25	1	6.056 393
50	0,3	1	6.054 634
100	0,5	1	6.253 660
200	1	1	6.056 390
500	2,5	1	6.901 628
1000	5	1	6.229 584
2000	10	1	6.056 389
5000	25	1	6.054 631

Also available: Single weights or complete weight sets in OIML-classes E1, E2, F1, F2, M1, M2, M3.

3



3 Calibration weights, class F1, compact shape

Stainless steel, polished. Plastic boxes with internal foam support or wooden boxes and internationally recognised DAkkS certificates are separately available.

Kern & Sohn

Weight g	Accuracy ± mg	PK	Cat. No.
1	0.1	1	6.285 539
2	0.12	1	4.659 260
5	0.16	1	4.659 261
10	0.2	1	6.267 155
20	0.25	1	7.940 456
50	0.3	1	6.267 562
100	0.5	1	6.242 987
200	1	1	4.659 262
500	2.5	1	6.274 992
1000	5	1	6.236 357
2000	10	1	4.659 263
5000	25	1	6.275 891

Also available: Single weights or complete weight sets in OIML-classes E1, E2, F1, F2, M1, M2, M3.

4



4 Calibration weights, class E2, compact shape

Stainless steel, polished. Plastic boxes with internal foam support or wooden boxes and internationally recognised DAkkS certificates are available separately.

Weight g	Accuracy ± mg	PK	Cat. No.
1	0.03	1	6.233 989
2	0.04	1	6.234 003
5	0.05	1	7.639 008
10	0.06	1	7.653 221
20	0.08	1	7.653 222
50	0.10	1	6.233 196
100	0.16	1	6.233 990
200	0.30	1	6.233 991
500	0.80	1	6.233 992
1000	1.60	1	4.652 699
2000	3.00	1	7.653 223
5000	8.00	1	7.671 083

Also available: Single weights or complete weight sets in OIML-classes E1, E2, F1, F2, M1, M2, M3.

1 Undergloves, Cotton

100% Cotton. Monofilament, ideal to wear under chemical protection gloves. 1 pair per pack. Cat. I

Size	Length mm	PK	Cat. No.
6	250	1	6.235 155
7	250	1	7.623 809
8	250	1	9.005 222
9	250	1	7.625 555
10	250	1	7.623 881
11	250	1	7.623 810
12	250	1	9.005 223
13	250	1	6.224 187



2 Balance brush

Oval.

Type	Size	Diam. mm	PK	Cat. No.
Brush	1	5	1	2.600 069
Brush	2	6	1	6.266 807
Brush	4	9	1	6.074 169
Brush	6	12	1	6.266 808
Brush set*	2, 4, 6		1	6.266 825

*consisting of one brush each size 2/6mm, size 4/9mm and size 6/12mm



3 Forceps with silicone-coated tips, stainless steel

Kern & Sohn

Type	Length mm	PK	Cat. No.
for weights 1mg to 200g, for E1 to F1	105	1	9.900 790
for weights 500g to 2kg, for E1 to F1	250	1	6.054 809



4 LLG weighing scoops, porcelain

Length mm	PK	Cat. No.
37	1	9.115 350
53	1	6.241 255
64	1	9.115 351



5 Weighing scoops, stainless steel 18/10

ISOLAB

Length mm	PK	Cat. No.
95	1	6.238 169
117	1	6.238 170
125	1	6.238 171



6 Weighing scoops, aluminium

Without counterweight.

Length mm	PK	Cat. No.
70	1	9.301 006
90	1	9.301 008
105	1	9.301 010
120	1	6.203 560



7 Weighing scoops, Borosilicate glass 3.3

Without counterweight.

Length mm	PK	Cat. No.
60	1	9.301 026
80	1	9.301 028
100	1	9.301 030



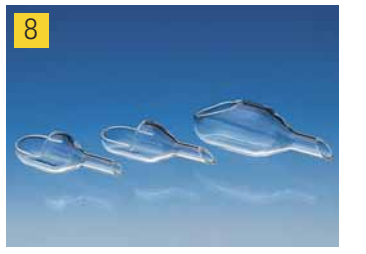
8 Weighing scoops, glass

Made of high quality Borosilicate glass 3.3. Ideal for powders or granules which are dispensed via the tubular stem.

Funnel shape for loss-free ejection of the weighing sample.

Scherf

Capacity ml	Length mm	PK	Cat. No.
3	80	1	9.301 066
6	85	1	9.301 067
10	110	1	9.301 068



1

1

Weighing boat parchment paper, Kjeldahl 609, nitrogen-free

Ideal for weighing and transporting all types of sample. Especially for determination of nitrogen according to Kjeldahl (e.g. determination of total protein content in foodstuff). Made of nitrogen-free parchment paper. Can be dropped into the Kjeldahl flask and be dissolved together with the sample.

Whatman

Type	Width mm	Length mm	Height mm	PK	Cat. No.
Kjeldahl 609	10	55	10	100	9.069 011

2

2

Weighing boats MN 808, Paper, nitrogen-free

Pack of 100 pieces.
Paper

MACHEREY-NAGEL

Dimensions: 58mm x 10mm x 10mm

Type	Length mm	Width mm	Height mm	PK	Cat. No.
MN 808	58	10	10	100	9.301 069

Other sizes and weighing aids available on request.

3

3

LLG-Weighing paper

- Not treated with nitrogen during production
- Smooth surface
- 45 g/m² paper
- Block of 500 sheets

Dimensions (D x W) mm	PK	Cat. No.
76 x 76	500	6.272 246
102 x 102	500	6.272 247
152 x 152	500	6.272 248

4

4

Weighing paper MN 226

Transparent, smooth. 40 g/m² paper
Block of 100 sheets.

MACHEREY-NAGEL

Type	Width mm	Length mm	PK	Cat. No.
MN 226	90	115	100	9.058 975

Further weighing aids available on request.

Weighing Papers, Grade 2122

The weigh paper sheets reliably allow samples to be transferred to scales without adding unwanted substances that could impact analytical results.

Whatman

- Smooth surface allows samples to slide off with ease and not be retained on paper.
- Shiny pergamyne paper allows visual determination that all sample has been removed.
- Extremely thin (0.03 mm) and lightweight (40 g/m²) for safe and secure sample transport.
- No glue or additives (residue-free).

Note: This paper is not low in nitrogen. Therefore, it should not be used for Kjeldahl analysis.

Dimensions (D x W) mm	PK	Cat. No.
150 x 150	500	7.009 805
100 x 100	500	7.009 806

5

5

Playing card rejects

Standard size for use as disposable sample carriers or spatulas. Pack size: 1 kg, not sorted.

Type	PK	Cat. No.
Printed and laminated on both sides	1	9.190 940

1 LLG-Weighing bottles with NS lid, Borosilicate glass 3.3

With writing area.
Available in tall or low shape.

Form	Capacity ml	Diam. mm	Height mm	NS	PK	Cat. No.
low	3	25	25	19/12	1	9.300 151
low	10	35	30	29/12	1	9.300 152
low	11	40	25	34.5/12	1	9.300 150
low	20	50	30	45/12	1	9.300 153
low	29	60	30	50/12	1	9.300 154
low	60	80	30	80/12	1	9.300 155
tall	9	25	40	19/12	1	9.300 160
tall	19	30	50	24/12	1	9.300 161
tall	42	35	70	29/12	1	9.300 162
tall	66	40	80	34.5/12	1	9.300 163
tall	105	50	80	45/12	1	9.300 164



2 Weighing bottles DURAN® tube, with NS stopper

DIN 12605. With white inscription label. Burned-in imprint of capacity and size. Available in high or low shape.

Nominal capacity ml	Form	Body diam. mm	Height mm	NS	PK	Cat. No.
6	low	25	25	24/12	1	9.300 022
15	low	40	25	40/12	1	9.300 021
15	low	35	30	34/12	1	9.300 023
30	low	50	30	50/12	1	9.300 032
45	low	60	30	60/12	1	9.300 037
80	low	80	30	80/12	1	9.300 041
8	tall	20	40	19/12	1	9.300 345
10	tall	25	40	24/12	1	9.300 113
20	tall	30	50	29/12	1	9.300 118
25	tall	35	50	34/12	1	9.300 356
30	tall	40	50	40/12	1	9.300 357
45	tall	40	65	40/12	1	9.300 360
45	tall	35	70	34/12	1	9.300 123
70	tall	40	80	40/12	1	9.300 124
110	tall	50	80	50/12	1	9.300 127



LLG-Sample dishes, Aluminium

High quality aluminium sample dishes, for moisture determination.

Description	Diam. mm	Height mm	PK	Cat. No.
Sample dishes	90	7	80	6.282 670
Sample dishes	100	7	80	6.265 408 ³
Sample dishes with rim	100	7	80	6.281 537 ⁴



5 6 LLG-Weighing dishes, aluminium

Made from oil-free, lightweight aluminium. With a flanged, crimped wall for rigidity. Finger-tab handle can be etched for identification prior to weighing.

Ø mm	Height mm	PK	Cat. No.
43	12	100	6.238 138
57	14	100	6.238 139
70	16	100	6.238 140
101 *	8	50	6.236 854

* without Finger-tab handle



7 LLG-Weighing boats, diamond, antistatic, PS

Biologically inert and resistant to dilute and weak acids, aqueous solutions, alcohols, and bases. Temperature range -10 to +70°C. Can be used with microwave moisture analysers. Features a diamond shape that easily flexes for accurate pouring and a wide, flat bottom to resist tipping.

Capacity ml	Colour	Dimensions mm	PK	Cat. No.
5	white	55 x 35 x 6	1000	9.900 788
30	white	85 x 65 x 14	500	9.950 194
100	white	125 x 100 x 19	250	9.950 195
5	black	55 x 35 x 6	1000	9.900 801
30	black	85 x 65 x 14	500	9.950 196
100	black	125 x 100 x 19	250	9.950 197





1 LLG-Hexagonal weighing boats, antistatic, PS

Biologically inert and resistant to dilute and weak acids, aqueous solutions, alcohols, and bases. Temperature range -10 to +70°C. Can be used with microwave moisture analyzers. Bend flexible boats at points to form pour spouts. Flat bottoms to resist tipping. Sloping sides provide accurate transfer.

Colour	Size	Dimensions mm	PK	Cat. No.
white	Small	38 x 25 x 9	500	9.900 893
white	Medium	64 x 51 x 19	500	9.900 894
white	Large	102 x 76 x 22	500	9.900 895
white	X-Large	127 x 89 x 31	500	9.900 896

2 LLG-Weighing boats, square, antistatic, PS

Biologically inert and resistant to dilute and weak acids, aqueous solutions, alcohols, and bases. Temperature range -10 to +70°C. Can be used with microwave moisture analysers. Boats are shallow with a wide, flat bottom to resist tipping. Rounded corners simplify transfer.

Capacity ml	Colour	Dimensions (W x D x H) mm	PK	Cat. No.
7	White	44 x 44 x 8	1000	9.900 785
100	White	80 x 80 x 24	1000	9.900 786
250	White	140 x 140 x 22	1000	9.900 787
7	Black	44 x 44 x 8	1000	9.900 789
100	Black	80 x 80 x 24	1000	9.900 791
250	Black	140 x 140 x 22	1000	9.900 800

3 Balance bench with granite slab

Constructed to absorb vibrations and oscillations, which would otherwise distort the weighing result. With a granite slab positioned on absorbing rubber components as surface for placing the analytical balance. The work surface surrounds the slab and offers many storage options. The sturdy aluminium frame has four height-adjustable feet, which can be used to accurately level the balance bench on an uneven floor. The inlet on front of the table offers the possibility to work at the bench in an ergonomic standing or seated position without touching the table. All surfaces are easy and hygienic to clean.

Kern & Sohn

Specifications

Dimensions (W x D x H): 800 x 650 x 800 mm (height adjustable)
 Dimensions granite slab (W x D x H): 400 x 450 x 70 mm
 Net weight: approx. 55 kg

Description	PK	Cat. No.
Balance bench with granite slab	1	6.262 477



4 Anti-vibration platform, Vibrasorb

For absorbing and damping vibrations down to 16Hz. Comprises of a moulded terrazzo slab supported on four vibration absorbers with non-slip feet. Suitable for isolating sensitive analytical instruments such as balances and microscopes. Will support up to 16kg.

Bel-Art Products

- Polished surface
- Resists scratches and chemical attack

Width mm	Depth mm	Height mm	Weight kg	PK	Cat. No.
350	350	76	19	1	9.941 600
450	560	76	39	1	9.951 600