

TRADITION AND INNOVATION – 168 YEARS OF KERN

Independent and family-run, KERN is already in its 6th generation and is synonymous with quality and reliability in customer service.

FAST

- 24 hours delivery service – order today, on its way tomorrow
- Sales & service hotline from 8:00 am to 6:00 pm

COMPETENT

- DKD accreditation (DIN EN ISO/IEC 17025)
- QM system (DIN EN ISO 9001:2000)
- Initial verification by the manufacturer (2009/23/ECC)
- Medical (DIN EN ISO 13485 & 93/42/EWG)

RELIABLE

- 3 years warranty for balances over € 400,-
- Precision in weighing technology for the last 168 years

DIVERSE

- One-stop shopping: from pocket balances through to floor scales – everything from one supplier
- Quick as a flash, find the product you want with the „Balance Quick-Finder“ at www.kern-sohn.com

KERN & SOHN GmbH

Balances, Test weights, DKD Calibration laboratory

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KERN – Professional measuring.

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KERN

GB

BALANCES & TEST SERVICE – for laboratory, industry and food

2012

GB



2012

KERN
WAAGEN · GEWICHTE · BALANCES · WEIGHTS

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	Internal adjusting (CAL): Quick setting of the balance's accuracy with internal adjusting weight (motordriven).
	Adjusting program (CAL): For quick setting of the balance's accuracy. External adjusting weight required.
	Piece counting: Reference quantities selectable. Display can be switched from piece to weight.
	Data interface: The type of interface is shown by the pictogram. See the glossary for further details.
	GLP/ISO record keeping of weighing data with date, time and identification-no. Only with printers from KERN.
	Net-total weighing: weight of tare cup and weight of components memorized in two separate stores.
	Percentage determination: Determining the deviation in % from the target value (100%).
	Weighing units: Can be switched to e.g. non-metric units at the touch of a key. See balance model. Please refer to KERN's website for more details.
	Weighing with tolerance range: Upper and lower limiting can be programmed individually, e.g. dosing/sorting.
	Spray and dust protection IPxx The type of protection is shown by the pictogram. For details see the glossary.
	Dynamic weighing: Strong vibrations are filtered out to determine a stable weighing result.
	Stainless steel: the balance is protected against corrosion.
	Suspended weighing: load support with hook on the underside of the balance.
	Battery operation: The battery type is specified for each device.
	Rechargeable battery pack: rechargeable set.
	Mains adapter: 230V/50Hz in standard version for Germany. On request GB, AUS or USA version.
	Power supply: integrated in balance. 230V/50Hz in Germany. On request GB, AUS or USA version.
	Tare: put back displayed value to "0" during weighing process, e.g. to add or remove weighing material from a container.
	Package shipment via courier.
	Pallet shipment via freight forwarder.
	Warranty: The warranty period is shown in the pictogram.
	Verification possible. The time required for verification is specified in the pictogram.
	DKD calibration possible. The time required for DKD calibration is specified in the pictogram.
[DMS]	For details on weighing technologies, see the glossary.

KERN - measuring technology and testing services from a single source



KERN main balances catalogue

Provides a complete overview of the KERN line of balances, test weights, and services.



KERN medical products catalogue

Complete line of medical scales, from infant scales to professional patient scales, seated scales and adiposity scales, as well as innovative hand grip dynamometers, chemist's scales, and veterinary scales.



KERN DKD calibration service brochure

Detailed information on topics pertaining to the calibration of balances, test weights, and force measuring devices.



SAUTER measuring equipment catalogue

Test instruments for industry and commerce, such as force, coating thickness, material thickness, and hardness measuring systems.



KERN branch prospectuses

Compact overview of the bestsellers for many different lines of business – just the balances your customers need!

Tradition and innovation for more than 168 years

Independent and family-run, KERN is already in its 6th generation and is synonymous with quality and reliability in customer service.



► 1844 KERN is founded – precision balances are produced ► 1863 A proud Gottlieb Kern with his staff ► 1880 Pharmaceutical balance with Aesculap ► 1923 Inflation – KERN wages are paid with self printed currency ► 1980 The electronic balance ousts mechanical devices ► 1994 Accredited for weights DKD laboratory (ISO 17025) ► 2000 New premises in Balingen ► 2002 Existing QM system certification in accordance to DIN EN ISO 9001:2000 standards ► 2007 Approval for the Manufacture of Medical Products (DIN EN13485 and 93/42/EEC) ► 2008 Approval for manufacturer's initial calibration (2009/23/ECC) ► 2009 Approval for the manufacture and sale of height rods (DIN EN 13485 and 93/42/EEC)

KERN – Professional measuring.

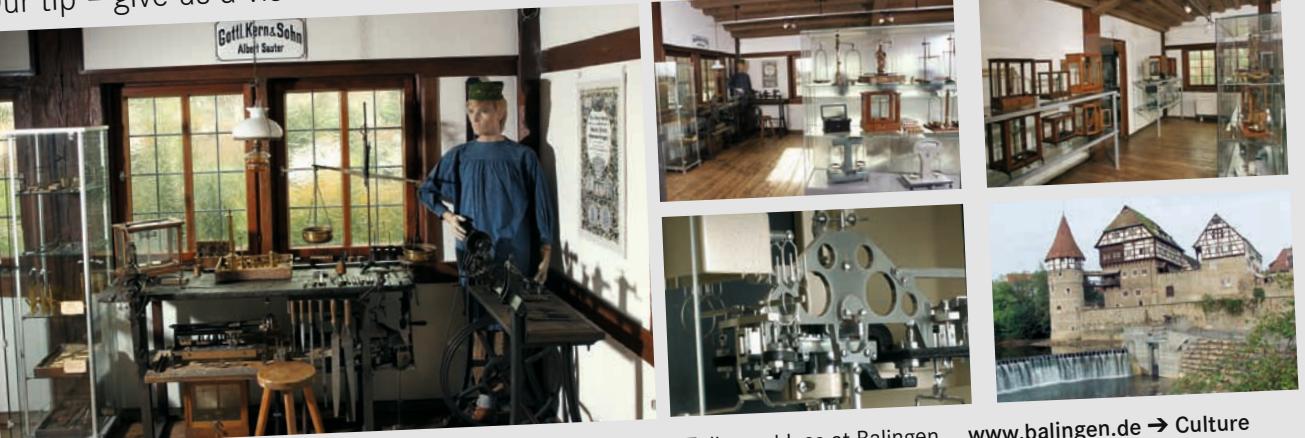


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Our Tip:

Our tip – give us a visit sometime in the Museum of scale and weight...



How a scale learns to weigh! Come and experience Kern history in the Zollernschloss at Balingen ... www.balingen.de → Culture



Ordering:

Order hotline

+49-(0)7433-9933-0



Service hotline

+49-(0)7433-9933-199

DKD hotline

+49-(0)7433-9933-173

Online-Shop

www.kern-sohn.com



E-mail order

info@kern-sohn.com



Fax Order

+49-(0)7433-9933-149



Consulting:

Our team of consultants

will assist you



from Monday to Friday
from 8:00 am to 6:00 pm

www.kern-sohn.com

For product specification sheets,
user manuals, useful information,
technical glossary, search engine for test
weights and balances



Your advantages:

Quick Delivery

Items in stock are sent the same day if orders are placed before 1:00 pm (valid for parcel service delivery within the EC).



Price performance ratio

KERN scales are always an inexpensive alternative. They are durable, uncomplicated and easy to place into operation.



Direct dispatch

of ordered goods to your customer is available, invoice will be issued to you (third party business).



3 years warranty

Items under € 400,-: 2 years



You have no storage costs –

we maintain the storage.



Sale or return

within 14 days of purchase



Online-Shop: www.kern-sohn.com

ONLINE-SHOP

At your disposal round the clock. Here you can order all KERN products quickly and easily. Delivery and service through your specialist dealer.

BALANCE-QUICK-FINDER

Quick as a flash, find the product you want with the „Balance Quick-Finder“

CALIBRATION

In our accredited DKD (= German Calibration Service) calibration laboratory, we issue internationally valid DKD calibration certificates for balances and test weights.

PRODUCTS

Balances, test weights, software and accessories, everything at a glance.



ONE-STOP-SHOPPING

From pocket balances through to floor scales - everything from one supplier.

TECHNICAL SUBJECTS

- „Need to know“ made easy in the dictionary:
- Balances in quality assurance systems
 - Test weights within the framework of the control of measuring equipment
 - DKD calibration certificates in connection with ISO 9000/QS 9000

DOWNLOADS

For each model there is an individual brochure, user manual or pictures.

SPECIAL OFFERS

Special offers, special models and opportunities – something for everybody and always up to date – just drop in!

NEWS 2012 NEWS

Precision balance EMB-V

Special balance for simple density determination



**only
€ 250,-**

COMING SOON...

Precision balance PCD

High resolution precision balance with removable display for maximum flexibility



**from
€ 270,-**

COMING SOON...

Precision balance PKS

Convenient model with easy operation thanks to the graphics display



**from
€ 370,-**

→ Further details see page 21

Precision balance PKP

Robust laboratory and industrial scales with graphics display



**from
€ 510,-**

→ Further details see page 23

Precision balance PKT

Touchscreen laboratory balance with extensive range of functions



**from
€ 660,-**

→ Further details see page 26

Precision balance PLT

High-quality precision balance with convenient graphics display



**from
€ 750,-**

→ Further details see page 36

Analytical balance ACS/ACJ

Entry level analytical balance with high-quality single cell weighing system



**from
€ 780,-**

→ Further details see page 38

Moisture analyser DBS

Modern moisture analyser with 10 memories and graphic display



**only
€ 990,-**

→ Further details see page 45

Moisture analyser DLB

Robust moisture analyser for samples up to 160 g



**only
€ 1020,-**

→ Further details see page 46

Stainless steel platform balance SFE

Platform balance with dust and spray protection IP65 and suitable for verification [M]



**from
€ 310,-**

→ Further details see page 69

Price computing scale RFB

Compact entry level retail scales, protected to IP65 and EC-Type Approval [M]



**only
€ 250,-**

→ Further details see page 73

Price computing scale RFS

High-quality retail scale with integrated receipt printer and EC-Type Approval [M]



**only
€ 580,-**

→ Further details see page 75

Stainless steel floor scale BFN

Stainless steel floor scale with IP68 platform



**only
€ 2690,-**

COMING SOON...

Weighing beams UFA

Weighing beams can be used for large loads in many applications



**only
€ 850,-**

→ Further details see page 102

Drive-through scale NFB

Robust, industrial drive-through scale with two integrated access ramps, with EC-Type Approval [M]



**from
€ 1290,-**

→ Further details see page 104

Mobile pallet weigher VFS

Pallet truck scale with large display, integrated printer and rechargeable battery pack



**only
€ 1650,-**

→ Further details see page 112

PRICE REDUCTION

Already seen it??

In 2012, we're reducing prices on many of our models again. Current models at unbelievably low prices!



**from
€ 510,-**

Precision balance PLJ-N

Excellent performance, excellent price!

→ Further details see [page 27](#)



**from
€ 920,-**

Precision balance PBS/PBJ

PBS/PBJ Multifunctional laboratory balance with single-cell weighing system and EC-Type Approval [M]

→ Further details see [page 34](#)



**only
€ 950,-**

Analytical balance ALS-N

Precision and price down to a point!

→ Further details see [page 40](#)



**only
€ 1340,-**

Analytical balance ABT

The premium model with single-cell weighing system

→ Further details see [page 43](#)



**from
€ 159,-**

Bench scale FKB-A

Large bench scale up to 65 kg with large weighing range

→ Further details see [page 59](#)



**only
€ 240,-**

IP protected bench scale FFN-N

Robust, space-saving bench scale, protected by stainless steel and IP67

→ Further details see [page 68](#)



**only
€ 215,-**

Price computing scale RPB

Entry level model for your retail business, with EC-Type Approval [M]

→ Further details see [page 74](#)



**only
€ 580,-**

Price computing scale RFS

High-quality retail scale with integrated receipt printer

→ Further details see [page 75](#)



**from
€ 200,-**

Counting balance CXB

Entry level model in professional counting

→ Further details see [page 78](#)



**from
€ 530,-**

Platform scales DS

Industrial scale with laboratory accuracy and EC-Type Approval [M]

→ Further details see [page 94](#)



**from
€ 690,-**

Platform scales IKT

Touchscreen platform balance with enormous range of functions

→ Further details see [page 96](#)



**from
€ 1010,-**

Floor scale BFS

Robust floor scale with piece-counting function

→ Further details see [page 100](#)



**from
€ 1130,-**

Floor scale BFB

Robust and extremely affordable floor scale with EC-Type Approval [M]

→ Further details see [page 101](#)

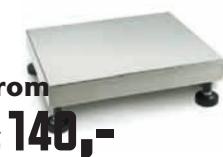


**from
€ 750,-**

Pallet scales UFB/UFN

Robust pallet scale in two versions, suitable with EC-Type Approval [M]

→ Further details see [page 103](#)



**from
€ 140,-**

Platform KFP

Well-priced platform to construct your own weighing system

→ Further details see [page 108](#)



**from
€ 700,-**

U-shaped weighing bridge KFU

Well-priced U-shaped weighing bridge to construct your own weighing system

→ Further details see [page 103](#)



**only
€ 1850,-**

Mobile pallet weigher VHS

Robust pallet truck scale with integrated printer

→ Further details see [page 118](#)



**from
€ 85,-**

Hanging scales HCB/HCN

The handy scales for higher loads

→ Further details see [page 113](#)

Do you have questions about our products? Our customer consultants will be pleased to assist you:

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1 Pocket balances

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Precision in pocket format:

Pocket balances are the ideal helper whenever mobility and high precision are required. Since they have fewer keys, operation is simple and fast. Different weight units stored in the pocket balance, such as g, oz, ct, gn, etc., make them universally usable. An integrated calculator lets you use the weight measured immediately in calculations, e.g. a price, unit count, average values and many more. Compact in size and well protected with a flap or protective cover, which can be used as a convenient taring container, the pocket balance is always a useful tool for mobile weighing.

- In production, for inspection of production weights; during picking of small parts
- In quality control for quick testing of small parts like plastic parts from injection moulding machines, milled parts, screws, etc.
- In quality control for quick testing of small parts like plastic parts from injection moulding machines, milled parts, screws, etc.

- For mobile weighing, in on-site sampling, for fast analysis anywhere there's no power outlet.
- For hobbies and sports, for example for the loading of black powder, to weigh parts from construction sets, etc.
- In commerce, for the fast determination of the weights of coins, jewellery, precious stones, etc.
- In veterinary medicine for the weighing of small animals, the mixing of feed, etc.
- In the food area for the preparation of spice or tea mixes, for the weighing of food for dieting.

Of course, all KERN pocket balances can also be calibrated and delivered with a DKD calibration certificate (optional). This ensures the high level of accuracy of your balance.

Quick-Finder Pocket balances

◆ = Carat balances ■ = Standard □ = Option

Read-out d	Weighing range Max	Model KERN	Price € excl. VAT ex works	Page	DAYS ready for shipping	M	For an explanation of the symbols, see the flap of the envelope							
							CAL INT	CAL EXT	PCS	RS 232	INOX	IP	ACCU	BATT
0,001 g	20 g	TAB 20-3 ◆	80,-	9	1			■						■
0,01 ct	50 ct	CM 50-C2N ◆	70,-	9	1			■						■
0,01 g	60 g	CM 60-2N	69,-	9	1			■						■
0,1 g	150 g	TEE 150-1	35,-	9	1			■						■
0,1 g	150 g	CM 150-1N	45,-	9	1			■						■
0,1 g	200 g	TCB 200-1	47,-	9	1			■						■
0,1 g	200 g	TEB 200-1	40,-	9	1			■						■
0,1 g	320 g	CM 320-1N	48,-	9	1			■						■
1 g	1000 g	CM 1K-1N	45,-	9	1			■						■

Pocket balances KERN TEE · TCB · TEB · CM · CM-C · TAB



KERN TEE

STANDARD			
CAL EXT	BATT	0.00	UNIT

STANDARD	OPTION
1 DAY	2 YEARS DKD +3 DAYS

Designer pocket balance at a bargain price



KERN TCB

STANDARD			
CAL EXT	BATT	0.00	UNIT

STANDARD	OPTION
1 DAY	2 YEARS DKD +3 DAYS

This is where the fun starts with pocket format weighing



KERN TEB · CM · CM-C

STANDARD			
CAL EXT	BATT	0.00	UNIT

STANDARD	OPTION
1 DAY	2 YEARS DKD +3 DAYS

Small, practical and protected in a hard case cover



KERN TAB

STANDARD			
CAL EXT	BATT	0.00	UNIT

STANDARD	OPTION
1 DAY	2 YEARS DKD +3 DAYS

High-precision pocket carat balance for jewellers and travelling salesmen

- Simple and convenient 2-key operation
 - Cover made of shock proof plastic as protection against pressure and dust. Can also be used as a tare cup
 - Note: Can be printed with your logo, from 100 pcs.
- Please ask for details

- Simple and convenient 2-key operation
- Small and handy
- Transport box and weighing pan included
- Revolving weighing plate (as overload protection)
- Note: Individual logo printing on request

- TEB:**
- Hard case cover as protection against pressure and dust
- 1 CM:**
Functions as with TEB, in addition however with:
 - Integrated calculator
- 2 CM-C:**
Functions as with TEB, in addition however with:
 - Adjusting weight standard
 - Draft shield against air movements standard
 - Weighing pan standard

- Simple and convenient 4-key operation
- Can be switched over from g to ct, gn at the touch of a key
- Hard case cover as protection against pressure and dust
- Adjusting weight and weighing pan standard



Model	TEE 150-1	TCB 200-1	TEB 200-1	CM				CM 50-C2N	TAB 20-3		
				CM 60-2N	CM 150-1N	CM 320-1N	CM 1K1N				
Weighing ranges [Max] g	150	200	200	60	150	320	1000	10 g 50 ct	20 g 100 ct		
Readout [d] g	0,1	0,1	0,1	0,01	0,1	0,1	1	0,002 g 0,01 ct	0,001 g 0,005 ct		
LCD display	backlit, digit height 9 mm	digit height 9 mm	digit height 11 mm	digit height 12 mm				digit height 9 mm	backlit, digit height 9 mm		
Dimensions of weighing plate WxD	60x64 mm	Ø 80 mm	70x80 mm				50x40 mm	36x42 mm			
Overall dimensions WxDxH	67x100x22 mm	ØxH 80 mm	85x130x25 mm				95x133x33 mm				
Power supply	Batteries included, 2 x 1,5 V AAA	Batteries included, 2 x LR 44 AUTO-OFF function to preserve battery life, can be switched off	Batteries included, 2 x 1,5 V AAA AUTO-OFF function to preserve battery life, can be switched off				Batteries included, 2 x 1,5 V AAA, Operating time approx. 150 h				
Net weight	approx. 0,1 kg	approx. 0,05 kg	approx. 0,17 kg				approx. 0,2 kg				
Permissible ambient temperature	5°C/35°C							10°C/30°C			
Price €, excl. VAT, ex works	35,-	47,-	40,-	69,-	45,-	48,-	45,-	80,-	70,-		
Option DKD Calibr. Certificate	963-127, € 65,-										

2 Precision balances

KERN Model	Page
EMB Entry level laboratory balance with tremendous weighing performance	13
EMS Entry level model in the low cost range with large weighing plate	14
PFB Low-cost model based on a concept of easy use	15
PCB The economical solution for the bargain hunter	16/17
440 The bestseller in basic laboratory balances	18
PLE-N Low-cost precision balance with wide range of functions	19
KB-N Convenient model at a basic price, also with EC-Type Approval [M]	20
PKS Convenient model with easy operation thanks to the graphics display	21
572 All-rounder e.g. as laboratory, counting or checking balance, also with EC-Type Approval [M]	22
PKP Robust laboratory and industrial scales with graphics display	23
EWB Verifiable entry level model in the upper laboratory class with EC-Type Approval [M]	24
EW Verifiable gold & laboratory balance with EC-Type Approval [M]	25
PKT Robust laboratory and industrial scales with graphics display	26
PLJ-N Excellent performance & price, also with EC-Type Approval [M]	27
PLS Excellent performance, excellent price –	
PLJ now also with internal adjustment	28/29
EW-N Top of the range cost-effectiveness, EG-N with EC-Type Approval [M]	30/31
PES Robust laboratory and industrial precision balance, PEJ with EC-Type Approval [M]	32
Accessories laboratory and analytical balances	33
PBS Multifunctional laboratory balance with single-cell PBJ weighing system and EC-Type Approval [M]	34/35
PLT High-quality precision balance with convenient graphics display	36



Quick-Finder

■ = Standard □ = Option

Read-out d	Weighing range Max	Model KERN	Price € excl. VAT ex works	Page	ready for shipping										
For an explanation of the symbols, see the flap of the envelope															
0,001 g	60 g	440-21A	320,-	18	1				■	■	■	■	■	■	■
0,001 g	100 g	EMB 100-3	160,-	13	1				■	■	■	■	■	■	■
0,001 g	100 g	PCB 100-3	230,-	16	1				■	■	■	■	■	■	■
0,001 g	120 g	PFB 120-3	230,-	15	1				■	■	■	■	■	■	■
0,001 g	121 g	KB 120-3N	270,-	20	1				■	■	■	■	■	■	■
0,001 g	150 g	EW 150-3M	600,-	25	1	■			■	■	■	■	■	■	■
0,001 g	200 g	EMB 200-3	180,-	13	1				■	■	■	■	■	■	■
0,001 g	200 g	PFB 200-3	245,-	15	1				■	■	■	■	■	■	■
0,001 g	201 g	PKS 200-3	390,-	21	1				■	■	■	■	■	■	■
0,001 g	220 g	EW 220-3NM	650,-	30	1	■			■	■	■	■	■	■	■
0,001 g	220 g	EG 220-3NM	770,-	30	1	■	■	■	■	■	■	■	■	■	■
0,001 g	241 g	KB 240-3N	280,-	20	1				■	■	■	■	■	■	■
0,001 g	241 g	572-30	430,-	22	1				■	■	■	■	■	■	■
0,001 g	250 g	PCB 250-3	260,-	16	1				■	■	■	■	■	■	■
0,001 g	300 g	PFB 300-3	260,-	15	1				■	■	■	■	■	■	■
0,001 g	301 g	572-31	440,-	22	1				■	■	■	■	■	■	■
0,001 g	301 g	PKP 300-3	540,-	23	1				■	■	■	■	■	■	■
0,001 g	301 g	PKT 300-3	690,-	26	1			■	■	■	■	■	■	■	■
0,001 g	310 g	PLJ 310-3F	530,-	28	1		■			■	■	■	■	■	■
0,001 g	350 g	PCB 350-3	270,-	16	1			■	■	■	■	■	■	■	■

Quick-Finder

■ = Standard □ = Option

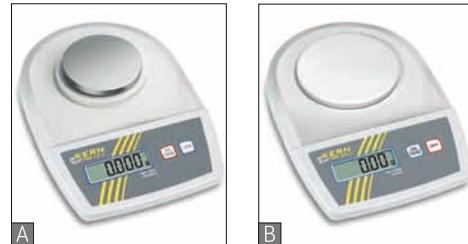
Read-out d	Weighing range Max	Model KERN	Price € excl. VAT ex works	Page	DAYS ready for shipping	M	CAL INT	CAL EXT	PCS	RS 232	INOX	IP	ACCU	BATT
For an explanation of the symbols, see the flap of the envelope														
0,001 g	360 g	PLJ 360-3NM	670,-	27	1	■	□		■	□				
0,001 g	361 g	KB 360-3N	300,-	20	1			■	■	■	■			□
0,001 g	361 g	PKS 360-3	400,-	21	1			■	■	■	■			□
0,001 g	420 g	PES 420-3M	790,-	32	1	■		■	■	■	■			□
0,001 g	420 g	PEJ 420-3M	850,-	32	1	■	■		■	■	■			□
0,001 g	420 g	PLS 420-3F	430,-	28	1			■	■	■	■			
0,001 g	420 g	EW 420-3NM	730,-	30	1	■		■	■	■	■			□
0,001 g	420 g	EG 420-3NM	860,-	30	1	■	■	■	■	■	■			□
0,001 g	420 g	PBS 420-3M	920,-	34	1	■		■	■	■	■			
0,001 g	420 g	PBJ 420-3M	1180,-	34	1	■	■		■	■	■			
0,001 g	421 g	572-32	450,-	22	1			■	■	■	■			□
0,001 g	421 g	PKP 420-3	560,-	23	1			■	■	■	■			□
0,001 g	421 g	PKT 420-3	710,-	26	1			■	■	■	■			□
0,001 g	600 g	PLJ 600-3NM	710,-	27	1	■	■		■	■	■			
0,001 g	620 g	PES 620-3M	1230,-	32	1			■	■	■	■			□
0,001 g	620 g	PEJ 620-3M	1430,-	32	1	■	■		■	■	■			□
0,001 g	620 g	EW 620-3NM	820,-	30	1			■	■	■	■			□
0,001 g	620 g	EG 620-3NM	970,-	30	1	■	■		■	■	■			□
0,001 g	620 g	PBS 620-3M	1120,-	34	1			■	■	■	■			
0,001 g	620 g	PBJ 620-3M	1280,-	34	1	■	■		■	■	■			
0,001 g	720 g	PLJ 720-3A	790,-	28	1		■		■	■	■			
0,001 g	720 g	PLS 720-3A	730,-	28	1			■	■	■	■			
0,001 g	750 g	PLJ 750-3N	810,-	27	1		■		■	■	■			■
0,001 g	1200 g	PLS 1200-3A	790,-	28	1			■	■	■	■			
0,01 g	200 g	EMB 200-2	100,-	13	1			■						■
0,01 g	200 g	PCB 200-2	190,-	16	1			■	■	■	■			□
0,01 g	200 g	440-33N	265,-	18	1			■	■	■	■			□
0,01 g	220 g	EWB 220-2M	490,-	24	1	■		■	■	■	■			□
0,01 g	400 g	440-35N	270,-	18	1			■	■	■	■			□
0,01 g	420 g	PLS 420-3F	430,-	28	1			■	■	■	■			
0,01 g	600 g	EMB 600-2	130,-	13	1			■						■
0,01 g	600 g	440-35A	330,-	18	1			■	■	■	■			□
0,01 g	600 g	EW 600-2M	570,-	25	1	■		■	■	■	■			□
0,01 g	600 g	PLJ 600-2GM	510,-	27	1	■	■	■	■	■	■			■
0,01 g	620 g	EWB 620-2M	530,-	24	1	■		■	■	■	■			□
0,01 g	650 g	KB 650-2NM	370,-	20	1	■		■	■	■	■			□
0,01 g	650 g	573-34NM	470,-	22	1	■		■	■	■	■			
0,01 g	820 g	EW 820-2NM	560,-	30	1			■	■	■	■			□
0,01 g	1000 g	EMB 1000-2	160,-	13	1			■	■	■	■			■
0,01 g	1000 g	PCB 1000-2	215,-	16	1			■	■	■	■			□
0,01 g	1200 g	PFB 1200-2	200,-	15	1			■	■	■	■			■
0,01 g	1210 g	KB 1200-2N	270,-	20	1			■	■	■	■			□
0,01 g	1500 g	EW 1500-2M	620,-	25	1	■		■	■	■	■			
0,01 g	1610 g	572-33	410,-	22	1			■	■	■	■			□
0,01 g	2000 g	EMB 2000-2	180,-	13	1			■	■	■	■			■
0,01 g	2000 g	PFB 2000-2	210,-	15	1			■	■	■	■			■
0,01 g	2010 g	KB 2000-2N	280,-	20	1			■	■	■	■			
0,01 g	2010 g	PKS 2000-2	390,-	21	1			■	■	■	■			
0,01 g	2200 g	PES 2200-2M	890,-	32	1	■		■	■	■	■			
0,01 g	2200 g	PEJ 2200-2M	1100,-	32	1	■	■	■	■	■	■			
0,01 g	2200 g	EW 2200-2NM	690,-	30	1	■		■	■	■	■			
0,01 g	2200 g	EG 2200-2NM	820,-	30	1	■	■	■	■	■	■			
0,01 g	2410 g	KB 2400-2N	290,-	20	1			■	■	■	■			
0,01 g	2410 g	572-35	420,-	22	1			■	■	■	■			
0,01 g	2500 g	PCB 2500-2	260,-	16	1			■	■	■	■			
0,01 g	3000 g	PFB 3000-2	230,-	15	1			■	■	■	■			
0,01 g	3000 g	EW 3000-2M	720,-	25	1	■		■	■	■	■			
0,01 g	3010 g	572-37	430,-	22	1			■	■	■	■			
0,01 g	3010 g	PKP 420-3	560,-	23	1			■	■	■	■			
0,01 g	3010 g	PKT 3000-2	290,-	26	1			■	■	■	■			
0,01 g	3100 g	PLJ 3100-2F	530,-	28	1		■	■	■	■	■			
0,01 g	3500 g	PCB 3500-2	270,-	16	1			■	■	■	■			■
0,01 g	3500 g	PLJ 3500-2NM	660,-	27	1	■	■	■	■	■	■			
0,01 g	3610 g	KB 3600-2N	300,-	20	1			■	■	■	■			
0,01 g	3610 g	PKS 3600-2	400,-	21	1			■	■	■	■			
0,01 g	4200 g	PLE 4200-2N	330,-	19	1			■	■	■	■			■
0,01 g	4200 g	PLS 4200-2F	430,-	28	1			■	■	■	■			

Quick-Finder

■ = Standard □ = Option

Read-out d	Weighing range Max	Model KERN	Price € excl. VAT ex works	Page	DAYS ready for shipping	M	CAL INT	CAL EXT	PCS	RS 232	INOX	IP	ACCU	BATT
						For an explanation of the symbols, see the flap of the envelope								
0,01 g	4200 g	PES 4200-2M	1050,-	32	1	■		■	■	■				□
0,01 g	4200 g	PEJ 4200-2M	1240,-	32	1	■	■		■	■	■			□
0,01 g	4200 g	EW 4200-2NM	780,-	30	1	■			■	■	■			□
0,01 g	4200 g	EG 4200-2NM	910,-	30	1	■	■	■	■	■	■			□
0,01 g	4200 g	PBS 4200-2M	940,-	34	1	■		■	■	■	■			□
0,01 g	4200 g	PBJ 4200-2M	1180,-	34	1	■	■		■	■	■			□
0,01 g	4200 g	572-39	450,-	22	1				■	■	■			□
0,01 g	4200 g	PKP 4200-2	560,-	23	1				■	■	■			□
0,01 g	6200 g	PLJ 6200-2A	830,-	28	1		■		■	■	■			□
0,01 g	6200 g	PLS 6200-2A	730,-	28	1			■	■	■	■			□
0,01 g	6200 g	PES 6200-2M	1260,-	32	1			■	■	■	■			□
0,01 g	6200 g	EW 6200-2NM	870,-	30	1			■	■	■	■			□
0,01 g	6200 g	PBS 6200-2M	1160,-	34	1			■	■	■	■			□
0,01 g	6200 g	PBJ 6200-2M	1370,-	34	1	■	■		■	■	■			□
0,05 g	6000 g	PFB 6K0.05	210,-	15	1			■	■	■	■			■
0,05 g	10,1 kg	KB 10K0.05N	290,-	20	1			■	■	■	■			□
0,05 g	12,1 kg	572-45	430,-	22	1			■	■	■	■			□
0,05 g	12,1 kg	PKP 12K0.05	530,-	23	1			■	■	■	■			□
0,05 g	12,1 kg	PKT 12K0.05	680,-	26	1			■	■	■	■			□
0,05 g	20,1 kg	572-55	450,-	22	1			■	■	■	■			□
0,1 g	400 g	440-43N	165,-	18	1			■	■	■	■			□
0,1 g	500 g	EMB 500-1	50,-	13	1			■	■	■	■			■
0,1 g	1 kg	PCB 1000-1	155,-	16	1			■	■	■	■			□
0,1 g	1 kg	440-45N	220,-	18	1			■	■	■	■			□
0,1 g	1,2 kg	EMB 1200-1	65,-	13	1			■	■	■	■			■
0,1 g	1,2 kg	EWB 1200-1M	490,-	24	1	■		■	■	■	■			□
0,1 g	2 kg	PCB 2000-1	175,-	16	1			■	■	■	■			□
0,1 g	2 kg	440-47N	245,-	18	1			■	■	■	■			□
0,1 g	4 kg	440-49N	300,-	18	1			■	■	■	■			□
0,1 g	6 kg	EMB 6000-1	130,-	13	1			■	■	■	■			■
0,1 g	6 kg	PCB 6000-1	195,-	16	1			■	■	■	■			□
0,1 g	6 kg	PLJ 6000-1GM	510,-	27	1	■	■		■	■	■			■
0,1 g	6 kg	PFB 6000-1	185,-	15	1			■	■	■	■			■
0,1 g	6 kg	440-49A	330,-	18	1			■	■	■	■			□
0,1 g	6 kg	EMS 6K0.1	145,-	14	1			■	■	■	■			■
0,1 g	6 kg	EW 6000-1M	570,-	25	1	■		■	■	■	■			□
0,1 g	6,5 kg	KB 6500-1NM	370,-	20	1	■		■	■	■	■			□
0,1 g	6,5 kg	573-46NM	470,-	22	1	■		■	■	■	■			□
0,1 g	8,2 kg	PBS 8200-1M	920,-	34	1	■		■	■	■	■			□
0,1 g	8,2 kg	PBJ 8200-1M	1080,-	34	1	■	■		■	■	■			□
0,1 g	10 kg	PCB 10000-1	205,-	16	1			■	■	■	■			□
0,1 g	10,1 kg	KB 10000-1N	270,-	20	1			■	■	■	■			□
0,1 g	10,1 kg	KB 10000-1NM	390,-	20	1	■		■	■	■	■			□
0,1 g	10,1 kg	572-43	390,-	22	1		■		■	■	■			□
0,1 g	10,1 kg	PKS 10K0.1	370,-	21	1			■	■	■	■			□
0,1 g	12 kg	EMS 12K0.1	165,-	14	1			■	■	■	■			■
0,1 g	12 kg	EW 12000-1NM	670,-	30	1	■		■	■	■	■			□
0,1 g	15 kg	PES 15000-1M	1250,-	32	1	■		■	■	■	■			□
0,1 g	16,1 kg	572-49	410,-	22	1			■	■	■	■			□
0,1 g	16,1 kg	PKP 16K0.1	510,-	23	1			■	■	■	■			□
0,1 g	16,1 kg	PKT 16K0.1	660,-	26	1			■	■	■	■			□
0,1 g	20 kg	573-56NM	510,-	22	1	■		■	■	■	■			□
0,1 g	20 kg	PLS 20000-1F	470,-	28	1			■	■	■	■			□
0,1 g	24,1 kg	572-57	430,-	22	1			■	■	■	■			□
0,1 g	24,1 kg	PKP 24K0.1	530,-	23	1			■	■	■	■			□
0,1 g	24,1 kg	PKT 24K0.1	680,-	26	1			■	■	■	■			□
0,1 g	31 kg	PES 31000-1M	1990,-	32	1	■		■	■	■	■			□
1 g	2,2 kg	EMB 2200-0	50,-	13	1			■	■	■	■			■
1 g	4 kg	440-51N	145,-	18	1			■	■	■	■			□
1 g	5,2 kg	EMB 5.2K1	50,-	13	1			■	■	■	■			■
1 g	6 kg	EMS 6K1	65,-	14	1			■	■	■	■			■
1 g	6 kg	PCB 6000-0	110,-	16	1			■	■	■	■			□
1 g	6 kg	440-53N	165,-	18	1			■	■	■	■			□
1 g	12 kg	EMS 12K1	95,-	14	1			■	■	■	■			■
5 g	5,2 kg	EMB 5.2K5	47,-	13	1			■	■	■	■			■

Precision balance KERN EMB



02



Entry level laboratory balance with tremendous weighing performance

Features

- Ready for use:** Batteries included, 9V, operating time approx. 12 h. AUTO-OFF function to preserve the battery, can be switched off
- Tare function** facilitates formulation work
- Particularly flat design**
- Secure and non-slip positioning** with rubber feet

Technical data

- Large LCD display, digit height 15 mm
- Dimensions of weighing plate (plastic)
 - A Ø 82 mm
 - B Ø 105 mm
 - C Ø 150 mm, see larger picture
- Overall dimensions WxDxH 170x240x39 mm
- Net weight approx. 0,5 kg
- Permissible ambient temperature 5°C / 35°C

Options

- 1 Ring-shaped draft shield**, plastic, only for models with weighing plate sizes A, KERN EMB-A01, € 20,-
- 2 Stainless steel-weighing plate**, only for models with weighing plate sizes B, KERN EMB-A02, € 25,-
- Mains adapter external** not included, can be reordered, KERN 440-902, € 15,-



Model	Weighing range [Max] g	Readout [d] g	Repro- ducibility g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Option DKD Calibr. Certificate	
							DKD KERN	KERN €
EMB 100-3	100	0,001	0,001	± 0,003	A	160,-	963-127	65,-
EMB 200-3	200	0,001	0,001	± 0,003	A	180,-	963-127	65,-
EMB 200-2	200	0,01	0,01	± 0,02	B	100,-	963-127	65,-
EMB 600-2	600	0,01	0,01	± 0,03	B	130,-	963-127	65,-
EMB 1000-2	1000	0,01	0,01	± 0,03	C	160,-	963-127	65,-
EMB 2000-2	2000	0,01	0,01	± 0,03	C	180,-	963-127	65,-
EMB 500-1	500	0,1	0,1	± 0,2	C	50,-	963-127	65,-
EMB 1200-1	1200	0,1	0,1	± 0,3	C	65,-	963-127	65,-
EMB 3000-1	3000	0,1	0,1	± 0,3	C	100,-	963-127	65,-
EMB 6000-1	6000	0,1	0,1	± 0,3	C	130,-	963-128	80,-
EMB 2200-0	2200	1	1	± 2	C	50,-	963-127	65,-
EMB 5.2K1	5200	1	1	± 3	C	50,-	963-128	80,-
EMB 5.2K5	5200	5	5	± 10	C	47,-	963-128	80,-

New model



Entry level model with large weighing plate in the low-cost range

Features

- Large, shock proof plastic weighing plate
- Particularly flat design
- Ergonomically optimised key pad with large keys and a high-contrast LCD display
- PRE-TARE function for manual subtraction of a known container weight, useful for checking fill-levels

- **Percentage determination:** makes it possible to store a given weight value (100%) and to determine deviations from this target value
- **Secure and non-slip positioning** with rubber feet

Technical data

- LCD display, digit height 15 mm
- Dimensions of weighing plate (plastic) WxD 160x160 mm
- Overall dimensions WxDxH 200x280x63 mm
- Optional battery operation, 9V, not included
- Mains adapter external standard
- Net weight approx. 1,4 kg
- Permissible ambient temperature 5°C / 35°C

STANDARD



STANDARD



OPTION



Model	Weighing range [Max] g	Readout [d] g	Repro- ducibility g	Linearity g	Min. piece weight [PW min] g/piece	Price excl. of VAT ex works €	Option DKD Calibr. Certificate	
							DKD KERN	€
KERN								
EMS 6K0.1	6000	0,1	0,1	± 0,3	0,2	145,-	963-128	80,-
EMS 12K0.1	12000	0,1	0,1	± 0,3	0,2	165,-	963-128	80,-
EMS 6K1	6000	1	1	± 3	2	65,-	963-128	80,-
EMS 12K1	12000	1	1	± 3	2	95,-	963-128	80,-

Precision balance KERN PFB



02



Low-cost model based on a concept of easy use

Features

- Concept of easy use:** All primary functions have their own key on the keypad
- Compact size,** practical for small spaces
- Capacity display:** A bar lights up to show how much of the weighing range is still available
- Level indicator and foot screws** to level the balance precisely, fitted as standard, to give the most accurate weighing results
- Draft shield** standard (for models with weighing plate sizes **A** and **B**). Removable metal cover with pipette opening. Weighing space WxDxH 158x143x64 mm

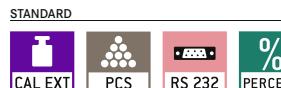
Technical data

- Backlit LCD display, digit height 15 mm
- Dimensions of weighing plate (stainless steel)
 - A** Ø 80 mm
 - B** Ø 120 mm
- C** WxD 155x145 mm, see larger picture
- Overall dimensions (without draft shield) WxDxH 200x257x87 mm
- Net weight approx. 2 kg
- Permissible ambient temperature 5°C / 35°C

Options

- Matrix needle printer,** KERN 911-013, € 330,-
- Thermal printer,** KERN YKB-01N, € 240,-
- Statistics printer,** KERN YKS-01, € 390,-

For additional information on the printers see page 124



Model	Weighing range [Max] g	Readout [d] g	Repro- ducibility g	Linearity g	Min. piece weight [PW min] g/piece	Weighing plate	Price excl. of VAT ex works €	Option DKD Calibr. Certificate	
								DKD KERN	DKD €
KERN									
PFB 120-3	120	0,001	0,001	± 0,003	0,002	A	230,-	963-127	65,-
PFB 200-3	200	0,001	0,001	± 0,003	0,002	A	245,-	963-127	65,-
PFB 300-3 ■	300	0,001	0,001	± 0,003	0,002	A	260,-	963-127	65,-
PFB 1200-2	1200	0,01	0,01	± 0,03	0,02	B	200,-	963-127	65,-
PFB 2000-2	2000	0,01	0,01	± 0,03	0,02	B	210,- ■	963-127	65,-
PFB 3000-2 ■	3000	0,01	0,01	± 0,03	0,02	B	230,-	963-127	65,-
PFB 6K0.05	6000	0,05	0,05	± 0,15	0,2	C	210,-	963-128	80,-
PFB 6000-1	6000	0,1	0,1	± 0,3	0,2	C	185,-	963-128	80,-

■ Price reduction

■ New model



The economical solution for the bargain hunter

Precision balance KERN PCB



Features

- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **Freely programmable weighing unit**, e.g. display directly in special units such as length of thread g/m, paper weight g/m², or similar
- **Ring-shaped draft shield** standard, only for models with weighing plate sizes **A**, weighing space ØxH 90x40 mm

Technical data

- Backlit LCD display, digit height 15 mm
- Dimensions of weighing plate (stainless steel*)
- A** ø 81 mm
- B** ø 105 mm*
- C** 130x130 mm*
- D** 150x170 mm*, see larger picture

- Optional battery operation, 9V, not included. AUTO-OFF function to preserve the battery, can be switched off
- Overall dimensions (without draft shield) WxDxH 163x245x79 mm
- Net weight approx. 1,1 kg
- Permissible ambient temperature 5°C / 35°C

Options

- **Protective working cover** over keyboard and housing, standard, can be reordered, € 25,- for models with weighing plate sizes

- A** KERN PCB-A02
- B** KERN PCB-A03
- C** KERN PCB-A04
- D** KERN PCB-A05

- **Hook for underfloor weighing** to weigh hanging loads, standard, can be reordered, KERN 440-A01, € 20,-

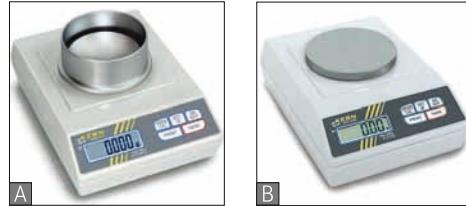
- **Rechargeable battery pack internal**, operating time approx. 48 h, charging time approx. 8 h. AUTO-OFF function to preserve the battery, can be switched off, KERN PCB-A01, € 45,-
- **Matrix needle printer**, KERN 911-013, € 330,-
- **1 Thermal printer**, KERN YKB-01N, € 240,-
- **2 Statistics printer**, KERN YKS-01, € 390,-
- **Individual header data**: the free software KERN SHM-01 can be used to print 4 header lines on the printout for printers 911-013 and YKB-01N

For additional information on the printers see page 124

STANDARD	CAL EXT	PCS	RS 232	RECIPE	PERCENT	GLP	PROTOCOL	UNIT	MOVE	UNDER	BATT	230 V	DMS	OPTION	STANDARD	OPTION

1 2

Model	Weighing range [Max] g	Read-out [d] g	Reproducibility g	Linearity g	Min. piece weight [PW min] g/piece	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Option DKD Calibr. Certificate	
									DKD KERN	€
PCB 100-3	100	0,001	0,001	± 0,003	0,002	1,1	A	230,-	963-127	65,-
PCB 250-3	250	0,001	0,001	± 0,003	0,002	1,1	A	260,-	963-127	65,-
PCB 350-3	350	0,001	0,001	± 0,003	0,002	1,1	A	270,-	963-127	65,-
PCB 200-2	200	0,01	0,01	± 0,02	0,02	1,1	B	190,-	963-127	65,-
PCB 1000-2	1000	0,01	0,01	± 0,03	0,02	1,4	C	215,-	963-127	65,-
PCB 2500-2	2500	0,01	0,01	± 0,03	0,02	1,4	C	260,-	963-127	65,-
PCB 3500-2	3500	0,01	0,01	± 0,03	0,02	1,4	C	270,-	963-127	65,-
PCB 1000-1	1000	0,1	0,1	± 0,2	0,2	1,4	C	155,-	963-127	65,-
PCB 2000-1	2000	0,1	0,1	± 0,2	0,2	1,4	C	175,-	963-127	65,-
PCB 6000-1	6000	0,1	0,1	± 0,3	0,2	2	D	195,-	963-128	80,-
PCB 10000-1	10000	0,1	0,1	± 0,3	0,2	2	D	205,-	963-128	80,-
PCB 6000-0	6000	1	1	± 2	2	2	D	110,-	963-128	80,-



The bestseller in basic laboratory balances

Features

- Ring-shaped draft shield** standard, only for models with weighing plate sizes **A**, weighing space ØxH 90x40 mm
- UNITS:** Further weighing units see the internet

Technical data

- Backlit LCD display, digit height 15 mm
- Dimensions of weighing plate (stainless steel*)
A ø 81 mm
B ø 105 mm*
C 130x130 mm*
D 150x170 mm*, see larger picture

- Optional battery operation, 9V, not included. AUTO-OFF function to preserve the battery
- Overall dimensions (without draft shield) WxDxH 165x230x80 mm
- Net weight approx. 1 kg
- Permissible ambient temperature 5°C / 35°C

Options

- Protective working cover** over keyboard and housing, standard, can be reordered € 25,- for models with weighing plate sizes
A KERN 440-210-002
B KERN 440-330-002
C KERN 440-450-002
D KERN 440-530-002

- Rechargeable battery pack internal**, operating time approx. 10 h, charging time approx. 10 h, KERN FCB-A01, € 35,-
- Matrix needle printer**, KERN 911-013, € 330,-
- 1 Thermal printer**, KERN YKB-01N, € 240,-
- 2 Statistics printer**, KERN YKS-01, € 390,-
- Individual header data**: the free software KERN SHM-01 can be used to print 4 header lines on the printout for printers 911-013 and YKB-01N

For additional information on the printers see page 124

STANDARD	CAL EXT	PCS	RS 232	RECIPE	PERCENT	GLP	PROTOCOL	UNIT	MOVE	UNDER	BATT	230 V	DMS	OPTION	STANDARD	OPTION
																DKD

1 | 2

Model	Weighing range [Max] g	Read-out [d] g	Reproducibility g	Linearity g	Min. piece weight [PW min] g/piece	Weighing plate	Price excl. of VAT ex works €	Option DKD Calibr. Certificate	
								DKD KERN	€
440-21A	60	0,001	0,001	± 0,003	0,002	A	320,-	963-127	65,-
440-33N	200	0,01	0,01	± 0,02	0,02	B	265,-	963-127	65,-
440-35N	400	0,01	0,01	± 0,03	0,02	B	300,-	963-127	65,-
440-35A	600	0,01	0,01	± 0,03	0,02	B	330,-	963-127	65,-
440-43N	400	0,1	0,1	± 0,2	0,2	C	165,-	963-127	65,-
440-45N	1000	0,1	0,1	± 0,2	0,2	C	220,-	963-127	65,-
440-47N	2000	0,1	0,1	± 0,2	0,2	C	245,-	963-127	65,-
440-49N	4000	0,1	0,1	± 0,3	0,2	D	300,-	963-127	65,-
440-49A	6000	0,1	0,1	± 0,3	0,2	D	330,-	963-128	80,-
440-51N	4000	1	1	± 2	2	D	145,-	963-127	65,-
440-53N	6000	1	1	± 2	2	D	165,-	963-128	80,-

Precision balance KERN PLE-N



02

Low-cost precision balance with wide range of functions

Features

- 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
- Weighing with tolerance range (check-weighing)**: Input of an upper/lower limit value. A visual signal assists with portion division, dispensing or grading
- Weighing sum memory** adds individual weighing results
- Ring-shaped draft shield** standard, only for models with weighing plate sizes **A**. Removable metal cover with pipette opening. Weighing space ØxH 125x70 mm

Technical data

- Backlit LCD display, digit height 15 mm
- Dimensions of weighing plate (stainless steel)
 - A** Ø 80 mm
 - B** Ø 135 mm, see larger picture
- Overall dimensions (incl. draft shield) WxDxH 185x250x80 mm
- Net weight approx. 2,5 kg
- Permissible ambient temperature 10°C / 30°C

Options

- Rechargeable battery pack internal**, operating time approx. 30 h, charging time approx. 10 h. Charge condition indicator on display, KERN PLE-A06, € 30,-
- Matrix needle printer**, KERN 911-013, € 330,-
- 1 Thermal printer**, KERN YKB-01N, € 240,-
- 2 Statistics printer**, KERN YKS-01, € 390,-

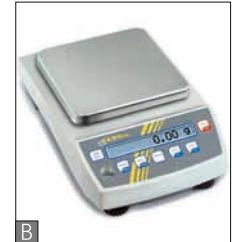
For additional information on the printers see page 124

STANDARD	CAL EXT	PCS	RS 232	GLP	PERCENT	UNIT	TOL	UNDER	230 V	0.00	TARE	DMS	OPTION	STANDARD	OPTION
													ACCU	1 DAY	2 YEARS DKD +3 DAYS GARANTY

1 2

Model	Weighing range [Max] g	Read-out [d] g	Reproducibility g	Linearity g	Min. piece weight [PW min] g/piece	Weighing plate	Option	
							DKD Calibr. Certificate	KERN
PLE 420-3N	420	0,001	0,002	± 0,004	0,005	A	330,-	963-127
PLE 4200-2N	4200	0,01	0,02	± 0,04	0,05	B	330,-	963-127

■ New model



Convenient model at a basic price, also with EC-Type Approval [M]

Features

- User guidance step by step** through Yes/No dialogue on the display

- Precise counting:** The automatic optimisation of reference weight gradually improves the average value of the piece weight

- Freely programmable weighing unit**, e.g. display directly in special units such as length of thread g/m, paper weight g/m², or similar

- Ring-shaped draft shield** standard, only for models with weighing plate sizes **A**, weighing space ØxH 90x40 mm

Technical data

- Backlit LCD display, digit height 9 mm
- Dimensions of weighing plate (stainless steel*)
A ø 81 mm
B 130x130 mm*
C 150x170 mm*, see larger picture
- Overall dimensions (without draft shield) WxDxH 167x250x123 mm
- Net weight approx. 1,1 kg
- Permissible ambient temperature KB-N: 10°C / 40°C
KB-NM: 15°C / 30°C

Options

- Protective working cover** over keyboard and housing, standard, can be reordered, € 25,- for models with weighing plate sizes

- A** KERN PCB-A02

- B** KERN PCB-A04

- C** KERN PCB-A05

- Rechargeable battery pack internal**, operating time approx. 15 h, charging time approx. 10 h, KERN KB-A01N, € 45,-

- Rechargeable battery pack external**, operating time approx. 15 h, charging time approx. 10 h, KERN KS-A01, € 170,-

- Matrix needle printer**, KERN 911-013, € 330,-

- 1 Thermal printer**, KERN YKB-01N, € 240,-

- 2 Statistics printer**, KERN YKS-01, € 390,-

For additional information on the printers see page 124

STANDARD	CAL EXT	PCS	RS 232	GLP	PROTOCOL	RECIPE	%	PERCENT	UNIT	MOVE	UNDER	230 V	DMS	OPTION	STANDARD	OPTION	FACTORY

1 | 2

Model	Weighing range [Max] g	Read-out [d] g	Verific. value [e] g	Reproducibility g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Options					
								Verification		DKD Calibr. Certificate			
								MII	KERN	€	DKD	KERN	
KERN													
KB 120-3N	121	0,001	-	0,001	± 0,003	A	270,-	-	-	-	963-127	65,-	
KB 240-3N	241	0,001	-	0,001	± 0,003	A	280,-	-	-	-	963-127	65,-	
KB 360-3N	361	0,001	-	0,001	± 0,005	A	300,-	-	-	-	963-127	65,-	
KB 1200-2N	1210	0,01	-	0,01	± 0,03	B	270,-	-	-	-	963-127	65,-	
KB 2000-2N	2010	0,01	-	0,01	± 0,03	B	280,-	-	-	-	963-127	65,-	
KB 2400-2N	2410	0,01	-	0,01	± 0,03	B	290,-	-	-	-	963-127	65,-	
KB 3600-2N	3610	0,01	-	0,01	± 0,05	B	300,-	-	-	-	963-127	65,-	
KB 10K0.05N	10100	0,05	-	0,05	± 0,15	C	290,-	-	-	-	963-128	80,-	
KB 10000-1N	10100	0,1	-	0,1	± 0,3	C	270,-	-	-	-	963-128	80,-	

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

Verification at the factory, we need to know the full address of the location of use.

KB 650-2NM	650	0,01	0,1	0,01	± 0,03	B	370,-	950-116	60,-	963-127	65,-
KB 6500-1NM	6500	0,1	1	0,1	± 0,2	C	370,-	950-117	70,-	963-128	80,-
KB 10000-1NM	10000	0,1	1	0,1	± 0,2	C	390,-	-	-	963-128	80,-

Precision balance KERN PKS



02

Convenient model with easy operation thanks to the graphics display

Features

- Weighing with tolerance range (check-weighing):** a visual signal helps with portion division, dispensing or grading
- 40 memories for each mode**
- Ring-shaped draft shield standard** for models with weighing plate sizes **A**, weighing space ØxH 90x53 mm
- Functions:**
 - Capacity display
 - Dispensing assistance (subtractive, additive)
 - Piece counting with reference
 - Automatic reference optimisation
 - Tare deduction from the memory unit
 - Input of item or batch description, operator etc.
 - Freely programmable weighing unit, e.g. display directly in special units such as length of thread g/m, paper weight g/m², or similar

Date/time

- Individual printout configuration

Technical data

- Backlit Graphic LCD display, screen diagonal 3,2" (approx. 81 mm)
- Dimensions of weighing plate (stainless steel*)
 - A** ø 81 mm
 - B** 130x130 mm*
 - C** 150x170 mm*, see larger picture
- Overall dimensions WxDxH 167x250x85 mm
- Permissible ambient temperature 10°C / 40°C

Options

- Protective working cover** over keyboard and housing, standard, can be reordered, € 25,- for models with weighing plate sizes
 - A** KERN PCB-A02
 - B** KERN PCB-A04
 - C** KERN PCB-A05
- Rechargeable battery pack internal**, operating time approx. 15 h, charging time approx. 10 h, KERN KB-A01N, € 45,-
- Rechargeable battery pack external**, operating time approx. 15 h, charging time approx. 10 h, KERN KS-A01, € 170,-
- Matrix needle printer**, KERN 911-013, € 330,-
- 1 Thermal printer**, KERN YKB-01N, € 240,-
- 2 Statistics printer**, KERN YKS-01, € 390,-

For additional information on the printers see page 124

STANDARD



OPTION



Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Min. piece weight at piece count. g/piece	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Option DKD Calibr. Certificate	
									KERN	€
PKS 200-3	201	0,001	0,001	± 0,003	0,001	1,1	A	390,-	963-127	65,-
PKS 360-3	361	0,001	0,002	± 0,005	0,001	1,1	A	400,-	963-127	65,-
PKS 2000-2	2010	0,01	0,01	± 0,03	0,01	1,5	B	390,-	963-127	65,-
PKS 3600-2	3610	0,01	0,02	± 0,05	0,01	1,4	B	400,-	963-127	65,-
PKS 10K0.1	10100	0,1	0,1	± 0,3	0,1	1,2	C	370,-	963-128	80,-



All-rounder e.g. as laboratory, counting or checking balance, also with EC-Type Approval [M]

Features

- **Robust metal housing**
- Only 572: **Freely programmable weighing unit**, e.g. display directly in special units such as length of thread g/m, paper weight g/m², or similar
- **Ring-shaped draft shield** standard (Weighing plate A), weighing space ØxH 157x43 mm
- **1 UNITS:** Further weighing units see the internet (only 572)

Technical data

- Large backlit LCD display, digit height 18 mm
- Dimensions of weighing plate (stainless steel)
 - A Ø 106 mm
 - B Ø 150 mm
 - C 160x200 mm, see larger picture
- Overall dimensions WxDxH 180x310x85 mm
- Permissible ambient temperature
 - 572: 10°C / 40°C
 - 573: 10°C / 30°C

Options

- **Protective working cover** standard, can be reordered, KERN 572-A02, € 25,-
- **2 Only 572: Rechargeable battery pack external**, operating time approx. 25 h, charging time approx. 10 h, KERN KS-A01, € 170,-
- **3 Large glass draught shield** with 3 sliding doors for easy access to the items being weighed. Weighing space WxDxH 150x140x130 mm (only for models with weighing plate sizes A), KERN 572-A05, € 160,-
- **Matrix needle printer**, KERN 911-013, € 330,-
- **4 Thermal printer**, KERN YKB-01N, € 240,-
- **5 Statistics printer**, KERN YKS-01, € 390,-

For additional information on the printers see page 124

STANDARD	CAL EXT	PCS	RS 232	GLP	PROTOCOL	RECIPE	%	UNIT	MOVE	UNDER	230 V	DMS	OPTION	STANDARD	OPTION	FACTORY	
	4 5						1						ACCU	1 DAY	3 YEARS GUARANTY	DKD +3 DAYS	M +7 DAYS

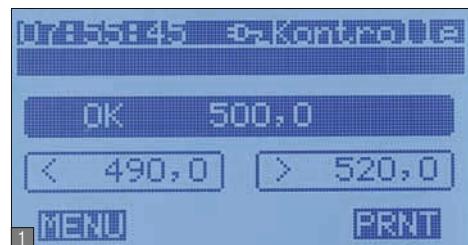
Model KERN	Weighing range [Max] g	Read-out [d] g	Verific. value [e] g	Linearity g	Reproducibility g	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options			
									Verification		DKD Calibr. Certificate	
									MII	KERN	DKD	KERN
572-30	241	0,001	-	± 0,003	0,001	2,3	A	430,-	-	-	963-127	65,-
572-31	301	0,001	-	± 0,003	0,001	2,3	A	440,-	-	-	963-127	65,-
572-32	421	0,001	-	± 0,005	0,002	2,3	A	450,-	-	-	963-127	65,-
572-33	1610	0,01	-	± 0,03	0,01	2,3	B	410,-	-	-	963-127	65,-
572-35	2410	0,01	-	± 0,03	0,01	2,3	B	420,-	-	-	963-127	65,-
572-37	3010	0,01	-	± 0,05	0,01	2,3	B	430,-	-	-	963-127	65,-
572-39	4210	0,01	-	± 0,05	0,02	2,3	B	450,-	-	-	963-127	65,-
572-45	12100	0,05	-	± 0,15	0,05	2,7	B	430,-	-	-	963-128	80,-
572-55	20100	0,05	-	± 0,15	0,1	2,7	C	450,-	-	-	963-128	80,-
572-43	10100	0,1	-	± 0,3	0,1	2,3	C	390,-	-	-	963-128	80,-
572-49	16100	0,1	-	± 0,3	0,1	2,7	C	410,-	-	-	963-128	80,-
572-57	24100	0,1	-	± 0,3	0,1	2,7	C	430,-	-	-	963-128	80,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

573-34NM	650	0,01	0,1	± 0,02	0,01	2,3	B	470,-	950-116	60,-	963-127	65,-
573-46NM	6500	0,1	1	± 0,2	0,1	2,7	C	470,-	950-117	70,-	963-128	80,-
573-56NM	20000	0,1	1	± 0,3	0,1	2,7	C	510,-	-	-	963-128	80,-



02



Robust laboratory and industrial scales with graphics display

Features

- The key to success in the laboratory, KERN 572, now also with clear graphics display
- 1 Weighing with tolerance range (checkweighing):** a visual signal helps with portion division, dispensing or grading

• 40 memories for each mode

• Functions:

- Capacity display
- Dispensing assistance (subtractive, additive)
- Piece counting with reference
- Automatic reference optimisation
- Tare deduction from the memory unit
- Input of item or batch description, operator etc.
- Freely programmable weighing unit, e.g. display directly in special units such as length of thread g/m, paper weight g/m², or similar

- Date/time

- Individual printout configuration

- Robust metal housing,** ensures stability, protects the weighing technology elements and is robust enough to cope with everyday use

Technical data

- Backlit Graphic LCD display, screen diagonal 3,2" (approx. 81 mm)
- Dimensions of weighing plate (stainless steel)
 - A Ø 106 mm
 - B Ø 150 mm
 - C 160x200 mm, see larger picture
- Overall dimensions WxDxH 180x310x90 mm
- Permissible ambient temperature 10°C / 40°C

Options

- Protective working cover standard,** can be reordered, KERN 572-A02, € 25,-
- Rechargeable battery pack external,** operating time approx. 25 h, charging time approx. 10 h, KERN KS-A01, € 170,-
- Large glass draught shield** with 3 sliding doors for easy access to the items being weighed. Weighing space WxDxH 150x140x130 mm (only for models with weighing plate sizes A), KERN 572-A05, € 160,-
- Matrix needle printer,** KERN 911-013, € 330,-
- 2 Thermal printer,** KERN YKB-01N, € 240,-
- 3 Statistics printer,** KERN YKS-01, € 390,-

For additional information on the printers see page 124

STANDARD



STANDARD



OPTION



Model	Weighing range [Max] g	Read-out [d] g	Reproducibility g	Linearity g	Min. piece weight [PW min] g/piece	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Option	
									DKD	KERN
KERN										
PKP 300-3	301	0,001	0,002	± 0,005	0,001	2,3	A	540,-	963-127	65,-
PKP 420-3	421	0,001	0,002	± 0,005	0,001	2,3	A	560,-	963-127	65,-
PKP 3000-2	3010	0,01	0,02	± 0,05	0,01	2,3	B	540,-	963-127	65,-
PKP 4200-2	4210	0,01	0,02	± 0,05	0,01	2,3	B	560,-	963-127	65,-
PKP 12K0.05	12100	0,05	0,05	± 0,15	0,05	2,7	C	530,-	963-128	80,-
PKP 16K0.1	16100	0,1	0,1	± 0,3	0,1	2,7	C	510,-	963-128	80,-
PKP 24K0.1	24100	0,1	0,1	± 0,3	0,1	2,7	C	530,-	963-128	80,-



Verifiable entry level model in the upper laboratory class with EC-Type Approval [M]

Features

- Very fast display:** steady weight values within 2 sec
- Capacity display:** A bar lights up to show how much of the weighing range is still available
- Precise counting:** The automatic optimisation of reference weight gradually improves the average value of the piece weight
- Weighing with tolerance range (checkweighing):** Input of an upper/lower limit value. A visual signal assists with portion division, dispensing or grading

- UNITS:** Further weighing units see the internet

Technical data

- Large LCD display, digit height 17 mm
- Dimensions of weighing plate (stainless steel)
 - A Ø 140 mm, see larger picture
 - B 180x160 mm
- Overall dimensions WxDxH 182x235x75 mm
- Net weight approx. 1,1 kg
- Permissible ambient temperature 10°C / 30°C

Options

- Protective working cover** over keyboard and housing standard, can be reordered, KERN EG-A05, € 25,-
- Rechargeable battery pack internal**, operating time approx. 32 h, charging time approx. 10 h, KERN EWB-A01, € 100,-
- Loop for underfloor weighing**, KERN EG-A07, € 36,-

STANDARD



OPTION



STANDARD



OPTION



FACTORY



Model	Weighing range [Max] g	Read-out [d] g	Verific. value [e] g	Reproducibility g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Options			
								Verification		DKD Calibr. Certificate	
KERN								M II	DKD		
EWB 220-2M	220	0,01	0,01	0,01	0,01	A	490,-	KERN	KERN	€	
EWB 620-2M	620	0,01	0,1	0,01	0,01	A	530,-	950-116	60,-	963-127	65,-
EWB 1200-1M	1200	0,1	0,1	0,1	0,1	B	490,-	-	-	963-127	65,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

Precision balance KERN EW



02



Verifiable gold and laboratory balance with EC-Type Approval [M]

Features

- Short stabilisation time:** Steady weight values within approx. 2 sec
- Capacity display:** A bar lights up to show how much of the weighing range is still available
- Ring-shaped draft shield standard,** only for models with weighing plate sizes **A**, weighing space ØxH 155x57 mm

A ø 110 mm

B ø 140 mm

C 172x142 mm, see larger picture

• Overall dimensions (without draft shield)

WxDxH 177x230x88 mm

• Net weight approx. 1,7 kg

• Permissible ambient temperature 10°C / 30°C

Options

- Protective working cover** over keyboard and housing standard, can be reordered, KERN EG-A02, € 25,-

- 1 Large glass draught shield** with 3 sliding doors for easy access to the items

being weighed. Weighing space WxDxH 150x140x130 mm (only KERN EW 150-3M), KERN EG-A01, € 160,-

- 2 Rechargeable battery pack internal**, operating time approx. 12 h, charging time approx. 12 h, AUTO-OFF function to preserve the battery, KERN EW-A02, € 100,-

- 3 Data interface**, KERN EW-A01, € 120,-

- 2 3** only one option possible

- Matrix needle printer**, KERN 911-013, € 330,-

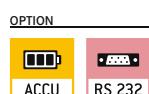
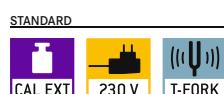
- Thermal printer**, KERN YKB-01N, € 240,-

- Statistics printer**, KERN YKS-01, € 390,-

For additional information on the printers see page 124

Technical data

- Large LCD display, digit height 17 mm
- Dimensions of weighing plate (stainless steel):



Model	Weighing range [Max] g	Read-out [d] g	Verific. value [e] g	Reproducibility g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Options			
								Verification		DKD Calibr. Certificate	
								MII	KERN	€	DKD
KERN											
EW 150-3M	150	0,001	0,01	0,002	± 0,003	A	600,-	-	-	963-127	65,-
EW 600-2M	600	0,01	0,1	0,01	± 0,02	B	570,-	950-116	60,-	963-127	65,-
EW 1500-2M	1500	0,01	0,1	0,01	± 0,02	B	620,-	-	-	963-127	65,-
EW 3000-2M	3000	0,01	0,1	0,01	± 0,02	B	720,-	-	-	963-127	65,-
EW 6000-1M	6000	0,1	1	0,1	± 0,2	C	570,-	950-117	70,-	963-128	80,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.



Touchscreen laboratory balance with extensive range of functions

Features

- The key to success in the laboratory, KERN 572, now also with innovative touchscreen: Large touch-sensitive, backlit screen with very good contrast for easy operation and convenient reading
- 1 Easy input of text and values**
- 2 Clear menu structure**
- 3 Weighing with tolerance range (checkweighing)**
- 4 40 memories for each mode**
- Robust metal housing**, ensures stability, protects the weighing technology elements and is robust enough to cope with everyday use
- Ring-shaped draft shield** standard for models with weighing plate sizes **A**, weighing space ØxH 157x57 mm

Technical data

- Large backlit LCD touch display, digit height 15 mm, screen diagonal 4,3" (approx. 109 mm)
- Dimensions of weighing plate (stainless steel):

A ø 106 mm, not illustrated

B ø 150 mm, not illustrated

C 160x200 mm, see larger picture

- Overall dimensions WxDxH 180x310x90 mm
- Permissible ambient temperature 10°C / 40°C

Options

- Protective working cover** standard, can be reordered, KERN 572-A02, € 25,-
- Rechargeable battery pack external**, operating time approx. 15 h, charging time approx. 10 h, KERN KS-A01, € 170,-
- Large glass draught shield** with 3 sliding doors for easy access to the items being weighed. Weighing space WxDxH 150x140x130 mm (only for models with weighing plate sizes **A**), KERN 572-A05, € 160,-
- Matrix needle printer**, KERN 911-013, € 330,-
- Thermal printer**, KERN YKB-01N, € 240,-
- Statistics printer**, KERN YKS-01, € 390,-

For additional information on the printers see page 124

Modes

Weighing, Counting, Dispensing, Recipe weighing, Checkweighing, Totalizing with daily total, Percentage determination, Animal weighing, Surface weight

Functions

- Capacity display
- Dispensing assistance (subtractive, additive)
- Net/Gross display, permanently on
- Variable reference quantity
- Automatic reference optimisation
- Tare deduction numerical or from the memory unit
- Input of item or batch description, operator etc.
- Freely programmable weighing unit, e.g. display directly in special units such as length of thread g/m, paper weight g/m², or similar
- Date/time
- Statistical function
- GLP printout
- Individual printout configuration

STANDARD



OPTION



OPTION



Model	Weighing range [Max] g	Read-out [d] g	Reproducibility g	Linearity g	Min. piece weight [PW min] g/piece	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Option	
									DKD	Calibr. Certificate
KERN										
PKT 300-3	301	0,001	0,002	± 0,005	0,001	2,3	A	690,-	963-127	65,-
PKT 420-3	421	0,001	0,002	± 0,005	0,001	2,3	A	710,-	963-127	65,-
PKT 3000-2	3010	0,01	0,02	± 0,05	0,01	2,3	B	690,-	963-127	65,-
PKT 12K0.05	12100	0,05	0,05	± 0,15	0,05	2,7	C	680,-	963-128	80,-
PKT 16K0.1	16100	0,1	0,1	± 0,3	0,1	2,7	C	660,-	963-128	80,-
PKT 24K0.1	24100	0,1	0,1	± 0,3	0,1	2,7	C	680,-	963-128	80,-

Precision balance KERN PLJ



02



3

Excellent performance at a very reasonable price,
with EC-Type Approval (M)

Features

- **Automatic internal adjustment** in the case of a change in temperature $\geq 3^{\circ}\text{C}$ or time-controlled every 3 hours
- **1 Draft shield** standard (on all models with readout $d = 0,001 \text{ g}$). weighing space WxDxH 140x140x65 mm

2 PLJ-GM:

- **Ergonomically optimised keypad** for left and righthanded users
- **Rechargeable battery pack internal**, standard, operating time approx. 35 h, charging time approx. 12 h
- **Weighing with tolerance range (check-weighing)**: Input of an upper/lower limit

value. A visual signal assists with portion division, dispensing or grading

- **UNITS**: Further weighing units see the internet

Technical data

- Backlit LCD display
PLJ-NM: digit height 17 mm
PLJ-GM: digit height 19 mm
- Dimensions of weighing plate (stainless steel)
A 128x128 mm
B 195x195 mm, see larger picture
- Overall dimensions WxDxH
without draft shield 206x335x85 mm
incl. draft shield 206x335x157 mm
- Net weight approx. 3,6 kg (incl. draft shield

approx. 4 kg)

- Permissible ambient temperature 15°C / 30°C

Options

- **Protective working cover** standard, can be reordered, KERN ALS-A02, € 25,-
 - **3 Set for density determination** of liquids and solids with density ≥ 1 , only suitable for models with readout $d = 0,001 \text{ g}$ (PLJ-N). The density is indicated directly on the display, sim. to illustration, KERN PLS-A01, € 530,-
 - **Matrix needle printer**, KERN 911-013, € 330,-
 - **4 Thermal printer**, KERN YKB-01N, € 240,-
 - **5 Statistics printer**, KERN YKS-01, € 390,-
- For additional information on the printers see page 124

STANDARD

4 5				2				2			2	

STANDARD

1 DAY	3 YEARS

OPTION

+3 DAYS

FACTORY

+3 DAYS

only PLJ-M

Model	Weighing range [Max] g	Read-out [d] g	Verification value [e] g	Reproducibility g	Linearity g	Min. piece weight [PW min] g/piece	Weighing plate	Price excl. of VAT ex works €	Options				
									Verification		DKD Calibr. Certificate		
									M II	KERN	€	DKD	KERN
KERN													
PLJ 750-3N	750	0,001	-	0,002	$\pm 0,003$	0,005	A	810,-		-	-	963-127	65,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.													
Verification at the factory, we need to know the full address of the location of use.													
PLJ 360-3NM	360	0,001	0,01	0,001	$\pm 0,004$	0,005	A	670,-		950-116	60,-	963-127	65,-
PLJ 600-3NM	600	0,001	0,01	0,002	$\pm 0,004$	0,005	A	710,-		950-116	60,-	963-127	65,-
PLJ 600-2GM	600	0,01	0,1	0,02	$\pm 0,02$	0,05	A	510,-		965-216	60,-	963-127	65,-
PLJ 3500-2NM	3500	0,01	0,1	0,01	$\pm 0,04$	0,05	B	660,-		950-116	60,-	963-127	65,-
PLJ 6000-1GM	6000	0,1	1	0,2	$\pm 0,2$	0,5	B	510,-		965-217	70,-	963-128	80,-

Price reduction



Excellent performance, excellent price - now also with internal adjustment

Precision balance KERN PLS · PLJ



A

Features

- **1 Ergonomically optimised keypad** for left and righthanded users
- **Glass draught guard**, standard for models with weighing plate sizes **A**. Removable metal cover with pipette opening. weighing space ØxH 150x60 mm
- **2 only PLJ: Automatic internal adjustment**
- **3 only PLS: Adjusting program CAL**, for quick setting of the balance accuracy, external test weights at an additional price
- **UNITS:** Further weighing units see the internet



C

Technical data

- Backlit LCD display, digit height 17 mm
- Dimensions of weighing plate (stainless steel)
 - A** ø 110 mm
 - B** ø 160 mm, see larger picture
 - C** 200x175 mm
- Overall dimensions WxDxH for models with weighing plate sizes
 - A** 210x340x160 mm (incl. draft shield)
 - B** 210x340x100 mm
 - C** 210x340x100 mm
- **4 Weighing principle: Strain gauge** (only PLS-F and PLJ-F)
- **5 Weighing principle: Force compensation** (only PLS-A and PLJ-A)
- Net weight approx. 4,5 kg
- Permissible ambient temperature 5°C / 35°C



1

Options

- **Protective working cover standard**, can be reordered, KERN PLJ-A01, € 25,-
- **Hook for underfloor weighing** to weigh hanging loads, only for PLS-F and PLJ-A, KERN PLJ-A02, € 20,-
- **Matrix needle printer**, KERN 911-013, € 330,-
- **6 Thermal printer**, KERN YKB-01N, € 240,-
- **7 Statistics printer**, KERN YKS-01, € 390,-

For additional information on the printers see page 124

STANDARD							STANDARD		OPTION	
2	3	6	7				4		5	

Model	Weighing range [Max] g	Read-out [d] g	Reproducibility g	Linearity g	Min. piece weight [PW min] g/piece	Weighing plate	Net weight approx. kg	Price excl. of VAT ex works €	Option DKD Calibr. Certificate	
									DKD	KERN
KERN										
PLS 420-3F	420	0,001	0,001	± 0,004	0,005	A	4	430,-	963-127	65,-
PLS 720-3A	720	0,001	0,001	± 0,002	0,005	A	4,5	730,-	963-127	65,-
PLS 1200-3A	1200	0,001	0,001	± 0,003	0,005	A	4,5	790,-	963-127	65,-
PLS 4200-2F	4200	0,01	0,01	± 0,04	0,05	B	4	430,-	963-127	65,-
PLS 6200-2A	6200	0,01	0,01	± 0,03	0,05	B	4,5	730,-	963-128	80,-
PLS 20000-1F	20000	0,1	0,1	± 0,4	0,5	C	4	470,-	963-128	80,-
PLJ 720-3A	720	0,001	0,001	± 0,002	0,005	A	4,5	790,-	963-127	65,-
PLJ 1200-3A	1200	0,001	0,001	± 0,003	0,005	A	4,5	890,-	963-127	65,-
PLJ 6200-2A	6200	0,01	0,01	± 0,03	0,05	B	4,5	830,-	963-128	80,-

New model



Top of the range cost-effectiveness, with EC-Type Approval [M]

Precision balance KERN EW-N · EG-N



Features

- 1 only EG-NM: Internal adjustment (CAL) by rotary knob** on the side. Guarantees high degree of accuracy and makes the location irrelevant
- 2 only EW-NM: Adjusting program CAL**, for quick setting of the balance accuracy, external test weights at an additional price, page 126 ff.
- Capacity display:** A bar lights up to show how much of the weighing range is still available
- Precise counting:** The automatic optimisation of reference weight gradually improves the average value of the piece weight
- Weighing with tolerance range (check-weighing):** Input of an upper/lower limit value. A visual signal assists with portion division, dispensing or grading
- Draft shield** standard for models with weighing plate sizes **A**. Removable metal cover with pipette opening. weighing space WxDxH 158x130x78 mm

Technical data

- Large LCD display, digit height 17 mm
- Dimensions of weighing plate (stainless steel)
 - A** ø 118 mm, see larger picture
 - B** 170x142 mm
 - C** 180x160 mm
- Overall dimensions (without draft shield) WxDxH
 - A, B** 182x235x75 mm
 - C** 192x265x87 mm
- Net weight approx. 1,9 kg
- Permissible ambient temperature 10°C / 30°C

Options

- Protective working cover** over keyboard and housing, standard, can be reordered. For models with weighing plate sizes **A, B** KERN EG-A05, € 25,-
C KERN EG-A09, € 25,-
- Rechargeable battery pack internal**, operating time approx. 12 h, charging time

approx. 12 h. Charge condition indicator on display. AUTO-OFF function to preserve the battery, can be switched off. For models with weighing plate sizes

A, B KERN EG-A04, € 100,-
C KERN EG-A06, € 100,-

• 3 Large glass draught shield with 3 sliding doors for easy access to the items being weighed, Weighing space WxDxH 150x140x130 mm, can be reordered for models with weighing plate sizes **A**, KERN EG-A03, € 160,-

• Loop for underfloor weighing, for models with weighing plate sizes

A, B KERN EG-A07, € 36,-
C KERN EG-A08, € 36,-

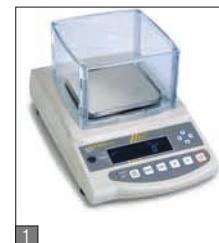
• 4 Matrix needle printer, KERN 911-013, € 330,-

• 5 Thermal printer, KERN YKB-01N, € 240,-
• 6 Statistics printer, KERN YKS-01, € 390,-

STANDARD										OPTION		STANDARD		OPTION		FACTORY		
1	2	5 6																

Model	Weighing range [Max] g	Read-out [d] g	Verific. value [e] g	Reproducibility g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Options				
								Verification		DKD Calibr. Certificate		
									KERN	€	DKD KERN	€
KERN												
EW 220-3NM	220	0,001	0,01	0,001	± 0,002	A	650,-	-	-	963-127	65,-	
EW 420-3NM	420	0,001	0,01	0,001	± 0,003	A	730,-	-	-	963-127	65,-	
EW 620-3NM	620	0,001	-	0,001	± 0,003	A	820,-	-	-	963-127	65,-	
EW 820-2NM	820	0,01	-	0,01	± 0,01	B	560,-	-	-	963-127	65,-	
EW 2200-2NM	2200	0,01	0,1	0,01	± 0,01	C	690,-	-	-	963-127	65,-	
EW 4200-2NM	4200	0,01	0,1	0,01	± 0,02	C	780,-	-	-	963-127	65,-	
EW 6200-2NM	6200	0,01	-	0,01	± 0,03	C	870,-	-	-	963-128	80,-	
EW 12000-1NM	12000	0,1	1	0,1	± 0,2	C	670,-	-	-	963-128	80,-	
EG 220-3NM	220	0,001	0,01	0,001	± 0,002	A	770,-	950-116	60,-	963-127	65,-	
EG 420-3NM	420	0,001	0,01	0,001	± 0,003	A	860,-	950-116	60,-	963-127	65,-	
EG 620-3NM	620	0,001	0,01	0,001	± 0,004	A	970,-	950-101	100,-	963-127	65,-	
EG 2200-2NM	2200	0,01	0,1	0,01	± 0,01	C	820,-	950-116	60,-	963-127	65,-	
EG 4200-2NM	4200	0,01	0,1	0,01	± 0,02	C	910,-	950-116	60,-	963-127	65,-	

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.



Robust laboratory and industrial precision balance,
with EC-Type Approval [M]

Features

- **2** only PEJ: **Automatic internal adjustment**
- **3** only PES: **Adjusting program CAL**,
for quick setting of the balance accuracy,
external test weights at an additional price
- **Metal housing**: robust and sturdy
- **Weighing with tolerance range (check-weighing)**: Input of 2 upper and 2 lower
limit values through 4 arrow keys. An audible
signal assists with the portion division, dis-
pensing or grading
- **1 Draft shield** standard on all models with
readout $d = 0,001$ g. weighing space WxDxH
170x150x100 mm. Removable metal cover
with pipette opening

Technical data

- Fluorescent display bright with high contrast,
digit height 13 mm
- Dimensions of weighing plate
(stainless steel)
 - A** 140x120 mm
 - B** 200x200 mm, see larger picture
 - C** 250x220 mm
- Overall dimensions (without draft shield)
WxDxH for models with weighing plate sizes
 - A** 220x333x93 mm
 - B** 220x333x93 mm
 - C** 260x333x110 mm
- Permissible ambient temperature
10°C / 30°C

Options

- **Protective working cover** standard, can
be reordered (not for KERN PES 31000-1M),
KERN PES-A04, € 25,-
- **4 Only PES: Rechargeable battery pack
internal**, operating time approx. 6 h, charg-
ing time approx. 15 h (internal charging
with mains adapter), must be ordered at
purchase, KERN PES-A01, € 560,-
- **Relay output** with 5 outputs for weighing
result in 3 tolerance ranges, must be ordered
at purchase, KERN PES-A02, € 440,-
- **Matrix needle printer**,
KERN 911-013, € 330,-
- **5 Thermal printer**, KERN YKB-01N, € 240,-
- **6 Statistics printer**, KERN YKS-01, € 390,-

STANDARD												FACTORY		STANDARD		OPTION		FACTORY	

Model	Weighing range [Max] g	Read-out [d] g	Verific. value [e] g	Reproducibility g	Linearity g	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options			
									Verification		DKD Calibr. Certificate	
									M KERN	€	DKD KERN	€
KERN												
PES 620-3M*	620	0,001	–	0,001	± 0,003	4	A	1230,-	–	–	963-127	65,-
PES 2200-2M	2200	0,01	0,1	0,01	± 0,02	4	B	890,-	–	–	963-127	65,-
PES 4200-2M	4200	0,01	0,1	0,01	± 0,02	4	B	1050,-	–	–	963-127	65,-
PES 6200-2M	6200	0,01	–	0,01	± 0,03	4	B	1260,-	–	–	963-128	80,-
PES 15000-1M	15000	0,1	1	0,1	± 0,2	4	B	1250,-	–	–	963-128	80,-
PES 31000-1M	31000	0,1	1	0,1	± 0,4	8,9	C	1990,-	–	–	963-128	80,-

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

Verification at the factory, we need to know the full address of the location of use.

PEJ 620-3M	620	0,001	0,01	0,001	± 0,003	6	A	1430,-	950-101	100,-	963-127	65,-
PEJ 2200-2M	2200	0,01	0,1	0,01	± 0,02	6	B	1100,-	950-116	60,-	963-127	65,-
PEJ 4200-2M	4200	0,01	0,1	0,01	± 0,02	6	B	1240,-	950-116	60,-	963-127	65,-

* Only while stocks last

Accessories KERN YBI · YKS · YPS



KERN YBI-01



Ioniser to neutralise electrostatic charge

Features:

Goods to be weighed which are non-conductive, such as plastic, china, glass, etc often carry electrostatic charge. The electromagnetic field which then occurs between the goods to be weighed and the balance can cause the weighing result to be distorted by up to a gramme. Therefore, when weighing in milligrammes or even smaller increments, we recommend neutralising the electrostatic charge with the KERN AC-Korona discharge ioniser. With the mount supplied with the ioniser 1, 2, it can be positioned conveniently

next to the balance or you can manually direct it from all sides onto a particular item to be weighed 3.

02

Technical data:

- **Neutralisation:** ± 20V
- **Discharge of ozone:** 0,04 ppm/h
- **Dimensions:**
WxDxH 97x53x31 mm,
150x150x90mm incl. holder
- **Net weight:** approx. 0,11 kg
approx. 0,55 kg incl. mount
- **Mains connection:** 110-230V/50Hz,
AC power supply, 12V DC output

KERN YBI-01, € 820,-



KERN YKS-01



Statistics printer

Features:

for balances with RS 232 C data interface (see table on page 125). Quiet thermal printer with 0.75 lines/sec and max. 40 characters per line. GLP record keeping of balance adjustment with date and time print. Numerator; with statistical functions such as count and total of all measurements, minimum and maximum values of the main unit, range (Max-Min). Average value, standard deviations, available units: mg, g, kg, pcs. Language versions D, GB, F, PL.

Accessories:

Paper rolls (10 pcs.),
KERN YKB-A10, € 35,-
Compatible interface cable,
see page 125

Technical data:

- **Paper strip:** 112 mm wide.
- **Dimensions:**
WxDxH 165x140x50 mm.
- **Operation via mains adapter:**
230V/50Hz (standard).

Please state balance model, in order for printer to be preconfigured.
Price excluding interface cable,
KERN YKS-01, € 390,-

Weighing table

Features:

Accurate measuring results require stable working conditions! The KERN YPS-01 weighing table has been constructed to absorb vibrations and oscillations, which would otherwise distort the weighing result. The YPS-01 weighing table consists of:

- 4 Polished marble plate (49 kg) as integrated working surface, positioned on absorbing rubber components
- Work table with aluminium profile frame and height-adjustable feet



KERN YPS-01



Technical data:

- **Overall dimensions**
WxDxH 800x600x782 mm
- **Dimensions marble plate:**
WxD 400x450 mm
- **Net weight:** approx. 77 kg

Dispatch complete on pallet.
Please ask for dimensions, gross weight, and shipping costs.

KERN YPS-01, € 770,-



Multifunctional laboratory balance with single-cell weighing system
and EC-Type Approval [M]

Precision balance KERN PBS · PBJ



3

Features

- **1 only PBJ:** Automatic internal adjustment in the case of a change in temperature or time-controlled at defined intervals
- **2 only PBS:** Adjusting program CAL, for quick setting of the balance accuracy, external test weights at an additional price
- **Metal housing:** robust and sturdy
- **Dosage aid:** High-stability mode and other filter settings can be selected
- **Weighing with tolerance range (check-weighing):** Input of an upper/lower limit value. A visual signal assists with portion division, dispensing or grading
- **Totalizing** of individual weighing results
- **Simple recipeweighting 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



4

Automatic data output to the PC/printer

- every time the balance is steady
- **3 Draft shield** standard, on all models with readout d = 0,001 g. weighing space WxDxH 180x193x87 mm
 - **UNITS:** Further weighing units see the internet

Technical data

- Large backlit LCD display, digit height 14 mm
- Dimensions of weighing plate (stainless steel):
 - A** 108x105 mm
 - B** 170x180 mm, see larger picture
- Overall dimensions (without draft shield) WxDxH 209x322x78 mm
- Net weight approx. 3 kg
- Permissible ambient temperature 10°C / 30°C



5



7

02



6

Options

- **Protective working cover** over keyboard and housing, standard, can be reordered, € 25,- for models with weighing plate sizes
 - A** KERN PBS-A01
 - B** KERN PBS-A02
- **Set for density determination** for models with weighing plate sizes
 - A** KERN PBS-A04, € 690,-
 - B** KERN PBS-A03, € 770,-
- **5 Matrix needle printer**, KERN 911-013, € 330,-
- **6 Thermal printer**, KERN YKB-01N, € 240,-
- **7 Statistics printer**, KERN YKS-01, € 390,-

4 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

STANDARD



1

2

3

4

5

6

7

STANDARD

OPTION

FACTORY



1 DAY

3 YEARS

GARANTY



+3 DAYS



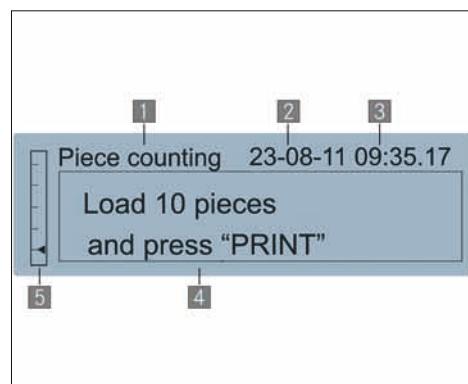
+7 DAYS

Model	Weighing range [Max] g	Read-out [d] g	Verific. value [e] g	Minimum load [Min] g	Reproducibility g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Options				
									Verification		DKD Calibr. Certificate		
										KERN	€		KERN
KERN													
PBS 420-3M	420	0,001	0,01	0,02	0,001	± 0,002	A	920,-		-	-	963-127	65,-
PBS 620-3M	620	0,001	-	-	0,001	± 0,002	A	1120,-		-	-	963-127	65,-
PBS 4200-2M	4200	0,01	0,1	0,5	0,01	± 0,02	B	940,-		-	-	963-127	65,-
PBS 6200-2M	6200	0,01	-	-	0,01	± 0,02	B	1160,-		-	-	963-128	80,-
PBS 8200-1M	8200	0,1	1	5	0,1	± 0,2	B	920,-		-	-	963-128	80,-
PBJ 420-3M*	420	0,001	0,01	0,02	0,001	± 0,002	A	1180,-		950-116	60,-	963-127	65,-
PBJ 620-3M	620	0,001	0,01	0,1	0,001	± 0,002	A	1280,-		950-101	100,-	963-127	65,-
PBJ 4200-2M	4200	0,01	0,1	0,5	0,01	± 0,02	B	1180,-		950-116	60,-	963-127	65,-
PBJ 6200-2M	6200	0,01	0,1	1	0,01	± 0,02	B	1370,-		950-102	100,-	963-128	80,-
PBJ 8200-1M	8200	0,1	1	5	0,1	± 0,2	B	1080,-		950-117	70,-	963-128	80,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

Price reduction

* Only while stocks last



High-quality precision balance with convenient graphics display

Features

- Rapid and efficient operation** thanks to the graphics display
- Simple plain text user guidance in the display** in the following languages: German, English, French, Italian, Spanish, Portuguese
- 1 Active application
- 2 Current date
- 3 Current time
- 4 Operation step to be carried out
- 5 Capacity display
- Automatic internal adjustment** in the case of a change in temperature $> 1,5^{\circ}\text{C}$ or time-controlled every 20 minutes
- Percentage determination:** makes it possible to store a given weight value (100%) and to

determine deviations from this target value

- Weighing with tolerance range**, ideal for portion division, dispensing, grading
- Dynamic weighing:** at the push of a button, a stable average weight is given when the environmental conditions are unstable
- GLP/ISO record keeping** of weight values with date, time and serial number
- 5 **Ring-shaped draft shield** standard for models with weighing plate sizes A
- UNITS:** Further weighing units see the internet

Technical data

- Large backlit LCD display, digit height 17 mm

• Dimensions of weighing plate

- A $\varnothing 110 \text{ mm}$
- B $\varnothing 160 \text{ mm}$

- Overall dimensions WxDxH 210x340x160 mm
- Net weight approx. 4 kg
- Permissible ambient temperature $5^{\circ}\text{C} / 35^{\circ}\text{C}$

Options

- Protective working cover**, KERN PLJ-A01, € 25,-
- Matrix needle printer**, KERN 911-013, € 330,-
- Thermal printer**, KERN YKB-01N, € 240,-

For additional information on the printers see page 124

STANDARD



STANDARD



OPTION

Model	Weighing range [Max] g	Readout [d] g	Repro- ducibility g	Linearity g	Min. piece weight [PW min] g/piece	Weighing plate	Price excl. of VAT ex works €	Option	
								DKD KERN	DKD Calibr. Certificate
KERN									
PLT 720-3A	720	0,001	0,001	$\pm 0,002$	0,005	A	1010,-	963-127	65,-
PLT 1200-3A	1200	0,001	0,001	$\pm 0,003$	0,005	A	1110,-	963-127	65,-
PLT 4200-2F	4200	0,01	0,01	$\pm 0,04$	0,05	B	750,-	963-127	65,-
PLT 6200-2A	6200	0,01	0,01	$\pm 0,03$	0,05	B	1050,-	963-128	80,-