

KERN ABS-ABJ *First-class standard for small budgets, with EC-Type Approval (M)*

Analytical balances

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FACTORY OPTION



ABJ only



- STANDARD
- ABJ only
- ABS only
-
-
- only with printer
-
- ABS only
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Price reduction
 New models



Carat switch-over
 from g to ct is possible.

Model	d	Max
KERN	ct	ct
ABJ 80-4M	0,001	415
ABJ 120-4M	0,001	600
ABJ 220-4M	0,001	1100
ABJ 320-4	0,001	1600

The carat display is also verifiable.

Metal housing
 robust and sturdy

Identification number
 4 numeric positions, 2 key programming method

Large LCD Display
 digit height 14 mm

Capacity display
 an ascending bar graph displays the remaining available weighing range

1 Standard printer
 KERN YKB-01N, € 270,-

Statistics printer
 KERN YKT-01, € 690,-
 For all printers see page 94

Technical Data:
Overall dimensions WxDxH 225x315x330 mm
Weighing space WxDxH 190x155x225 mm
Net weight approx. 7 kg
Permitted environmental temperature +10 ... +30 °C
UNITS Further weighing units: see the internet

Model	Weighing range	Read-out	Verific. value	Min. load	Repro-ducibility	Linearity	Price €	Verifi-cation	OPTION M	OPTION I	Certifi-cate	DKD
KERN	Max	d	e	Min	mg	mg	excl. VAT, ex. works	KERN	€	€	KERN	€
	g	mg	mg	mg								
ABS 80-4	83	0,1	-	-	0,1	± 0,2	730,-	-	-	-	963-101	125,-
ABS 120-4	120	0,1	-	-	0,1	± 0,2	780,-	-	-	-	963-101	125,-
ABS 220-4	220	0,1	-	-	0,1	± 0,2	860,-	-	-	-	963-101	125,-
For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.												
ABJ 80-4M	83	0,1	1	10	0,1	± 0,2	830,-	950-101	100,-	100,-	963-101	125,-
ABJ 120-4M	120	0,1	1	10	0,1	± 0,2	880,-	950-101	100,-	100,-	963-101	125,-
ABJ 220-4M	220	0,1	1	10	0,1	± 0,2	960,-	950-101	100,-	100,-	963-101	125,-
ABJ 320-4	320	0,1	1	10	0,1	± 0,2	1190,-	-	-	-	963-101	125,-

KERN AES-AEJ *Compact high-end analytical balance*

 **Delivery**
1 day

3
Years warranty

 **Tuning fork principle**

FACTORY OPTION

 **Verification +7 days**

OPTION DKD Certificate +3 days



NEW

STANDARD



Compact housing with anti-static plastic draught shield with 3 sliding doors for easy access to the goods to be weighed

Short stabilisation time
Steady weight values within approx. 4 sec under laboratory conditions

Backlit LCD display with digit height 17 mm



Standard printer
KERN YKB-01N, € 270,-
For all printers see page 94

Technical Data:

Overall dimensions
WxDxH 213x290x314 mm


Weighing space WxDxH
178x170x209 mm

Net weight approx 7 kg


Permitted environmental temperature +15 ... +30 °C

UNITS Further weighing units: see the internet

Ergonomically optimised keypad for left and right-handed users



 **Automatic internal adjustment** in the case of a change in temperature $\geq 5^\circ\text{C}$ or time-controlled every 4 hours

Capacity display an ascending bar graph displays the remaining available weighing range

 **GLP/ISO record keeping** of weight values with date, time and serial number



Set for density determination of solids with density ≥ 1 and liquids. The density is indicated directly in the display, for details see page 33,
KERN AES-A01, € 390,-

Modell KERN	Weighing range	Read-out	Verific. value	Min. load	Repro-ducibility	Linea-rity	Price € excl. VAT, ex. works	Verifi-cation KERN	OPTIONS alternative	DKD	
	Max g	d g	e g	Min g	g	mg			M I €	Certi-ficate KERN €	DKD €
AES 120-4	120	0,1	-	-	0,1	$\pm 0,3$	1060,-	-	-	963-101	125,-
AES 220-4	220	0,1	-	-	0,1	$\pm 0,3$	1110,-	-	-	963-101	125,-
 For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.											
AEJ 120-4M	120	0,1	1	10	0,1	$\pm 0,3$	1130,-	950-101	100,-	963-101	125,-
AEJ 220-4M	220	0,1	1	10	0,1	$\pm 0,3$	1180,-	950-101	100,-	963-101	125,-

Order-Hotline: +49-74 33-99 33-0. Delivery through authorized KERN retailer only.

KERN ABT *The premium model with single-cell weighing system*

Analytical balances

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FACTORY OPTION



Set for density determination of liquids and solids, density is indicated directly on the display, **KERN ABT-A01, € 510,-**



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



Automatic internal adjustment CAL
Time-controlled $\geq 5^\circ \text{C}$ or variations in temperature all 4 hours



Automatic data output to the PC/printer every time the balance is stable

Large LCD Display digit height 14 mm and capacity display

Pipette calibration
Good package price for the control of measuring equipment in accordance with ISO 9000 and GLP. See page 37

Identification number of balance is printed on calibration protocol

Single-cell advanced technology

Fully automatic manufactured weighing cell (s. page 31) from one piece of material.
 ✓ Stable temperature behaviour
 ✓ Short stabilisation time: 3 sec (Stabilisation time under laboratory conditions) for models with read-out of 0.1 mg
 ✓ Shock proof construction
 ✓ High corner load performance

Dosing assistance
High-stability mode and other filter settings can be selected

STANDARD



Simple totalising of individual weighing

Standard printer
KERN YKB-01N, € 270,-

Statistics printer
KERN YKT-01, € 690,-
For all printers see page 94

Technical Data:

Overall dimensions
WxDxH 217x356x338 mm

Weighing space WxDxH
168x172x223 mm

Net weight approx. 7 kg

Permitted environmental temperature +10...+30 °C

! For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

Model	Weighing range Max g	Read-out d mg	Verific. value e mg	Min. load Min mg	Repro-ducibility mg	Linea-rity mg	Price € excl. VAT, ex. works	Verifi-cation KERN	OPTIONS alternative		
									M	I	DKD
KERN								Verifi-cation KERN	€	Certi-ficate KERN	€
ABT 120-4M	120	0,1	1	10	0,1	± 0,2	1390,-	950-101	100,-	963-101	125,-
ABT 220-4M	220	0,1	1	10	0,1	± 0,2	1510,-	950-101	100,-	963-101	125,-
ABT 320-4M	320	0,1	1	10	0,1	± 0,2	1690,-	950-101	100,-	963-101	125,-
ABT 120-5DM	42 120	0,01 0,1	1	1	0,02 0,1	± 0,03 ± 0,2	1750,-	950-101	100,-	963-101	125,-
ABT 220-5DM	82 220	0,01 0,1	1	1	0,05 0,1	± 0,1 ± 0,2	1950,-	950-101	100,-	963-101	125,-