4

ANALYTICAL BALANCES

Quick-Finder Analytical Balances

Readout [d] mg	Weighing range [Max] g	Model KERN		Page	M	CAL INT	CAL EXT	RS 232	USB	GLP INTERN	GLP PRINTER	RECIPE
					For an explanation on the pictos, see the front flap							
0,01 | 0,1	42 | 120	ABT 120-5DNM		48	○	●		●		●		●
0,01 | 0,1	52 | 120	ABP 100-5DM		50	○	●		●	●	●		●
0,01 | 0,1	52 | 120	ABP 100-5DAM		52	○	●		●	●	●		●
0,01 | 0,1	82 | 220	ALJ 200-5DA		44		●		●		●		●
0,01 | 0,1	82 | 220	ABT 220-5DNM		48	○	●		●		●		●
0,01 | 0,1	102 | 220	ABP 200-5DM		50	○	●		●	●	●		●
0,01 | 0,1	102 | 220	ABP 200-5DAM		52	○	●		●	●	●		●
0,01	101	ABT 100-5NM		48	○	●		●		●		●
0,01	135	ABP 100-5M		50	○	●		●	●	●		●
0,01	135	ABP 100-5AM		52	○	●		●	●	●		●
0,01	210	ALJ 210-5A		44		●		●		●		●
0,01	220	ABP 200-5AM		52	○	●		●	●	●		●
0,01	220	ABP 200-5M		50	○	●		●	●	●		●
0,1	82	ACS 80-4		46			●	●	●		●	●
0,1	82	ACJ 80-4M		46	○	●		●	●		●	●
0,1	120	ACS 100-4		46			●	●	●		●	●
0,1	120	ACJ 100-4M		46	○	●		●	●		●	●
0,1	120	ABT 120-4NM		48	○	●		●		●		●
0,1	120	ABP 100-4M		50	○	●		●	●	●		●
0,1	120	ADB 600-C3 💎		43			●	●			●	
0,1	120	ADB 100-4		43			●	●			●	
0,1	120	ADJ 600-C3 💎		43		●		●			●	
0,1	120	ADS 100-4	1550,–	49			●	●	●			●
0,1	120	ADT 100-4	1700,–	49		●		●	●			●
0,1	120	ADJ 100-4		43		●		●			●	
0,1	160	ALS 160-4A		44			●	●		●		●
0,1	160	ALJ 160-4A		44		●		●		●		●
0,1	220	ACS 200-4		46			●	●	●		●	●
0,1	220	ACJ 200-4M		46	○	●		●	●		●	●
0,1	220	ABT 220-4NM		48	○	●		●		●		●
0,1	220	ABP 200-4M		50	○	●		●	●	●		●
0,1	220	ABP 200-4AM		52	○	●		●	●	●		●
0,1	220	ADB 200-4		43			●	●			●	
0,1	220	ADS 200-4	1750,–	49			●	●	●			●
0,1	220	ADT 200-4	1900,–	49		●		●	●			●
0,1	220	ADJ 200-4		43		●		●			●	
0,1	250	ALS 250-4A		44			●	●		●		●
0,1	250	ALJ 250-4A		44		●		●		●		●
0,1	310	ALJ 310-4A		44		●		●		●		●
0,1	320	ACS 300-4		46			●	●	●		●	●
0,1	320	ACJ 300-4M		46	○	●		●	●		●	●
0,1	320	ABT 320-4NM		48	○	●		●		●		●
0,1	320	ABP 300-4M		50	○	●		●	●	●		●
0,1	320	ABP 300-4AM		52	○	●		●	●	●		●
0,1	320	ADS 300-4	1950,–	49			●	●	●			●
0,1	320	ADT 300-4	2100,–	49		●		●	●			●
0,1	510	ALJ 500-4A		44								

News 2025 💎 = Carat balance ● Standard ○ Option


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The price leader in analytical balances, with internal or external adjustment

Features

- KERN ADJ: Automatic internal adjustment in the case of a change in temperature ≥ 2 °C or time-controlled every 3 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- KERN ADB: Adjusting program CAL for quick setting of the balance accuracy, external test weights at an additional price, see *Test Weights*
- Glass draught shield with 3 sliding doors for easy access to the items being weighed standard
- 1 ADB 600-C3/ADJ 600-C3: Compact, space-saving carat balances with a readout of 0.001 ct and a weighing range of 600 ct. The high level of accuracy saves hard cash wherever you are weighing valuable precious stones
- Level indicator and levelling feet for precise levelling of the scale, fitted as standard, to give the most accurate weighing result
- Simple and convenient 6-key operation

Technical data

- Large backlit LCD display, Digit height 16 mm
- Dimensions weighing surface, stainless steel, ø 90 mm
- Weighing space W×D×H
  KERN ADB-C/ADJ-C: 170×160×110 mm
  KERN ADB/ADJ: 170×160×205 mm
- Permissible ambient temperature 10 °C/30 °C

Accessories

- 2 Set for density determination of liquids and solids with density ≤/≥ 1, KERN YDB-03
- 3 Ioniser to neutralise electrostatic charge, KERN YBI-01A
- 4 Gemstones plate, aluminium with practical spout, W×D×H 130×80×30 mm, KERN AEJ-A05
- 5 Weighing table to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03
- Minimum weight of sample, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103
- Equipment qualification: compliant qualification concept with Installation and Operating Qualification (IQ, OQ), for details see page 222
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL INT (ADJ) · CAL EXT (ADB) · RS 232 · GLP PRINTER · PCS · % PERCENT · UNIT · MULTI · FORCE · 1 DAY

OPTION

DAkkS +3 DAYS

Model KERN	Weighing capacity [Max] g	Readability [d] mg	Reproducibility mg	Linearity mg	Overall dimensions W×D×H mm	Net weight kg	Options DAkkS Calibr. Certificate DAkkS KERN
ADB 100-4	120	0,1	0,2	± 0,4	230×310×330	4,4	963-101
ADB 200-4	220	0,1	0,2	± 0,4	230×310×330	4,4	963-101
ADB 600-C3	600 ct	0,001 ct	0,002 ct	± 0,004 ct	230×310×210	3,8	963-101
ADJ 100-4	120	0,1	0,2	± 0,4	230×310×330	5,0	963-101
ADJ 200-4	220	0,1	0,2	± 0,4	230×310×330	5,0	963-101
ADJ 600-C3	600 ct	0,001 ct	0,002 ct	± 0,004 ct	230×310×210	4,6	963-101

KERN ALJ 200-5DA with optional ioniser 2, see *Accessories*. High-precision semi-micro analytical balance. Thanks to its high level of precision, it is ideal for calibrating pipettes
Note: To prevent evaporation we recommend economical capillary tubes (see standard 8655)

Analytical balances with a large weighing range, graphics display and user-friendly recipe weighing function – also as single-range semi-micro balance with unbelievably high resolution

Convenient recipe-weighing with the recipe database, up to 99 recipes can be stored, each with up to 20 recipe ingredients with name and target value

Clear printout with date and time. In addition, the components of the mixture are numbered automatically and printed out with the name and weight

GLP/ISO record keeping: professional, detailed GLP Protocol, so that the balance is completely compliant with the relevant standard requirements in accordance with ISO, GLP and GMP


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Features

- ALJ 210-5A: Semi-micro model with just one weighing range with unbelievably high resolution. 2 Particularly advantageous: the ioniser KERN ALJ-A03 for neutralising electrostatic charge is already fitted as standard
- Rapid working thanks to the graphics display and user-friendly, clear user guidance in German, English, French, Italian, Spanish and Portuguese
- KERN ALJ: Automatic internal adjustment, guarantees high degree of accuracy and makes the balance independent of its location of use
- KERN ALS: Adjusting program CAL for quick setting of the balance accuracy using an external test weight at an additional price, see *Test Weights*
- Short stabilisation time: steady weight values within approx. 4 s (Models with [d] = 0,1 mg) 10 s; 6 s (Models with [d] = 0,01 | 0,1 mg) under laboratory conditions
- Weighing with tolerance range: a visual and audible signal helps with portioning, dispensing or grading
- Dosage aid: High stability mode and other filter settings can be selected
- Internal memory for complete recipes with name and target value of the recipe ingredients
- Ergonomically optimised keypad for left and righthanded users
- Large glass draught shield with 3 sliding doors for easy access to the items being weighed. weighing space W×D×H 160×170×225 mm
- Compact size
- Protective working cover included with delivery

Technical data

- Backlit LCD graphic display, digit height 15 mm
- Dimensions weighing surface, stainless steel, ø 80 mm
- Overall dimensions W×D×H 210×340×330 mm
- Permissible ambient temperature 5 °C/35 °C

Accessories

- Protective working cover, scope of delivery 5 items, KERN ALJ-A01S05
- Protective dust cover, KERN ABS-A08
- 1 Evaporation trap, minimises faults through evaporation when using pipettes for small volumes of 10 µl to 10 ml, KERN ALJ-A02
- 2 Draught shield rear panel with integrated ioniser to neutralise electrostatic charge. Particularly convenient handling as you no longer need a separate device. Simply enable the ionizer fan at the push of a button. Is fitted in place of the existing glass rear panel of the draught shield. Please order at the time you order your balance, the scope of delivery is the rear panel, ionizer, Universal plug-in power supply. Factory Option, KERN ALJ-A03
- 3 Set for density determination of liquids and solids with density ≤/≥ 1, the density is indicated directly on the display, KERN YDB-03
- Weighing table to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03
- Equipment qualification: compliant qualification concept with Installation and Operating Qualification (IQ, OQ), for details see page 222
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL INT (ALJ) · CAL EXT (ALS) · RS 232 · GLP INTERN · PCS · RECIPE · PERCENT · UNIT · TOL · MOVE · MULTI · FORCE · 1 DAY

OPTION

DAkkS +3 DAYS

Model	Weighing capacity	Readability	Reproducibility	Linearity	Net weight	Options
						DAkkS Calibr. Certificate
KERN	[Max] g	[d] mg	mg	mg	kg	DAkkS KERN
ALS 160-4A	160	0,1	0,1	± 0,3	7	963-101
ALS 250-4A	250	0,1	0,1	± 0,3	7	963-101
ALJ 210-5A	210	0,01	0,05	± 0,1	6	963-101
ALJ 160-4A	160	0,1	0,1	± 0,3	7	963-101
ALJ 250-4A	250	0,1	0,1	± 0,3	7	963-101
ALJ 310-4A	310	0,1	0,1	± 0,3	7	963-101
ALJ 500-4A	510	0,1	0,2	± 0,4	7	963-101
	Multi-range balance, with increasing load it switches automatically to the next largest weighing range [Max] and readout [d] and when the load is fully removed, the balance switches back to the lower range					
ALJ 200-5DA	82 | 220	0,01 | 0,1	0,04 | 0,1	± 0,1 | 0,2	7	963-101

The bestseller in analytical balances, with high-quality single-cell weighing system, verification optional

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. 3 s under laboratory conditions
- Shock proof construction
- High corner load performance

USB data interfaces and RS-232 for transferring weighing data to the PC, tablet, printer or USB


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Features

- KERN ACJ: Automatic internal adjustment in the case of a change in temperature ≥ 2 °C or time-controlled every 4 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- KERN ACS: Adjusting program CAL for quick setting of the balance accuracy, external test weights at an additional price, see *Test Weights*
- Dosage aid: High stability mode and other filter settings can be selected
- Simple recipe weighing and documenting with a combined tare/print function. In addition, the ingredients for the recipe are numbered automatically and printed out with their corresponding number and nominal weight
- Automatic data output to the PC/printer each time the balance is steady
- Identification number: 4 digits, printed on calibration protocol freely programmable
- Protective working cover included with delivery

Technical data

- Large LCD display, digit height 14 mm
- Dimensions weighing surface, stainless steel, ø 91 mm
- weighing space W×D×H 174×162×227 mm
- Overall dimensions W×D×H 213×333×338 mm
- Net weight approx. 7 kg
- Permissible ambient temperature 10 °C/30 °C

Accessories

- Protective working cover, scope of delivery 5 items, KERN ACS-A02S05
- 1 Set for density determination of liquids and solids with density ≤/≥ 1, the density is indicated directly on the display, KERN YDB-03
- 2 Ioniser to neutralise electrostatic charge, KERN YBI-01A
- 3 Weighing table to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03
- Minimum weight of sample, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103
- Equipment qualification: compliant qualification concept with Installation and Operating Qualification (IQ, OQ), for details see page 222
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL INT (ACJ) · CAL EXT (ACS) · RS 232 · USB · GLP PRINTER · PCS · RECIPE · PERCENT · UNIT · TOL · MULTI · SC TECH · 1 DAY

OPTION: DAkkS +3 DAYS

FACTORY: M +3 DAYS (ACJ)

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Repro-ducibility	Linearity	Options: Verification	Options: DAkkS Calibr. Certificate
KERN	g	mg	mg	mg	mg	mg	MT KERN	DAkkS KERN
ACS 80-4	82	0,1	-	-	0,2	± 0,3	-	963-101
ACS 100-4	120	0,1	-	-	0,2	± 0,3	-	963-101
ACS 200-4	220	0,1	-	-	0,2	± 0,3	-	963-101
ACS 300-4	320	0,1	-	-	0,2	± 0,3	-	963-101
Note: For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order. The initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification.								
ACJ 80-4M	82	0,1	1	10	0,2	± 0,3	965-201	963-101
ACJ 100-4M	120	0,1	1	10	0,2	± 0,3	965-201	963-101
ACJ 200-4M	220	0,1	1	10	0,2	± 0,3	965-201	963-101
ACJ 300-4M	320	0,1	1	10	0,2	± 0,3	965-201	963-101


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4 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. 4 s (models with [d] = 0,1 mg), approx. 10 s (models with [d] = 0,01 mg) under laboratory conditions
- Shock proof construction
- High corner load performance

The premium model with single-cell weighing system

Features

- Automatic internal adjustment in the case of a change in temperature ≥ 0,5 °C or timecontrolled every 4 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- Dosage aid: High stability mode and other filter settings can be selected
- Simple recipe weighing and documenting with a combined tare/print function. The ingredients for the recipe are automatically numbered and printed with weight value
- Identification number: 4 digits, printed on calibration protocol freely programmable
- Printout of a GLP-compliant calibration report conveniently at the touch of a button
- 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.
- Protective working cover included with delivery

Technical data

- Large LCD display, digit height 14 mm
- Dimensions weighing surface, stainless steel, ⌀ 80 mm
- weighing space W×D×H 168×172×223 mm
- Overall dimensions W×D×H 217×356×338 mm
- Net weight approx. 8 kg
- Permissible ambient temperature 10 °C/30 °C

Accessories

- Protective working cover, scope of delivery 5 items, KERN ABT-A02S05
- 1 Set for density determination of liquids and solids with density ≤/≥ 1, the density is indicated directly on the display, KERN YDB-03
- 2 Ioniser to neutralise electrostatic charge, KERN YBI-01A
- 3 Weighing table to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03
- Minimum weight of sample, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103
- Equipment qualification: compliant qualification concept with Installation and Operating Qualification (IQ, OQ), for details see page 222
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

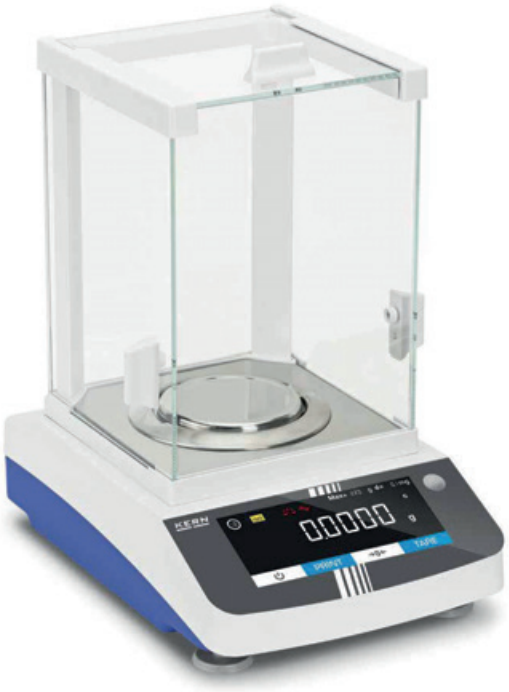
OPTION

FACTORY

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Repro-ducibility	Linearity	Options: Verification	Options: DAkkS Calibr. Certificate
KERN	g	mg	mg	mg	mg	mg	KERN	KERN
ABT 100-5NM	101	0,01	1	1	0,05	± 0,15	965-201**	963-101
ABT 120-4NM*	120	0,1	1	10	0,1	± 0,2	965-201**	963-101
ABT 220-4NM*	220	0,1	1	10	0,1	± 0,2	965-201**	963-101
ABT 320-4NM*	320	0,1	1	10	0,15	± 0,3	965-201**	963-101
Multi-range balance, with increasing load it switches automatically to the next largest weighing range [Max] and readout [d] and when the load is fully removed, the balance switches back to the lower range								
ABT 120-5DNM	42 | 120	0,01 | 0,1	1 | 1	1	0,02 | 0,1	± 0,03 | 0,2	965-201**	963-101
ABT 220-5DNM	82 | 220	0,01 | 0,1	1 | 1	1	0,05 | 0,1	± 0,1 | 0,2	965-201**	963-101

Note: For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order. The initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification.

! *ONLY WHILE STOCKS LAST **Conformity assessment only possible until 18/06/2025



NEW

Analytical balance with flexible functionality and touch display

Features

- The wide range of functions of this range of analytical balances means that they qualify for use in the pharmaceutical industry as well as other fields. These include, for example, the statistical function, weighing with tolerance range, counting function, percentage weighing, totalizing function and many more
- 1 Modern touch display with convenient operation enables you to, for example, switch the units or start adjustment straight from the display
- Draught shield standard
- Specialised functions, such as the statistical function make it easier to use efficiently in industry and the laboratory
- GLP/ISO record keeping with date, time and identification number of balance adjustment or weighing process
- Assists in data integrity in accordance with U.S. FDA 21 Part 11 (for example weighing result, sample ID, user name, scales ID, ...)
- Data query and remote control of the balance using a computer or CRM/ERP systems using the KERN Communication Protocol
- RS 232 data interface and USB (Device) for the transfer of weighing data
- Menu language EN

Technical data

- Backlit LCD display, digit height 20 mm
- Dimensions weighing surface, stainless steel, ø 90 mm
- Overall dimensions W×D×H 207×318×360 mm
- Net weight approx. 6 kg
- Permissible ambient temperature 15 °C/25 °C

Accessories

- Protective dust cover, KERN ABS-A08
- Weighing table to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03
- Antivibration plate
  400×450×60 mm, KERN YPS-04
  565×450×60 mm, KERN YPS-05
- Ioniser to neutralise electrostatic charge, KERN ABP-A01
- Equipment qualification: compliant qualification concept with Installation and Operating Qualification (IQ, OQ), for details see page 222
- Further details, plenty of further accessories and suitable printers see *Accessories*

The main scope of applications is:
- Laboratories
- Pharmaceutical industry
- Chemical industry
- Food industry
- Plastics industry
- Quality laboratories

STANDARD

CAL INT (ADT) · CAL EXT (ADS) · RS 232 · USB · KCP PROTOCOL · GLP INTERN · PCS · RECIPE · % PERCENT · UNIT · TOL · MOVE · UNDER · MULTI · FORCE · 1 DAY

OPTION

ET · DAkkS +3 DAYS

Model	Weighing capacity	Readability	Reproducibility	Linearity	Options
					DAkkS Calibr. Certificate
KERN	[Max] g	[d] mg	mg	mg	DAkkS KERN
Models with external adjustment					
ADS 100-4	120	0,1	0,3	± 0,3	963-101
ADS 200-4	220	0,1	0,3	± 0,3	963-101
ADS 300-4	320	0,1	0,4	± 0,4	963-101
Models with internal adjustment					
ADT 100-4	120	0,1	0,3	± 0,3	963-101
ADT 200-4	220	0,1	0,3	± 0,3	963-101
ADT 300-4	320	0,1	0,4	± 0,4	963-101

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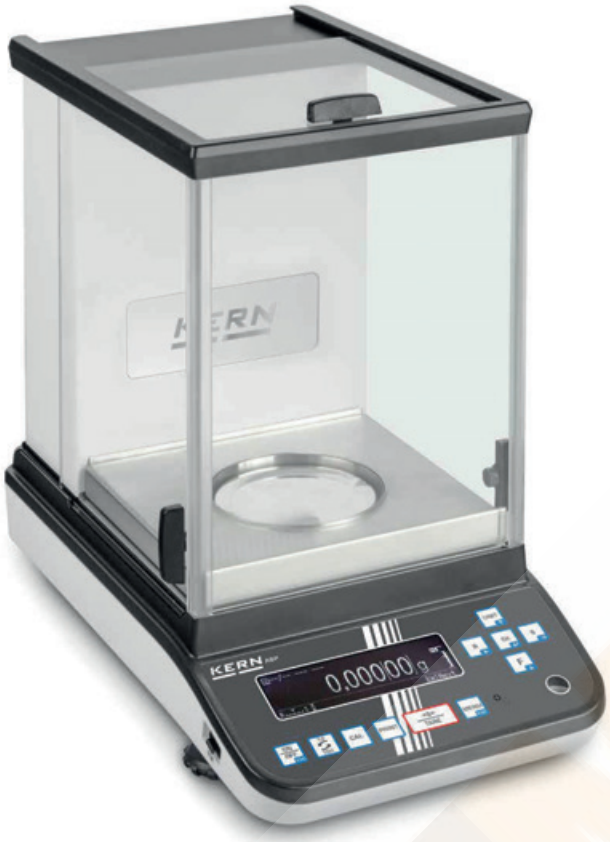


Premium analytical balance with the latest Single-Cell Generation for extremely rapid, stable weighing results

1 The internal draught shield minimises the effect of currents of air in the weighing chamber and therefore significantly improves the stabilisation time and repeatability, see *Accessories*

2 Extremely fast ionization process, thanks to the latest generation of KERN ionization technology to neutralise electrostatic charge, see *Accessories*

GLP/ISO record keeping: professional, detailed GLP Protocol, so that the balance is completely compliant with the relevant standard requirements in accordance with ISO, GLP and GMP

Features

- Large glass draught shield with 3 sliding doors for easy access to the items being weighed
- Navigation pad for 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 device or automatically calculated. For weighings below this value, the balance issues a warning message
- Dosage aid: High stability mode and other filter settings can be selected
- Simple recipe weighing and documenting with a combined tare/print function. In addition, the ingredients for the recipe are numbered automatically and printed out with their corresponding number and nominal weight
- Individual settings can be stored for up to 10 users: User name/number, password, menu language, user profile. Settings can be recalled using the barcode. Guest mode for users who are not logged in, specific permissions (e.g. for adjustment, recipe changes) only for authorised users
- RS-232 data interfaces and USB (device) for transferring weighing data and USB (host) to connect a USB keyboard
- U.S. FDA 21 Part 11: assists in data integrity in accordance with U.S. FDA 21 Part 11 (for example weighing result, sample ID, user name, scales ID, ...)
- Menu languages DE, EN
- Automatic data output to the PC/printer each time the balance is steady
- Standard for models with [d] 0,01 mg: Multi-function weighing plate included with delivery, minimises the effect of currents of air in the weighing chamber and therefore significantly improves the stabilisation time and repeatability. In addition samples, sample paper, PCR containers, micro centrifuge tubes and many other items which protrude can be easily fixed in place and weighed easily
- ABP 200-5M: Erlenmeyer flask holder included with delivery
- Protective working cover included with delivery

Technical data

- Luminescent OLED display, digit height 12 mm bright with high contrast, for easy reading of the weight, even in poor lighting conditions
- Dimensions weighing surface, stainless steel, ø 91 mm
- Overall dimensions W×D×H 220×370×350 mm
- Net weight approx. 8 kg
- Permissible ambient temperature 10 °C/30 °C

Accessories

- Protective working cover, scope of delivery 5 items, KERN YBA-A06S05
- Set for density determination of liquids and solids with density ≤/≥ 1, the density is indicated directly on the display, KERN YDB-03
- 1 Internal draught shield made of glass, KERN ABP-A02
- 2 Ioniser to neutralise electrostatic charge. Suitable for all models in the ABP range. Please order together with the balance you want so that it can be fitted into the rear panel of the balance, KERN ABP-A01
- USB barcode scanner, hand-held version, dimensions W×D×H 152×84×63 mm, KERN PET-A09
- Minimum weight of sample, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103
- Equipment qualification: compliant qualification concept with Installation and Operating Qualification (IQ, OQ), for details see page 222
- Further details, plenty of further accessories and suitable printers see *Accessories*

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. 2 s (models with [d] = 0,1 mg), approx. 8 s (models with [d] = 0,01 mg) under laboratory conditions
- Shock proof construction
- High corner load performance

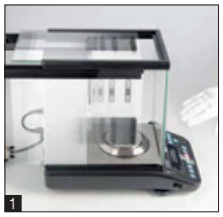
STANDARD: CAL INT · RS 232 · USB (1x Host / 1x Device) · GLP INTERN · PCS · RECIPE · PERCENT · UNIT · TOL · MOVE · UNDER · MULTI · SC TECH · 1 DAY

OPTION: DAkkS +3 DAYS

FACTORY: M +3 DAYS

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Repro-ducibility	Linearity	Options: Verification	Options: DAkkS Calibr. Certificate
KERN	g	mg	mg	mg	mg	mg	MT KERN	DAkkS KERN
ABP 100-5M	135	0,01	1	1	0,05	± 0,1	965-201	963-101
ABP 200-5M	220	0,01	1	1	0,015	± 0,1	965-201	963-101
ABP 100-4M	120	0,1	1	10	0,1	± 0,2	965-201	963-101
ABP 200-4M	220	0,1	1	10	0,1	± 0,2	965-201	963-101
ABP 300-4M	320	0,1	1	10	0,15	± 0,3	965-201	963-101
Multi-division balance, with increasing or decreasing load, it switches automatically to the next largest or smallest weighing range [Max] and readout [d].								
ABP 100-5DM	52 | 120	0,01 | 0,1	1 | 1	1	0,02 | 0,1	± 0,05 | 0,2	965-201	963-101
ABP 200-5DM	102 | 220	0,01 | 0,1	1 | 1	1	0,05 | 0,1	± 0,1 | 0,2	965-201	963-101

Note: For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order. The initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification.



Version with automatic sliding doors and other innovative features

Features

- 1 Large glass draught shield: with 3 automatic sliding doors, which can be opened and closed using sensors, and integrated ioniser as standard. Thanks to the Memory Function, the balance stores how far the sliding doors have been opened. This prevents contamination and accelerates processes. Touching the sliding doors “gently” activates the push function and the doors open and shut automatically. Opening possible alternatively via button
- 2 Ioniser (included) can be activated at the touch of a button
- The adjustable internal draft shield minimises the effect of currents of air in the weighing space and guarantees maximum stability of the weight readings, only for 0.01 mg models of the series ABP-A
- 3 Erlenmeyer piston holder, included as standard with ABP 200-5M and ABP 200-5AM
- 4 Standard for models with [d] 0,01 mg: Multi-function weighing plate

Technical data

- Luminescent OLED display, digit height 12 mm bright with high contrast, for easy reading of the weight, even in poor lighting conditions
- Dimensions weighing surface ø 91 mm, stainless steel
- weighing space W×D×H 166×156×220 mm
- Overall dimensions W×D×H 220×370×350 mm
- Net weight approx. 8 kg
- Permissible ambient temperature 10 °C/30 °C

Accessories

- Protective working cover, scope of delivery 5 items, KERN YBA-A06S05
- Set for density determination of liquids and solids with density ≤/≥ 1, the density is indicated directly on the display, KERN YDB-03
- USB barcode scanner, hand-held version, dimensions W×D×H 152×84×63 mm, KERN PET-A09
- Minimum weight of sample, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103
- Equipment qualification: compliant qualification concept with Installation and Operating Qualification (IQ, OQ), for details see page 222

STANDARD

CAL INT | RS 232 | USB (1x Host / 1x Device) | GLP INTERN | PCS | RECIPE | PERCENT | UNIT | TOL | MOVE | UNDER | MULTI | SC TECH | 1 DAY

OPTION: DAkkS +3 DAYS

FACTORY: M +3 DAYS

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Reproducibility	Linearity	Options: Verification	Options: DAkkS Calibr. Certificate
KERN	g	mg	mg	mg	mg	mg	KERN	KERN
ABP 100-5AM	135	0,01	1	1	0,05	± 0,1	965-201	963-101
ABP 200-5AM	220	0,01	1	1	0,015	± 0,1	965-201	963-101
ABP 200-4AM	220	0,1	1	10	0,1	± 0,2	965-201	963-101
ABP 300-4AM	320	0,1	1	10	0,15	± 0,3	965-201	963-101
Multi-division balance, with increasing or decreasing load, it switches automatically to the next largest or smallest weighing range [Max] and readout [d].								
ABP 100-5DAM	52 | 120	0,01 | 0,1	1 | 1	1	0,02 | 0,1	± 0,05 | 0,2	965-201	963-101
ABP 200-5DAM	102 | 220	0,01 | 0,1	1 | 1	1	0,05 | 0,1	± 0,1 | 0,2	965-201	963-101

Note: For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order. The initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification.