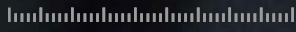


## PRECISION BALANCES

# 2017



PROFESSIONAL  
MEASURING



# KERN Pictograms

	<b>Internal adjusting:</b> Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).		<b>Piece counting:</b> Reference quantities selectable. Display can be switched from piece to weight.		<b>Rechargeable battery pack:</b> Rechargeable set.
	<b>Adjusting program CAL:</b> For quick setting up of the balance's accuracy. External adjusting weight required.		<b>Recipe level A:</b> Separate memory for the weight of the tare container and the recipe ingredients (net total).		<b>Universal mains adapter:</b> with universal input and optional input socket adapters for A) EU, GB B) EU, GB, CH, USA C) EU, GB, CH, USA, AUS
	<b>Memory:</b> Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.		<b>Recipe level B:</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.		<b>Mains adapter:</b> 230V/50Hz in standard version for EU. On request GB, USA or AUS version available.
	<b>Alibi memory:</b> Electronic archiving of weighing results, complying with the 2009/23/EC standard. For details see page 199		<b>Recipe level C:</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, multiplier function, adjustment of recipe when dosages are exceeded or barcode recognition.		<b>Power supply:</b> Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request.
	<b>Data interface RS-232:</b> To connect the balance to a printer, PC or network.		<b>Totalising level A:</b> The weights of similar items can be added together and the total can be printed out.		<b>Weighing principle: Strain gauges</b> Electrical resistor on an elastic deforming body.
	<b>RS-485 data interface:</b> To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.		<b>Percentage determination:</b> Determining the deviation in % from the target value (100 %).		<b>Weighing principle: Tuning fork</b> A resonating body is electromagnetically excited, causing it to oscillate.
	<b>USB data interface:</b> To connect the balance to a printer, PC or other peripherals.		<b>Weighing units:</b> Can be switched to e.g. nonmetric units at the touch of a key. See balance model. Please refer to KERN's website for more details.		<b>Weighing principle: Electromagnetic force compensation</b> Coil inside a permanent magnet. For the most accurate weighings.
	<b>Bluetooth* data interface:</b> To transfer data from the balance to a printer, PC or other peripherals.		<b>Weighing with tolerance range:</b> Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning		<b>Weighing principle: Single cell technology</b> Advanced version of the force compensation principle with the highest level of precision.
	<b>WLAN data interface:</b> To transfer data from the balance to a printer, PC or other peripherals.		<b>Hold function:</b> (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.		<b>Verification possible:</b> The time required for verification is specified in the pictogram.
	<b>Control outputs (optocoupler, digital I/O):</b> To connect relays, signal lamps, valves, etc.		<b>Protection against dust and water splashes IPxx:</b> The type of protection is shown in the pictogram. For details see page 56.		<b>DAKkS calibration possible (DKD):</b> The time required for DAKkS calibration is shown in days in the pictogram.
	<b>Interface for second balance:</b> For direct connection of a second balance.		<b>ATEX explosion protection:</b> Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.		<b>Package shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram.
	<b>Network interface:</b> For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter. See page 166		<b>Stainless steel:</b> The balance is protected against corrosion.		<b>Pallet shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram.
	<b>Wireless data transfer:</b> between the weighing unit and the evaluation unit using an integrated radio module.		<b>Suspended weighing:</b> Load support with hook on the underside of the balance.		<b>Warranty:</b> The warranty period is shown in the pictogram.
	<b>GLP/ISO log:</b> The balance displays the weight, date and time, regardless of a printer connection.		<b>Battery operation:</b> Ready for battery operation. The battery type is specified for each device.		
	<b>GLP/ISO log:</b> With weight, date and time. Only with KERN printers, see "Accessories", see page 163.				



**Balances & Test service catalogue**

Provides a complete overview of the KERN line of balances, test weights, and services such as verification, calibration, etc.



**Medical scales catalogue**

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



**Microscopes & refractometers catalogue**

Extensive range in the area of optical instruments, such as, for example, biological microscopes, stereo microscopes, metallurgical microscopes, polarisation microscopes as well as analogue and digital refractometers.



**SAUTER measuring equipment catalogue**

Test instruments for industry and commerce, such as force, coating thickness, material thickness and calibration service.



**DAkkS calibration service brochure**

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

**Your advantages**

**fast**

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

**reliable**


- 3 years warranty for balances over € 400,-
- Precision in weighing technology for more than 170 years


**competent**

- DAkkS accreditation DIN EN ISO/IEC 17025
- Certified QM system DIN EN ISO 9001:2008
- Authorisation for initial verification by the manufacturer 2014/31/EU
- Medical certifications DIN EN ISO 13485 and 93/42/EEC


**versatile**

- One-stop shopping: from pocket balances through to floor scales – everything from one supplier
- Find the product you want at lightning speed with the “Balance Quick-Finder” at [www.kern-sohn.com](http://www.kern-sohn.com)


 **Order hotline**  
+49 [0] 7433 9933-0


 **Service hotline**  
+49 [0] 7433 9933-199


 **Calibration hotline**  
+49 [0] 7433 9933-196

 **Our team of consultants will assist you**  
from Monday to Friday  
from 8:00 am to 6:00 pm

 **Online Shop**  
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+49 [0] 7433 9933-146

 **[www.kern-sohn.com](http://www.kern-sohn.com)**  
Information on current product availability, product data sheets, user instructions, useful knowledge, technical glossary, images and much for you to download, practical topic areas, which will guide you to the right product in your industry as well as a clever test weight and balance search engine.






## Precision balances

Here you'll find a complete summary of the KERN laboratory scales series and their positioning within the precision scales segment on the basis of application, price-performance ratio and functional volume

### PREMIUM LABORATORY BALANCES

	PET	★★★★
	PBS-J	★★★
	PES-J	★★




### STANDARD LABORATORY BALANCES

	572	★★★★
	PNS-J	★★★
	PLS-J	★★
	EG-N	★
	PLJ-C	


### BASIC LABORATORY BALANCES

	PCB	★★★★
	PCD	★★★
	PFB	★★
	440	★
	KB	
	PLE	
	EWJ	

### SCHOOL BALANCES





	EMB-S	★★★★
	EMB	★★★
	EMS	★★

### SPECIAL EQUIPMENT

	EMB-V	★★★
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#### Your product specialist's recommendation:

-  **High resolution precision balance**
-  **Display device can be detached**
-  **Ideal when weighing in a glove bag or bulky items**
-  **4 new models**



**Corinna Klaas**  
Product specialist Precision balances

Tel. +49 [0] 7433 9933-215  
Fax +49 [0] 7433 9933-29215  
klaass@kern-sohn.com

from €  
**190,-**  
▶ page 16

**KERN PCD**





# Quick-Finder Precision balances











Readout [d]	Weighing range [Max]	Model KERN	Price excl. of VAT ex works €	Page											For an explanation on the pictos, see the front flap									
0,01 g	2200 g	PEJ 2200-2M	1040,-	29	1		○	●			●	●	●											
0,01 g	2400 g	KB 2400-2N	290,-	21	1			●		●	●			○										
0,01 g	2400 g	572-35	500,-	23	1			●		●	●			○										
0,01 g	2500 g	PCD 2500-2	295,-	16	1			●		●	●		●	○										
0,01 g	2500 g	PCB 2500-2	290,-	17	1			●		●	●		●	○										
0,01 g	2500 g	PET 2500-2M	2400,-	30	21	○	●			●	●	●												
0,01 g	3000 g	EMS 3000-2	240,-	15	1			●		●	●		●											
0,01 g	3000 g	PFB 3000-2	280,-	19	1			●		●	●													
0,01 g	3000 g	EWJ 3000-2	445,-	22	1		●			●	●			○										
0,01 g	3000 g	572-37	510,-	23	1			●		●	●			○										
0,01 g	3100 g	PLJ 3000-2FM	600,-	24	1	○	●			●	●	●												
0,01 g	3200 g	PNS 3000-2	580,-	25	1			●		●	●	●												
0,01 g	3200 g	PNJ 3000-2M	705,-	25	1	○	●			●	●	●												
0,01 g	3500 g	PCD 3000-2	350,-	16	1			●		●	●		●	○										
0,01 g	3500 g	PCB 3500-2	300,-	17	1			●		●	●		●	○										
0,01 g	3500 g	PLJ 3000-2CM	730,-	26	1	○	●			●	●	●												
0,01 g	3600 g	KB 3600-2N	310,-	21	1			●		●	●			○										
0,01 g	4200 g	PLE 4200-2N	450,-	20	1			●		●	●	●		○										
0,01 g	4200 g	572-39	520,-	23	1			●		●	●			○										
0,01 g	4200 g	PLS 4200-2F	590,-	24	1			●		●	●	●												
0,01 g	4200 g	PLJ 4200-2F	690,-	24	1		●			●	●	●												
0,01 g	4200 g	EW 4200-2NM	760,-	27	1			●		●	●	●		○										
0,01 g	4200 g	EG 4200-2NM	880,-	27	1	○	●			●	●	●		○										
0,01 g	4200 g	PBS 4200-2M	1150,-	28	1			●		●	●	●												
0,01 g	4200 g	PBJ 4200-2M	1420,-	28	1	○	●			●	●	●												
0,01 g	4200 g	PEJ 4200-2M	1230,-	29	1	○	●			●	●	●												
0,01 g	4200 g	PES 4200-2M	1000,-	29	1			●		●	●	●		○										
0,01 g	6000 g	PET 6000-2M	2600,-	30	21	○	●			●	●	●												
0,01 g	6200 g	PLS 6200-2A	870,-	24	1			●		●	●	●												
0,01 g	6200 g	PLJ 6200-2A	990,-	24	1		●			●	●	●												
0,01 g	6200 g	PLJ 6200-2AM	1050,-	24	1	○	●			●	●	●												
0,01 g	6200 g	EW 6200-2NM	810,-	27	1			●		●	●	●		○										
0,01 g	6200 g	PBS 6200-2M	1380,-	28	1			●		●	●	●												
0,01 g	6200 g	PBJ 6200-2M	1720,-	28	1	○	●			●	●	●												
0,01 g	6200 g	PES 6200-2M	1240,-	29	1			●		●	●	●		○										
0,01 g	8200 g	PLS 8000-2A	1050,-	24	1			●		●	●	●												
0,05 g	6000 g	PFB 6K0.05	250,-	19	1			●		●	●													
0,05 g	10000 g	KB 10K0.05N	280,-	21	1			●		●	●			○										
0,05 g	12000 g	572-45	490,-	23	1			●		●	●			○										
0,05 g	20000 g	572-55	520,-	23	1			●		●	●			○										
0,1 g	200 g	EMB 200-1SS05*	200,-	12	1			●		●	●		●											
0,1 g	400 g	440-43N	185,-	18	1			●		●	●		●	○										
0,1 g	500 g	EMB 500-1SS05*	225,-	12	1			●		●	●		●											
0,1 g	500 g	EMB 500-1	57,-	13	1			●		●	●		●											
0,1 g	500 g	EMB 500-1BE	57,-	13	1			●		●	●		●											
0,1 g	600 g	PFB 600-1M	360,-	19	1	○		●		●	●													
0,1 g	1000 g	PCB 1000-1	185,-	17	1			●		●	●		●	○										
0,1 g	1000 g	440-45N	245,-	18	1			●		●	●		●	○										
0,1 g	1200 g	EMB 1200-1	80,-	13	1			●		●	●		●											
0,1 g	2000 g	PCB 2000-1	215,-	17	1			●		●	●		●	○										
0,1 g	2000 g	440-47N	270,-	18	1			●		●	●		●	○										
0,1 g	3000 g	EMB 3000-1	125,-	13	1			●		●	●		●											
0,1 g	4000 g	440-49N	330,-	18	1			●		●	●		●	○										
0,1 g	6000 g	EMB 6000-1	160,-	13	1			●		●	●		●											
0,1 g	6000 g	EMS 6K0.1	160,-	15	1			●		●	●		●											
0,1 g	6000 g	PCD 6K-4	260,-	16	1			●		●	●		●	○										
0,1 g	6000 g	PCB 6000-1	240,-	17	1			●		●	●		●	○										
0,1 g	6000 g	440-49A	365,-	18	1			●		●	●		●	○										
0,1 g	6000 g	PFB 6000-1	220,-	19	1			●		●	●													
0,1 g	6000 g	PFB 6000-1M	290,-	19	1	○		●		●	●													
0,1 g	6000 g	EWJ 6000-1SM	365,-	22	1	○	●			●	●			○										
0,1 g	6000 g	EWJ 6000-1M	400,-	22	1	○	●			●	●			○										
0,1 g	6000 g	PLJ 6000-1GM	540,-	26	1	○	●			●	●	●												
0,1 g	6500 g	KB 6500-1NM	330,-	21	1	○		●		●	●			○										
0,1 g	6500 g	573-46NM	570,-	23	1	○		●		●	●			○										
0,1 g	8200 g	PBJ 8200-1M	1410,-	28	1	○	●			●	●	●												
0,1 g	10000 g	PCD 10K0.1	240,-	16	1			●		●	●		●	○										
0,1 g	10000 g	PCB 10000-1	245,-	17	1			●		●	●		●	○										
0,1 g	10000 g	KB 10000-1N	270,-	21	1			●		●	●			○										
0,1 g	10000 g	572-43	480,-	23	1			●		●	●			○										
0,1 g	12000 g	EMS 12K0.1	205,-	15	1			●		●	●		●											
0,1 g	12000 g	PNS 12000-1	570,-	25	1			●		●	●		●											

NEW 2017

\*Set of 5 units

● = standard ○ = option

# Quick-Finder Precision balances

Readout [d]	Weighing range [Max]	Model KERN	Price excl. of VAT ex works €	Page										
0,1 g	12000 g	PNJ 12000-1M	695,-	25	1	○	●			●	●	●		
0,1 g	12000 g	EW 12000-1NM	635,-	27	1			●		●	●	●		○
0,1 g	15000 g	PES 15000-1M	1190,-	29	1			●		●	●	●		○
0,1 g	16000 g	572-49	490,-	23	1			●		●	●	●		○
0,1 g	20000 g	PLS 20000-1F	590,-	24	1			●		●	●	●		○
0,1 g	24000 g	572-57	500,-	23	1			●		●	●	●		○
0,1 g	31000 g	PES 31000-1M	2050,-	29	1			●		●	●	●		○
1 g	2000 g	EMB 2000-OSS05*	200,-	12	1			●					●	
1 g	2200 g	EMB 2200-0	60,-	13	1			●					●	
1 g	4000 g	440-51N	160,-	18	1			●	●	●			●	○
1 g	5000 g	EMB 5000-OSS05*	225,-	12	1			●					●	
1 g	5200 g	EMB 5.2K1	62,-	13	1			●					●	
1 g	6000 g	EMS 6K1	70,-	15	1			●		●			●	
1 g	6000 g	PCB 6000-0	130,-	17	1			●	●	●			●	○
1 g	6000 g	440-53N	180,-	18	1			●	●	●			●	○
1 g	6000 g	PFB 6000-0M	350,-	19	1	○		●	●	●			●	
1 g	10000 g	PCD 10K-3	190,-	16	1			●	●	●			●	○
1 g	12000 g	EMS 12K1	95,-	15	1			●		●			●	
5 g	5200 g	EMB 5.2K5	55,-	13	1			●					●	

NEW 2017

\*Set of 5 units

● = standard ○ = option



## The space miracle – stackable school balance for experiment-based teaching

### Features

- **Simple and convenient 2-key operation**
- **Tare function** facilitates formulation work
- **Particularly flat design**
- **Secure and non-slip positioning** with rubber feet
- **1** Stackable for space-saving storage
- **2** A practical **transport safety lock** prevents the weighing technology from being overloaded when stored or during transportation
- **Hook for underfloor weighing** standard

### Technical data

- Large LCD display, digit height 15 mm
- Dimensions weighing surface, plastic,  $\varnothing$  120 mm
- Overall dimensions W×D×H 145×205×45 mm
- Net weight approx. 0,5 kg/piece
- Optional battery operation, 2×1.5 V AA, standard, operating time up to 35 h, AUTO-OFF function to preserve the battery
- Permissible ambient temperature 5 °C/35 °C
- **Note:** The models are only delivered in a set of 5 units. i.e. the price given in the table refers to a delivery of 5 items. Cannot be delivered individually. The calibration prices given here refer to calibration of a single balance

### Accessories

- **External universal mains adapter**, with universal input and optional input socket adapters for EU, GB, USA, not included, KERN YKA-03, € 31,-

#### STANDARD



#### OPTION



Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Price set of 5 units excl. of VAT ex works €	Option	
						DAkKS Calibr. Certificate DKD KERN	1 Piece €
EMB 200-1SS05	200	0,1	0,2	± 0,3	200,-	963-127	72,-
EMB 500-1SS05	500	0,1	0,2	± 0,3	225,-	963-127	72,-
EMB 2000-OSS05	2000	1	2	± 3	200,-	963-127	72,-
EMB 5000-OSS05	5000	1	2	± 3	225,-	963-127	72,-





## Entry level laboratory balance with tremendous weighing performance

### Features

- **Simple and convenient 2-key operation**
- **Tare function** facilitates formulation work
- **Particularly flat design**
- Ready for use: Batteries included
- **1 Ring-shaped draught shield** standard, only for models with weighing plate size **A**, weighing space  $\phi \times H$  96×35 mm
- **2** Note: KERN EMB 500-1BE Black Edition

### Technical data

- Large LCD display, digit height 15 mm
- Dimensions weighing surface
  - A**  $\phi$  82 mm
  - B**  $\phi$  105 mm
  - C**  $\phi$  150 mm, see larger picture
- Weighing plate material
  - A** plastic, with conductive lacquer
  - B, C** plastic
- Net weight approx. 0,75 kg
- Permissible ambient temperature 5 °C/35 °C

### Accessories

- **3 Stainless steel weighing plate**, only for models with weighing plate size **B**, KERN EMB-A02, **€ 26,-**
- **4 Stack frame** for space-saving storage of precision balances from the KERN range, scope of delivery 5 pieces, for models with housing dimensions W×D×H
  - 170×240×39 mm: KERN EMB-A07, **€ 40,-**
  - 170×240×54 mm: KERN EMB-A09, **€ 40,-**
- **External universal mains adapter**, with universal input and optional input socket adapters for EU, GB, USA, not included, KERN YKA-03, **€ 31,-**

STANDARD

CAL EXT UNDER BATT DMS 1 DAY WARRANTY 2 YEARS

OPTION

B MULTI DAKKS +3 DAYS

Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Dimensions housing W×D×H mm	Weighing plate	Price € excl. of VAT ex works €	Option DAkKS Calibr. Certificate	
								DKD KERN	€
<b>EMB 100-3</b>	100	0,001	0,001	± 0,005	170×240×54	<b>A</b>	<b>195,-</b>	963-127	72,-
<b>EMB 200-3</b>	200	0,001	0,001	± 0,005	170×240×54	<b>A</b>	<b>210,-</b>	963-127	72,-
<b>EMB 200-2</b>	200	0,01	0,01	± 0,02	170×240×39	<b>B</b>	<b>125,-</b>	963-127	72,-
<b>EMB 600-2</b>	600	0,01	0,01	± 0,03	170×240×39	<b>B</b>	<b>160,-</b>	963-127	72,-
<b>EMB 1000-2</b>	1000	0,01	0,01	± 0,05	170×240×54	<b>C</b>	<b>195,-</b>	963-127	72,-
<b>EMB 2000-2</b>	2000	0,01	0,01	± 0,05	170×240×54	<b>C</b>	<b>205,-</b>	963-127	72,-
<b>EMB 500-1</b>	500	0,1	0,1	± 0,2	170×240×39	<b>C</b>	<b>57,-</b>	963-127	72,-
<b>EMB 500-1BE</b>	500	0,1	0,1	± 0,2	170×240×39	<b>C</b>	<b>57,-</b>	963-127	72,-
<b>EMB 1200-1</b>	1200	0,1	0,1	± 0,3	170×240×39	<b>C</b>	<b>80,-</b>	963-127	72,-
<b>EMB 3000-1</b>	3000	0,1	0,1	± 0,3	170×240×39	<b>C</b>	<b>125,-</b>	963-127	72,-
<b>EMB 6000-1</b>	6000	0,1	0,1	± 0,3	170×240×39	<b>C</b>	<b>160,-</b>	963-128	88,-
<b>EMB 2200-0</b>	2200	1	1	± 2	170×240×39	<b>C</b>	<b>60,-</b>	963-127	72,-
<b>EMB 5.2K1</b>	5200	1	1	± 3	170×240×39	<b>C</b>	<b>60,-</b>	963-128	88,-
<b>EMB 5.2K5</b>	5200	5	5	± 10	170×240×39	<b>C</b>	<b>55,-</b>	963-128	88,-



## Compact laboratory balance with integrated density determination function

### Features

- **Density determination made easy!** Thanks to the self-explanatory, graphic-assisted control panel, the density of solids and liquids can be determined in seconds, making them ideal for use in schools and universities
- **Self-explanatory graphic control panel**, the workings steps can be understood immediately, even without operating instructions
  - no learning time = reduces costs
  - ideal for untrained users
  - visualised process avoids operating errors
- **The 4 steps are carried out from left to right:**
  - 1 Tare the balance by pressing the [TARE] key
  - 2 Select density determination mode (solids/liquids)
  - 3 Weighing of samples/plummets in air
  - 4 Weighing of samples/plummets in liquid
 The density will be shown on the display right away

- **Particularly flat design**
- **Hook for underfloor weighing** standard
- Ready for use: Batteries included, 9 V block, operating time up to 12 h, AUTO-OFF function to preserve the battery
- **Note: Balance and appropriate set for density determination should be ordered at the same time, see accessories**

### Technical data

- Large LCD display, digit height 15 mm
- Dimensions weighing surface, plastic
  - A  $\varnothing$  82 mm
  - B  $\varnothing$  150 mm, see larger picture
- Overall dimensions WxDxH 175x245x54 mm
- Net weight approx. 0,85 kg
- Permissible ambient temperature 5 °C/35 °C
- **Now also with carat weighing unit:**  
 EMB 200-3V: 1000 ct/0,005 ct  
 EMB 2000-2V: 10000 ct/0,05 ct

### Accessories

- KERN EMB 200-3V:**
- **5 Set for density determination** of liquids and solids with density  $\leq/\geq$  1. Scope of delivery: Weighing plate, beaker (Hx $\varnothing$  71x51 mm), sample holder, plummet, KERN YDB-01, **€ 215,-**
  - **DAKKS-Calibration certificate** for the plummet (200 g), KERN 962-335V, **€ 143,-**
- KERN EMB 2000-2V:**
- **6 Set for density determination** of liquids and solids with density  $\leq/\geq$  1. Scope of delivery: Weighing plate, beaker (Hx $\varnothing$  135x100 mm), sample holder, plummet, KERN YDB-02, **€ 330,-**
  - **DAKKS-Calibration certificate** for the plummet (200 g), KERN 962-338V, **€ 141,-**

STANDARD								OPTION	

Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Option DAKKS Calibr. Certificate	
							DKD KERN	€
EMB 200-3V	200	0,001	0,002	$\pm$ 0,005	A	250,-	963-127	72,-
EMB 2000-2V	2000	0,01	0,02	$\pm$ 0,05	B	250,-	963-127	72,-



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

### Features

- Especially suitable for use in schools and universities, for example for biology, chemistry, physics
- **Large, shock proof weighing plate made of plastic**
- **Particularly flat design**
- **Ergonomically optimised key pad** with large keys and a high-contrast LCD display
- **Secure and non-slip positioning** with rubber feet
- **Adjusting program CAL** for quick setting of the balance accuracy, external test weights at an additional price
- **1 Draught shield** standard for models with weighing plate size **A**, Weighing space W×D×H 145×145×65 mm

### Technical data

- Large LCD display, digit height 25 mm
- Dimensions weighing surface
  - A** ø 105 mm
  - B** W×D 175×190 mm, see larger picture
- Weighing plate material
  - A** plastic, with conductive lacquer
  - B** plastic
- Dimensions housing W×D×H 200×280×63 mm
- Optional battery operation, 9 V block not included, operating time up to 40 h, AUTO-OFF function to preserve the battery
- External mains adapter standard
- Net weight approx. 1,4 kg
- Permissible ambient temperature 5 °C/35 °C

### Accessories

- **2 Stainless steel weighing plate**, only for models with weighing plate size **B**, KERN EMS-A01, € 30,-

#### STANDARD



#### OPTION



Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Option	
							DAkkS Calibr. Certificate	€
KERN							<b>DKD</b> KERN	
EMS 300-3	300	0,001	0,002	± 0,005	<b>A</b>	<b>260,-</b>	963-127	72,-
EMS 3000-2	3000	0,01	0,02	± 0,05	<b>B</b>	<b>240,-</b>	963-127	72,-
EMS 6K0.1	6000	0,1	0,1	± 0,3	<b>B</b>	<b>160,-</b>	963-128	88,-
EMS 12K0.1	12000	0,1	0,1	± 0,3	<b>B</b>	<b>205,-</b>	963-128	88,-
EMS 6K1	6000	1	1	± 3	<b>B</b>	<b>70,-</b>	963-128	88,-
EMS 12K1	12000	1	1	± 3	<b>B</b>	<b>95,-</b>	963-128	88,-



## High-resolution precision balance with removable display for maximum flexibility

### Features

- Laboratory balance with separate platform: Ideal when working in the glove bag or fume cupboard. Particularly practical for weighing toxic, volatile or contaminated substances
- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **Freely programmable weighing unit**, e.g. display direct in special units such as length of thread g/m, paper weight g/m<sup>2</sup>, or similar
- **Level indicator and levelling feet** for precise levelling of the scale, fitted as standard, to give the most accurate weighing result
- **1 Draught shield** standard for models with weighing plate size **A**, Weighing space W×D×H 146×146×80 mm

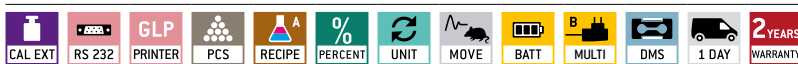
### Technical data

- Large backlit LCD display, digit height 21 mm
- Dimensions weighing surface
  - A** ø 105 mm
  - B** W×D 160×160 mm
- Weighing plate material
  - A** plastic, with conductive lacquer
  - B** stainless steel
- Optional battery operation, 9 V block not included, operating time up to 12 h, AUTO-OFF function to preserve the battery
- Overall dimensions W×D×H 165×280×75 mm
- Cable length of display device approx. 1,2 m
- Net weight approx. 1,2 kg
- Permissible ambient temperature 5 °C/35 °C

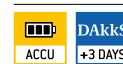
### Accessories

- **Protective working cover** over the display device, standard, scope of delivery: 5 items, KERN PCD-A05S05, **€ 30,-**
- **2 Stand** to elevate display device, height of stand approx. 250 mm, can be retrofitted, KERN PCD-A03, **€ 50,-**
- **3 Foot switch**, ideal when the application requires two free hands. TARE or PRINT function can be selected. Scope of delivery: foot switch, junction box, connection cable. For the PRINT function you will need the RS-232 interface cable, KERN YKF-01, **€ 80,-**
- **Rechargeable battery pack internal**, operating time up to 24 h without backlight, charging time approx. 10 h, KERN PCD-A04, **€ 50,-**
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Option	
							DAkKS Calibr. Certificate	€
KERN							<b>DKD</b> KERN	
PCD 250-3	250	0,001	0,002	± 0,005	<b>A</b>	<b>305,-</b>	963-127	72,-
PCD 300-3 <small>NEW</small>	350	0,001	0,002	± 0,005	<b>A</b>	<b>350,-</b>	963-127	72,-
PCD 2500-2	2500	0,01	0,02	± 0,05	<b>B</b>	<b>295,-</b>	963-127	72,-
PCD 3000-2 <small>NEW</small>	3500	0,01	0,02	± 0,05	<b>B</b>	<b>350,-</b>	963-127	72,-
PCD 6K-4 <small>NEW</small>	6000	0,1	0,1	± 0,3	<b>B</b>	<b>260,-</b>	963-128	88,-
PCD 10K0.1	10000	0,1	0,1	± 0,3	<b>B</b>	<b>240,-</b>	963-128	88,-
PCD 10K-3 <small>NEW</small>	10000	1	1	± 3	<b>B</b>	<b>190,-</b>	963-128	88,-

NEW New model





## The standard in the laboratory

### Features

- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **Freely programmable weighing unit**, e.g. display direct in special units such as length of thread g/m, paper weight g/m<sup>2</sup>, or similar
- With the **recipe** function you can weigh the different ingredients of a mixture. As a check, you can also call up the total weight of all the ingredients
- **Plus/minus weighing procedures**
- **Ring-shaped draught shield** standard, only for models with weighing plate size **A**, weighing space  $\varnothing \times H$  90×40 mm

### Technical data

- Backlit LCD display, digit height 15 mm
- Dimensions weighing surface
  - A**  $\varnothing$  81 mm
  - B**  $\varnothing$  105 mm
  - C** W×D 130×130 mm
  - D** W×D 150×170 mm, see larger picture
- Weighing plate material
  - A** plastic, with conductive lacquer
  - B, C, D** stainless steel
- Optional battery operation, 9 V block not included, operating time up to 12 h
- AUTO-OFF function to preserve the battery
- Overall dimensions W×D×H 163×245×79 mm (without draught shield)
- Permissible ambient temperature 5 °C/35 °C

### Accessories

- **Protective working cover**, can be re-ordered, standard, scope of delivery: 5 items, for models with weighing plate size
  - A** KERN PCB-A02S05, € 30,-
  - B** KERN PCB-A03S05, € 35,-
  - C** KERN PCB-A04S05, € 30,-
  - D** KERN PCB-A05S05, € 30,-
- **Rechargeable battery pack internal**, operating time up to 48 h without backlight, charging time approx. 8 h, KERN PCB-A01, € 75,-
- **Balance Connection Software**, KERN SCD-4.0, € 150,-
- **Individual header data**: the free software SHM-01 can be used to print 4 header lines on the printout when using printers 911-013, YKN-01, YKB-01N, YKE-01 and YKC-01 (in combination with YKI-02)
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, € 290,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

#### STANDARD



#### OPTION



Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Option	
							DAkKS Calibr. Certificate	
KERN							DKD KERN	€
PCB 100-3	100	0,001	0,001	± 0,003	A	265,-	963-127	72,-
PCB 250-3	250	0,001	0,001	± 0,005	A	290,-	963-127	72,-
PCB 350-3	350	0,001	0,002	± 0,005	A	300,-	963-127	72,-
PCB 200-2	200	0,01	0,01	± 0,02	B	230,-	963-127	72,-
PCB 1000-2	1000	0,01	0,01	± 0,03	C	255,-	963-127	72,-
PCB 2500-2	2500	0,01	0,01	± 0,05	C	290,-	963-127	72,-
PCB 3500-2	3500	0,01	0,02	± 0,05	C	300,-	963-127	72,-
PCB 1000-1	1000	0,1	0,1	± 0,2	C	185,-	963-127	72,-
PCB 2000-1	2000	0,1	0,1	± 0,2	C	215,-	963-127	72,-
PCB 6000-1	6000	0,1	0,1	± 0,3	D	240,-	963-128	88,-
PCB 10000-1	10000	0,1	0,1	± 0,3	D	245,-	963-128	88,-
PCB 6000-0	6000	1	1	± 2	D	130,-	963-128	88,-





## The classic balance in the laboratory

### 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
- **Ring-shaped draught shield** standard, only for models with weighing plate size **A**, weighing space  $\varnothing \times H$  90×40 mm

### Technical data

- Backlit LCD display, digit height 15 mm
- Dimensions weighing surface
  - A**  $\varnothing$  81 mm
  - B**  $\varnothing$  105 mm
  - C** W×D 130×130 mm
  - D** W×D 150×170 mm, see larger picture
- Weighing plate material
  - A** plastic, with conductive lacquer
  - B, C, D** stainless steel
- Optional battery operation, 9 V block not included, operating time up to 12 h, AUTO-OFF function to preserve the battery
- Overall dimensions W×D×H 165×230×80 mm
- Net weight approx. 0,95 kg
- Permissible ambient temperature 5 °C/35 °C

### Accessories

- **Protective working cover**, can be re-ordered, standard, scope of delivery: 5 items, for models with weighing plate size
  - A** KERN 440-210-002S05, **€ 30,-**
  - B** KERN 440-330-002S05, **€ 30,-**
  - C** KERN 440-450-002S05, **€ 30,-**
  - D** KERN 440-530-002S05, **€ 35,-**
- **Rechargeable battery pack internal**, operating time up to 20 h without backlight, charging time approx. 10 h, KERN FCB-A01, **€ 50,-**
- **Individual header data**: the free software SHM-01 can be used to print 4 header lines on the printout when using printers 911-013, YKN-01, YKB-01N, YKE-01 and YKC-01 (in combination with YKI-02)
- **Hook for underfloor weighing**, optional, KERN 440-A01, **€ 25,-**
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

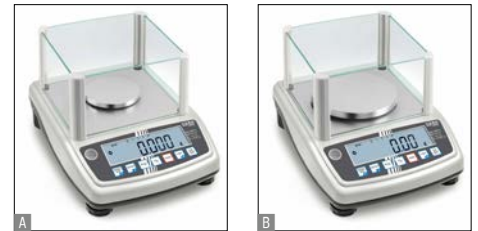
STANDARD



OPTION



Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Option	
							DAkkS Calibr. Certificate	DKD KERN €
<b>440-21A</b>	60	0,001	0,001	± 0,003	<b>A</b>	<b>350,-</b>	963-127	72,-
<b>440-33N</b>	200	0,01	0,01	± 0,02	<b>B</b>	<b>290,-</b>	963-127	72,-
<b>440-35N</b>	400	0,01	0,01	± 0,03	<b>B</b>	<b>330,-</b>	963-127	72,-
<b>440-35A</b>	600	0,01	0,01	± 0,03	<b>B</b>	<b>365,-</b>	963-127	72,-
<b>440-43N</b>	400	0,1	0,1	± 0,2	<b>C</b>	<b>185,-</b>	963-127	72,-
<b>440-45N</b>	1000	0,1	0,1	± 0,2	<b>C</b>	<b>245,-</b>	963-127	72,-
<b>440-47N</b>	2000	0,1	0,1	± 0,2	<b>C</b>	<b>270,-</b>	963-127	72,-
<b>440-49N</b>	4000	0,1	0,1	± 0,3	<b>D</b>	<b>330,-</b>	963-127	72,-
<b>440-49A</b>	6000	0,1	0,1	± 0,3	<b>D</b>	<b>365,-</b>	963-128	88,-
<b>440-51N</b>	4000	1	1	± 2	<b>D</b>	<b>160,-</b>	963-127	72,-
<b>440-53N</b>	6000	1	1	± 2	<b>D</b>	<b>180,-</b>	963-128	88,-



## Quick-displaying precision balance with user-friendly operation modes and EC type approval [M]

### Features

- **Easy to 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 levelling feet** for precise levelling of the scale, fitted as standard, to give the most accurate weighing result
- **Draught shield** standard for models with weighing plate size **A** and **B**, Weighing space W×D×H 158×143×64 mm
- **1** Separate second display standard for models PFB 600-1M and PFB 6000-0M. Suitable for direct sales to the public. The verification value is the same as the readout. Large backlit LCD

display, digit height 16,5 mm. Interface cable to the balance, cable length approx. 1,5 m, standard. Dimensions W×D×H 177×85×45 mm

### Technical data

- Backlit LCD display, digit height 15 mm
- Dimensions weighing surface, stainless steel  
**A** ø 80 mm  
**B** ø 120 mm  
**C** W×D 155×145 mm, see larger picture
- Overall dimensions W×D×H 200×260×87 mm (without draught shield)
- Net weight approx. 1,2 kg
- Permissible ambient temperature  
 KERN PFB: 15 °C/30 °C  
 KERN PFB-M: 15 °C/30 °C

### Accessories

- **2 Separate second display,** ideal for training and demonstration purposes in laboratories or industry, not permitted for direct sales to the public, KERN PFB-A08, € 115,-
- **Bluetooth data interface** for wireless data transfer to PC or tablets, must be ordered at purchase, Bluetooth 2.0: KERN PFB-A10, € 95,- Bluetooth 4.0: KERN PFB-A11, € 115,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL EXT   RS 232   GLP   PRINTER   PCS   RECIPE   PERCENT   MULTI   DMS   1 DAY WARRANTY

OPTION

DAkks +3 DAYS

FACTORY

BT   M +3 DAYS PFB-M

Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Options			
								Verification		DAkks Calibr. Certificate	
KERN								M KERN	€	DKD KERN	€
PFB 120-3	120	0,001	-	-	± 0,003	A	280,-	-	-	963-127	72,-
PFB 200-3	200	0,001	-	-	± 0,003	A	290,-	-	-	963-127	72,-
PFB 300-3	300	0,001	-	-	± 0,003	A	320,-	-	-	963-127	72,-
PFB 1200-2	1200	0,01	-	-	± 0,03	B	245,-	-	-	963-127	72,-
PFB 2000-2	2000	0,01	-	-	± 0,03	B	255,-	-	-	963-127	72,-
PFB 3000-2	3000	0,01	-	-	± 0,03	B	280,-	-	-	963-127	72,-
PFB 6K0.05	6000	0,05	-	-	± 0,15	C	250,-	-	-	963-128	88,-
PFB 6000-1	6000	0,1	-	-	± 0,3	C	220,-	-	-	963-128	88,-
Note: For applications that require verification, please order verificati on 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.											
PFB 600-2M	600	0,01	0,1	0,5	± 0,02	B	290,-	965-216	66,-	963-127	72,-
PFB 600-1M	600	0,1	0,1	5	± 0,1	B	360,-	965-216	66,-	963-127	72,-
PFB 6000-1M	6000	0,1	1	5	± 0,3	C	290,-	965-217	77,-	963-128	88,-
PFB 6000-0M	6000	1	1	50	± 1	C	350,-	965-217	77,-	963-128	88,-



## High-resolution precision balance with high resolution and large range of functions

### Features

- With its **exceptionally large weighing ranges and readouts**, this range offers a large pool of products to cover the most varied applications within the laboratory environment. They are therefore particularly suitable for heavy tare containers or large samples
- Stable weighing results thanks to the individual temperature compensation of the strain gauge measuring system which is set at the factory. It is therefore especially suitable for use in areas where there are temperature fluctuations
- The **measuring system's exceptionally high resolution** of 420.000 points ensures the highest level of accuracy with large weighing ranges. Almost unbeatable in this price category
- **Compact size**, practical for small spaces
- **Totalising** of weights
- **Draught shield** standard for models with weighing plate size **A**, weighing space  $\varnothing \times H$  125x70 mm

### Technical data

- Backlit LCD display, digit height 15 mm
- Weighing plate dimensions, stainless steel
  - A**  $\varnothing$  80 mm
  - B**  $\varnothing$  135 mm, see larger picture
- Dimensions housing WxDxH 185x250x80 mm
- Net weight approx. 1,2 kg
- Permissible ambient temperature 10 °C/30 °C

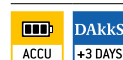
### Accessories

- **Rechargeable battery pack internal**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN PLE-A06, **€ 35,-**
- **2 Set for density determination** of liquids and solids with density  $\leq / \geq 1$ , the density is indicated directly on the display, KERN ALT-A02, **€ 820,-**
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Option	
							DAkkS Calibr. Certificate	
KERN							<b>DKD</b> KERN	€
PLE 420-3N	420	0,001	0,002	± 0,004	<b>A</b>	<b>450,-</b>	963-127	72,-
PLE 4200-2N	4200	0,01	0,02	± 0,04	<b>B</b>	<b>450,-</b>	963-127	72,-



Compact precision balance with large weighing range, as well as EC type approval [M]

**Features**

- Thanks to the **many typical laboratory functions**, such as, for example, recipe function, percentage determination, GLP record keeping, combined with the high level of precision, the KERN KB-N is a reliable partner for day-to-day work in the laboratory
- **User guidance step by step** on display by Yes/No dialogue
- **Freely programmable weighing unit**, e.g. display direct in special units such as length of thread g/m, paper weight g/m<sup>2</sup>, or similar
- **Ring-shaped draught shield** standard, only for models with weighing plate size **A**, weighing space  $\varnothing \times H$  90×40 mm

**Technical data**

- Backlit LCD display, digit height 9 mm
- Weighing plate dimensions W×D×H
  - A**  $\varnothing$  81 mm, plastic, with conductive lacquer
  - B** W×D 130×130 mm, stainless steel
  - C** W×D 150×170 mm, stainless steel, see larger picture
- Overall dimensions W×D×H 167×250×85 mm (without draught shield)
- Net weight approx. 2,0 kg
- Permissible ambient temperature KERN KB-N: 10 °C/40 °C KERN KB-NM: 10 °C/30 °C

**Accessories**

- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, for models with weighing plate size
  - A** KERN PCB-A02S05, € 30,-
  - B** KERN PCB-A04S05, € 30,-
  - C** KERN PCB-A05S05, € 30,-
- **Rechargeable battery pack internal**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KB-A01N, € 50,-
- **Rechargeable battery pack external**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, € 180,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD      OPTION      FACTORY

															<b>+3 DAYS</b> KB-NM

Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Options			
								Verification		DAkKS Calibr. Certificate	
								KERN	€	KERN	€
<b>KB 120-3N</b>	120	0,001	-	-	± 0,003	<b>A</b>	<b>290,-</b>	-	-	963-127	72,-
<b>KB 240-3N</b>	240	0,001	-	-	± 0,003	<b>A</b>	<b>300,-</b>	-	-	963-127	72,-
<b>KB 360-3N</b>	360	0,001	-	-	± 0,005	<b>A</b>	<b>310,-</b>	-	-	963-127	72,-
<b>KB 1200-2N</b>	1200	0,01	-	-	± 0,03	<b>B</b>	<b>280,-</b>	-	-	963-127	72,-
<b>KB 2000-2N</b>	2000	0,01	-	-	± 0,03	<b>B</b>	<b>280,-</b>	-	-	963-127	72,-
<b>KB 2400-2N</b>	2400	0,01	-	-	± 0,03	<b>B</b>	<b>290,-</b>	-	-	963-127	72,-
<b>KB 3600-2N</b>	3600	0,01	-	-	± 0,05	<b>B</b>	<b>310,-</b>	-	-	963-127	72,-
<b>KB 10K0.05N</b>	10000	0,05	-	-	± 0,15	<b>C</b>	<b>280,-</b>	-	-	963-128	88,-
<b>KB 10000-1N</b>	10000	0,1	-	-	± 0,3	<b>C</b>	<b>270,-</b>	-	-	963-128	88,-

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.

<b>KB 650-2NM</b>	650	0,01	0,1	0,5	± 0,03	<b>B</b>	<b>330,-</b>	965-216	66,-	963-127	72,-
<b>KB 6500-1NM</b>	6500	0,1	1	5	± 0,3	<b>C</b>	<b>330,-</b>	965-217	77,-	963-128	88,-





## High-quality precision balance with automatic internal adjustment, also with EC type approval [M]

### Features

- **Easy to use:** All primary functions have their own key on the keypad
- **Automatic internal adjustment,** time-controlled every 2 h, guarantees high degree of accuracy and makes the balance independent of its location
- **Capacity display:** A bar lights up to show how much of the weighing range is still available
- **USB interface** for transferring weighing data to the PC, printer, USB sticks etc.
- **Draft shield** standard on models with [Max] = 600 g, weighing space W×D×H 145×160×80 mm
- **EWJ 300-3H: Large glass draught shield** with 3 sliding doors for easy access to

the items being weighed. Weighing space W×D×H 155×175×217 mm

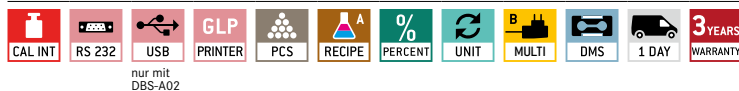
### Technical data

- Large backlit LCD display, digit height 16,5 mm
- Weighing plate dimensions, stainless steel
  - A Ø 80 mm
  - B Ø 120 mm
  - C Ø 135 mm
  - D W×D 155×145 mm
- Overall dimensions W×D×H
  - 220×315×90 mm (without draught shield)
  - 220×340×321 mm (incl. draught shield)
- Permissible ambient temperature
  - KERN EWJ: 15 °C/35 °C
  - KERN EWJ-M: 15 °C/30 °C

### Accessories

- **Protective working cover,** standard, can be re-ordered, scope of delivery: 5 items, KERN EWJ-A04S05, **€ 30,-**
- **Rechargeable battery pack internal,** operating time up to 15 h without backlight, charging time approx. 4 h, KERN KFB-A01, **€ 35,-**
- **USB interface kit** for bi-directional data exchange between balance/moisture analyser and computer. Scope of delivery: USB cable, driver, Software Balance Connection, KERN DBS-A02, **€ 290,-**
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- **RS-232/WiFi adapter** for wireless connection to networks and WLAN capable devices, such as tablets, laptops or smartphones, KERN YKI-03, **€ 750,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

#### STANDARD



nur mit DBS-A02

#### OPTION



#### FACTORY



Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Options			
								Verification		DAkkS Calibr. Certificate	
								M	€	DKD KERN	€
EWJ 300-3	300	0,001	-	-	± 0,003	A	465,-	-	-	963-127	72,-
EWJ 300-3H <small>NEW</small>	300	0,001	-	-	± 0,003	A	505,-	-	-	963-127	72,-
EWJ 3000-2	3000	0,01	-	-	± 0,05	C	445,-	-	-	963-127	72,-
Note: For applications that require verification, please order verificati on 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.											
EWJ 600-2SM <small>NEW</small>	600	0,01	0,1	0,5	± 0,03	B	375,-	965-216	66,-	963-127	72,-
EWJ 600-2M	600	0,01	0,1	0,5	± 0,03	B	410,-	965-216	66,-	963-127	72,-
EWJ 6000-1SM <small>NEW</small>	6000	0,1	1	5	± 0,3	D	365,-	965-217	77,-	963-128	88,-
EWJ 6000-1M	6000	0,1	1	5	± 0,3	D	400,-	965-217	77,-	963-128	88,-

NEW New model





All-rounder e.g. as precision balance in the laboratory or in harsh industrial applications, also with EC type approval [M]

**Features**

- Thanks to the **many typical laboratory functions**, such as, for example, recipe function, percentage determination, GLP record keeping, combined with the high level of precision, the KERN 572 is a reliable partner for day-to-day work in the laboratory
- **The robust version**, typical industrial functions, such as piece-counting, vibrationfree weighing and the large weighing ranges also make these balances ideal for all industrial applications, where a high level of precision is required

- **Freely programmable weighing unit**, e.g. display direct in special units such as length of thread g/m, paper weight g/m<sup>2</sup>, or similar
- **The robust aluminium diecast housing** maintains the stability, protects the weighing technology elements and is robust enough to cope with everyday use
- **KERN 572: Ring-shaped draught shield** standard, only for models with weighing plate size **A**, weighing space  $\phi \times H$  157×43 mm
- **Hook for underfloor weighing**, standard for models with [d] = 0,001 g

**Technical data**

- Large backlit LCD display, digit height 18 mm
- Dimensions weighing surface, stainless steel
  - A**  $\phi$  106 mm
  - B**  $\phi$  150 mm
  - C** W×D 160×200 mm, see larger picture
- Overall dimensions W×D×H 180×310×85 mm
- Permissible ambient temperature
  - KERN 572: 10 °C/40 °C
  - KERN 573: 10 °C/30 °C

**Accessories**

- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN 572-A02S05, **€ 35,-**
- **Rechargeable battery pack external**, operating time up to 30 h without backlight, charging time approx. 10 h, KERN KS-A01, **€ 180,-**
- **Large glass draught shield** with 3 sliding doors for easy access to the items being weighed. Weighing space W×D×H 150×140×130 mm, for models with weighing plate size **A**, KERN 572-A05, **€ 220,-**
- **Hook for underfloor weighing**, for models with [d]  $\geq$  0,01 g, KERN 572-A03, **€ 25,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



FACTORY



Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Options			
								Verification		DAkkS Calibr. Certificate	
KERN								MO KERN	€	DKD KERN	€
572-30	240	0,001	-	-	± 0,003	A	520,-	-	-	963-127	72,-
572-31	300	0,001	-	-	± 0,005	A	530,-	-	-	963-127	72,-
572-32	420	0,001	-	-	± 0,005	A	540,-	-	-	963-127	72,-
572-33	1600	0,01	-	-	± 0,03	B	490,-	-	-	963-127	72,-
572-35	2400	0,01	-	-	± 0,03	B	500,-	-	-	963-127	72,-
572-37	3000	0,01	-	-	± 0,05	B	510,-	-	-	963-127	72,-
572-39	4200	0,01	-	-	± 0,05	B	520,-	-	-	963-127	72,-
572-45	12000	0,05	-	-	± 0,15	C	490,-	-	-	963-128	88,-
572-55	20000	0,05	-	-	± 0,25	C	520,-	-	-	963-128	88,-
572-43	10000	0,1	-	-	± 0,3	C	480,-	-	-	963-128	88,-
572-49	16000	0,1	-	-	± 0,3	C	490,-	-	-	963-128	88,-
572-57	24000	0,1	-	-	± 0,3	C	500,-	-	-	963-128	88,-

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	0,5	± 0,03	B	570,-	965-216	66,-	963-127	72,-
573-46NM	6500	0,1	1	5	± 0,3	C	570,-	965-217	77,-	963-128	88,-



**Technical data**

- Backlit LCD display, digit height 17 mm
- Dimensions weighing surface, stainless steel
  - A Ø 80 mm
  - B Ø 110 mm
  - C Ø 160 mm, see larger picture
  - D WxD 200x175 mm
- ③ KERN PLS/PLJ-F: Strain gauge
- ④ KERN PLS/PLJ-A: Force compensation
- Permissible ambient temperature  
 KERN PLS, PLJ: 5 °C/35 °C  
 KERN PLJ-M: 15 °C/30 °C

Range of precision balances with enormous weighing ranges – ideal for heavy tare containers or large samples

**Features**

- **① PLJ 2000-3A high-quality milligram balance with enormous weighing range up to 2100 g** – ideal for large samples or heavy tare containers
- **Ergonomically optimised keypad** for left and righthanded users
- **② KERN PLJ: Automatic internal adjustment**, guarantees high degree of accuracy and makes the balance independent of its

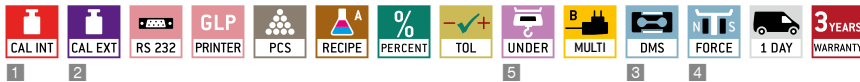
location of use. Ideal for mobile applications which require verification, such as ambulatory gold and jewellery purchasing

- **② KERN PLS: Adjusting program CAL** for quick setting of the balance accuracy, external test weights at an additional price, see *test weights*
- **Draught shield** standard for models with weighing plate size **①**, weighing space  $\phi \times H$  60x150 mm

**Accessories**

- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN PLJ-A01S05, **€ 60,-**
- **⑤ Hook for underfloor weighing**, optional, KERN PLJ-A02, **€ 30,-**
- **Set for density determination** of liquids and solids with density  $\leq/\geq 1$  for models with [d] = 0,001 g, KERN ALT-A02, **€ 820,-** [d] = 0,01 g, KERN PLT-A01, **€ 820,-**
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Options			
								Verification		DAKKS Calibr. Certificate	
KERN								M KERN	€	DKD KERN	€
PLS 420-3F	420	0,001	-	-	± 0,004	A	590,-	-	-	963-127	72,-
PLS 720-3A ⑤	720	0,001	-	-	± 0,002	A	850,-	-	-	963-127	72,-
PLS 1200-3A ⑤	1200	0,001	-	-	± 0,003	A	870,-	-	-	963-127	72,-
PLS 4200-2F ⑤	4200	0,01	-	-	± 0,04	C	590,-	-	-	963-127	72,-
PLS 6200-2A ⑤	6200	0,01	-	-	± 0,03	C	870,-	-	-	963-128	88,-
PLS 8000-2A ⑤	8200	0,01	-	-	± 0,04	C	1050,-	-	-	963-128	88,-
PLS 20000-1F ⑤	20000	0,1	-	-	± 0,4	C	590,-	-	-	963-128	88,-
PLJ 420-3F	420	0,001	-	-	± 0,003	A	700,-	-	-	963-127	72,-
PLJ 720-3A ⑤	720	0,001	-	-	± 0,002	A	990,-	-	-	963-127	72,-
PLJ 1200-3A ⑤	1200	0,001	-	-	± 0,003	A	1010,-	-	-	963-127	72,-
PLJ 2000-3A ⑤	2100	0,001	-	-	± 0,004	A	1700,-	-	-	963-127	72,-
PLJ 3000-2FM*	3100	0,01	-	-	± 0,03	B	600,-	-	-	963-127	72,-
PLJ 4200-2F	4200	0,01	-	-	± 0,04	B	690,-	-	-	963-127	72,-
PLJ 6200-2A ⑤	6200	0,01	-	-	± 0,03	B	990,-	-	-	963-128	88,-
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 720-3AM	720	0,001	0,01	0,02	± 0,002	B	1050,-	965-216	66,-	963-127	72,-
PLJ 6200-2AM	6200	0,01	0,1	0,5	± 0,03	B	1050,-	965-217	77,-	963-128	88,-

① \*ONLY WHILE STOCKS LAST!

② Price reduction



## The new standard in the laboratory with robust tuning fork weighing system

### Features

- **1** KERN PNJ: **Automatic internal adjustment**, guarantees high degree of accuracy and makes the balance independent of its location of use. Ideal for mobile applications which require verification, such as ambulatory gold and jewellery purchasing
- **2** KERN PNS: **Adjusting program CAL** for quick setting of the balance accuracy using an external test weight
- **High-quality tuning fork measuring system** for steady weight values and continuous weighing
- **Capacity display:** A bar lights up to show how much of the weighing range is still available
- **Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value

- **Compact size**, practical for small spaces
- **Large, shock proof weighing plate made of stainless steel**
- **Large glass draught shield** with 3 sliding doors for easy access to the items being weighed. Weighing space W×D×H 172×171×160 mm, for models with weighing plate size **A**

### Technical data

- Large LCD display, digit height 16,5 mm
- Dimensions weighing surface, stainless steel
  - A** Ø 140 mm
  - B** W×D 190×190 mm, see larger picture
- Overall dimensions W×D×H for models with weighing plate size
  - A** 202×293×266 mm
  - B** 196×293×89 mm

- Net weight for models with weighing plate size
  - A** approx. 2,2 kg
  - B** approx. 2,6 kg
- Permissible ambient temperature 5 °C/40 °C

### Accessories

- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN PNJ-A01S05, **€ 50,-**
- **3** **Precious stones plate**, aluminium with practical spout, W×D×H 83×66×23 mm, KERN AEJ-A05, **€ 40,-**
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- **RS-232/Bluetooth adapter** to connect to Bluetooth capable devices, such as Bluetooth printers, tablets, laptops, smartphones, etc., KERN YKI-02, **€ 190,-**
- **RS-232/WiFi adapter** for wireless connection to networks and WLAN capable devices, such as tablets, laptops or smartphones, KERN YKI-03, **€ 750,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

OPTION

FACTORY

Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Options					
								Verification		DAkKS Calibr. Certificate			
KERN									KERN	€		KERN	€
PNS 600-3	620	0,001	-	-	± 0,004	<b>A</b>	<b>610,-</b>	-	-	-	963-127	72,-	
PNS 3000-2	3200	0,01	-	-	± 0,02	<b>B</b>	<b>580,-</b>	-	-	-	963-127	72,-	
PNS 12000-1	12000	0,1	-	-	± 0,2	<b>B</b>	<b>570,-</b>	-	-	-	963-128	88,-	
Note: For applications that require verification, please order verificati on 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.													
PNJ 600-3M	620	0,001	0,01	0,02	± 0,004	<b>A</b>	<b>745,-</b>	965-216	66,-	66,-	963-127	72,-	
PNJ 3000-2M	3200	0,01	0,1	0,5	± 0,02	<b>B</b>	<b>705,-</b>	965-216	66,-	66,-	963-127	72,-	
PNJ 12000-1M	12000	0,1	1	5	± 0,2	<b>B</b>	<b>695,-</b>	965-217	77,-	77,-	963-128	88,-	



## Process reliability thanks to automatic internal adjustment and EC type approval [M]

### Features

- **Automatic internal adjustment** in the case of a change in temperature and time-controlled at defined intervals, guarantees high degree of accuracy and makes the balance independent of its location of use
- **1 Draught shield** standard for models with [d] = 0,001 g, weighing space W×D×H 140×140×65 mm

### PLJ-C:

- **2 Weighing principle:** Force compensation
- **Alibi memory:** electronic archiving of weighing results
- **Internal memory** for up to 999 weighing results, 1000 items or recipe ingredients, 100 container weights, 100 users
- **3 USB interface** for transferring weighing data to the PC, printer, USB sticks etc.

### PLJ-G:

- **4 Weighing principle:** Strain gauge
- **Rechargeable battery pack internal,** standard, operating time up to 45 h, without backlight, charging time approx. 12 h

### Technical data

- Backlit LCD display  
KERN PLJ-C: digit height 17 mm  
KERN PLJ-GM: digit height 19 mm
- Dimensions weighing surface, stainless steel  
**A** W×D 128×128 mm  
**B** W×D 195×195 mm, see larger picture
- Overall dimensions W×D×H  
206×333×99,5 mm (without draught shield)  
206×333×167,2 mm (incl. draught shield)
- Net weight approx. 4,2 kg
- Permissible ambient temperature 10 °C/40 °C

### Accessories

- **Protective working cover,** standard, can be re-ordered, scope of delivery: 5 items, KERN ALS-A02S05, **€ 42,-**
- **Set for density determination** of liquids and solids with density  $\leq/\geq 1$ , The density is indicated directly on the display, KERN PLS-A01, **€ 530,-**
- KERN PLJ-C: **WLAN interface** for wireless connection of the balance to networks and WLAN capable devices, such as tablets, laptops or smartphones, KERN PLJ-A06, **€ 135,-**
- KERN PLJ-C: **Alibi memory software** for viewing and saving data from the alibi memory onto a PC connected to the system, KERN PET-A16, **€ 300,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

### STANDARD



### OPTION



Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Options			
								Verification		DAkkS Calibr. Certificate	
								M	€	DKD	€
<b>PLJ 300-3CM</b>	360	0,001	0,01	0,02	± 0,004	A	<b>740,-</b>	965-216	66,-	963-127	72,-
<b>PLJ 600-3CM</b>	600	0,001	0,01	0,02	± 0,004	A	<b>780,-</b>	965-216	66,-	963-127	72,-
<b>PLJ 700-3CM</b>	750	0,001	0,01	0,02	± 0,004	A	<b>760,-</b>	965-216	66,-	963-127	72,-
<b>PLJ 3000-2CM</b>	3500	0,01	0,1	0,5	± 0,04	B	<b>730,-</b>	965-216	66,-	963-127	72,-
<b>PLJ 600-2GM</b>	600	0,01	0,1	0,5	± 0,02	A	<b>540,-</b>	965-216	66,-	963-127	72,-
<b>PLJ 6000-1GM</b>	6000	0,1	1	5	± 0,2	B	<b>540,-</b>	965-217	77,-	963-128	88,-

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.





## The classic balance with robust tuning fork measuring system

### Features

- **1** KERN EG-N: **Internal adjustment** by rotary knob on the side. Guarantees high degree of accuracy and makes the balance independent of its location
- **2** KERN EW-N: **Adjusting program CAL** for quick setting of the balance accuracy using an external test weight
- **Capacity display:** A bar lights up to show how much of the weighing range is still available
- **Precise counting:** The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- **GLP/ISO record keeping** of weight values
- **Percentage determination**
- **Weighing with tolerance range**

- **Totalising** of pieces when counting
- **Draught shield** standard for models with weighing plate size **A**, Weighing space W×D×H 158×130×78 mm

### Technical data

- Large LCD display, digit height 17 mm
- Dimensions weighing surface, stainless steel
  - A** Ø 118 mm, see larger picture
  - B** W×D 170×140 mm
  - C** W×D 180×160 mm
- Overall dimensions W×D×H, without draught shield
  - A, B** 182×235×75 mm
  - C** 192×275×87 mm
- Net weight approx. 1,4 kg
- Permissible ambient temperature 10 °C/30 °C

### Accessories

- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, for models with weighing plate size
  - A, B** KERN EG-A05S05, € 50,-
  - C** KERN EG-A09S05, € 50,-
- **Precious stones plate**, aluminium with practical spout, W×D×H 83×66×23 mm, KERN AEJ-A05, € 40,-
- **Rechargeable battery pack internal**, operating time up to 32 h without backlight, charging time approx. 12 h, for models with weighing plate size
  - A, B** KERN EG-A04, € 110,-
  - C** KERN EG-A06, € 110,-
- **2 Large glass draught shield** with 3 sliding doors for easy access to the items being weighed. Weighing space W×D×H 150×140×130 mm, for models with weighing plate size **A**, KERN EG-A03, € 235,-
- **Loop for underfloor weighing**, not included, for models with weighing plate size
  - A, B** KERN EG-A07, € 40,-
  - C** KERN EG-A08, € 40,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

### STANDARD



### OPTION



### FACTORY

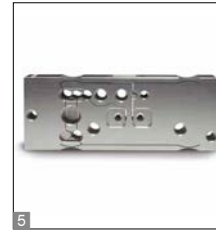


Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Options					
								Verification		DAkkS Calibr. Certificate			
								M	€	DKD	€		
KERN													
EW 220-3NM	220	0,001	-	-	± 0,002	A	620,-	-	-	963-127	72,-		
EW 420-3NM	420	0,001	-	-	± 0,003	A	690,-	-	-	963-127	72,-		
EW 620-3NM	620	0,001	-	-	± 0,003	A	770,-	-	-	963-127	72,-		
EW 820-2NM	820	0,01	-	-	± 0,01	B	540,-	-	-	963-127	72,-		
EW 2200-2NM	2200	0,01	-	-	± 0,01	C	660,-	-	-	963-127	72,-		
EW 4200-2NM	4200	0,01	-	-	± 0,02	C	760,-	-	-	963-127	72,-		
EW 6200-2NM	6200	0,01	-	-	± 0,03	C	810,-	-	-	963-128	88,-		
EW 12000-1NM	12000	0,1	-	-	± 0,2	C	635,-	-	-	963-128	88,-		

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.

EG 220-3NM	220	0,001	0,01	0,02	± 0,002	A	760,-	965-216	66,-	963-127	72,-
EG 420-3NM	420	0,001	0,01	0,02	± 0,003	A	830,-	965-216	66,-	963-127	72,-
EG 620-3NM	620	0,001	0,01	0,1	± 0,004	A	930,-	965-201	110,-	963-127	72,-
EG 2200-2NM	2200	0,01	0,1	0,5	± 0,01	C	820,-	965-216	66,-	963-127	72,-
EG 4200-2NM	4200	0,01	0,1	0,5	± 0,02	C	880,-	965-216	66,-	963-127	72,-





## Multifunctional laboratory balance with single-cell weighing system and EC type approval [M]

### Features

- **1** KERN PBJ: **Automatic internal adjustment** in the case of a change in temperature and time-controlled at defined intervals, guarantees high degree of accuracy and makes the balance independent of its location of use
- **2** KERN PBS: **Adjusting program CAL** for quick setting of the balance accuracy using an external test weight
- **Metal housing:** robust and sturdy
- **Dosage aid:** High-stability mode and other filter settings can be selected
- **Weighing with tolerance range (checkweighing):** a visual signal helps with portioning, dispensing or grading
- **Totalising** of weights
- **Identification number:** 4 digits, printed on calibration protocol freely programmable

- **Automatic data output to the PC/printer** each time the balance is steady
- **3 Draught shield** standard for models with [d] = 0,001 g, weighing space W×D×H 180×193×87 mm

### Technical data

- Large backlit LCD display, digit height 14 mm
- Dimensions weighing surface, stainless steel
  - A W×D 108×105 mm
  - B W×D 180×190 mm, see larger picture
- Overall dimensions W×D×H 209×322×78 mm (without draught shield)
- Net weight approx. 3,2 kg
- Permissible ambient temperature 10 °C/30 °C

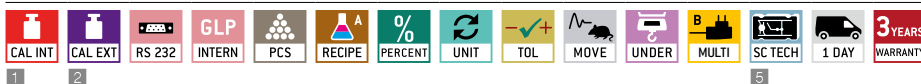
### Accessories

- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, for models with weighing plate size
  - A KERN PBS-A01S05, € 35,-
  - B KERN PBS-A02S05, € 55,-
- **4 Set for density determination** of liquids and solids with density ≤/≥ 1, for models with weighing plate size
  - A KERN PBS-A04, € 1580,-
  - B KERN PBS-A03, € 1580,-
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, € 290,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

### 5 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



### OPTION



### FACTORY



Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Options			
								Verification		DAkkS Calibr. Certificate	
KERN								<input type="checkbox"/> KERN	€	<input type="checkbox"/> DKD KERN	€
PBS 620-3M	620	0,001	-	-	± 0,002	A	1360,-	-	-	963-127	72,-
PBS 4200-2M	4200	0,01	-	-	± 0,02	B	1150,-	-	-	963-127	72,-
PBS 6200-2M	6200	0,01	-	-	± 0,02	B	1380,-	-	-	963-128	88,-

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.

PBJ 620-3M	620	0,001	0,01	0,1	± 0,002	A	1590,-	965-201 <input type="checkbox"/>	110,-	963-127	72,-
PBJ 4200-2M	4200	0,01	0,1	0,5	± 0,02	B	1420,-	965-216 <input type="checkbox"/>	66,-	963-127	72,-
PBJ 6200-2M	6200	0,01	0,1	1	± 0,02	B	1720,-	965-202 <input type="checkbox"/>	110,-	963-128	88,-
PBJ 8200-1M	8200	0,1	1	5	± 0,2	B	1410,-	965-217 <input type="checkbox"/>	77,-	963-128	88,-



## Robust laboratory and industrial precision scale for heavy items, with EC type approval [M]

### Features

- **2** KERN PEJ: **Automatic internal adjustment**, guarantees high degree of accuracy and makes the balance independent of its location of use
- **3** KERN PES: **Adjusting program CAL** for quick setting of the balance accuracy using an external test weight
- **Metal housing**: robust and sturdy
- **Weighing with tolerance range (checkweighing)**: Input of two upper and two lower limit values through four arrow keys. An audible and visual signal assists with the portioning, dispensing or grading
- **1** **Draught shield** standard for models with [d] = 0,001 g, weighing space W×D×H 170×150×100 mm

- **Underfloor weighing**: load support with hook on the underside of the balance, hook not supplied with the product

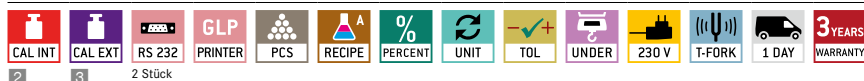
### Technical data

- Fluorescent display, bright with high contrast, digit height 14 mm
- Dimensions weighing surface, stainless steel
  - A W×D 140×120 mm
  - B W×D 200×200 mm, see larger picture
  - C W×D 250×220 mm
- Overall dimensions W×D×H
  - A 220×330×90 mm (without draught shield)
  - B 220×339×80 mm (without draught shield)
  - C 260×330×113 mm (without draught shield)
- Permissible ambient temperature 10 °C/30 °C

### Accessories

- **Protective working cover**, standard, can be re-ordered, scope of delivery: 5 items, KERN PES-A04S05, **€ 55,-**
- KERN PES: **Rechargeable battery pack internal**, operating time up to 32 h, without backlight, charging time approx. 15 h, KERN PES-A01, **€ 610,-**
- **Relay output** with 5 outputs for weighing in 3 tolerance ranges, must be ordered at purchase, KERN PES-A02, **€ 480,-**
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01, **€ 290,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

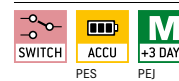
### STANDARD



### OPTION



### FACTORY



Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price € excl. of VAT ex works €	Options			
								Verification		DAkkS Calibr. Certificate	
KERN								M KERN	€	DKD KERN	€
PES 620-3M	620	0,001	-	-	± 0,003	A	1280,-	-	-	963-127	72,-
PES 2200-2M	2200	0,01	-	-	± 0,02	B	840,-	-	-	963-127	72,-
PES 4200-2M	4200	0,01	-	-	± 0,02	B	1000,-	-	-	963-127	72,-
PES 6200-2M	6200	0,01	-	-	± 0,03	B	1240,-	-	-	963-128	88,-
PES 15000-1M	15000	0,1	-	-	± 0,2	B	1190,-	-	-	963-128	88,-
PES 31000-1M	31000	0,1	-	-	± 0,4	C	2050,-	-	-	963-128	88,-
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	0,1	± 0,003	A	1480,-	965-201 (I)	110,-	963-127	72,-
PEJ 2200-2M	2200	0,01	0,1	0,5	± 0,02	B	1040,-	965-216 (II)	66,-	963-127	72,-
PEJ 4200-2M	4200	0,01	0,1	0,5	± 0,02	B	1230,-	965-216 (III)	66,-	963-127	72,-



KERN PET [d] = 0,001 g



KERN PET [d] = 0,01

**Features**

- **Intuitive operation, increases efficiency and saves costs:** Easy entering of item data at the PC, call up of items on the balance using the connected barcode or RFID scanner, output of weighing data using the large or second display or control outputs, data transfer to the PC, printer or alibi memory
- **Enormous database (1GB)** for thousands of weighing results, items, recipes, recipe ingredients, container weights, user data etc.
- **Individual print formats:** Printouts can be individually adjusted depending on operating mode, application or your own requirements, directly at the balance or the PC. In this way the data related to these processes is documented accurately, efficiently and clearly
- **Individual user settings can be stored:** User name and number, Password, Menu language, User profile, Additional guest mode for users without log-in, Authorisations
- Easy entering of item data using the connected barcode or RFID scanner

- **Draught shield** standard for models with weighing plate size **A**, Weighing space W×D×H 140×140×65 mm

**Technical data**

- Large backlit LCD touch display, digit height 21 mm, screen diagonal 5,7" (115×86 mm)
- Dimensions weighing surface, stainless steel **A** W×D 128×128 mm, **B** W×D 195×195 mm
- Overall dimensions W×D×H **A** 431×221×99 mm, **B** 250×425×80 mm
- Permissible ambient temperature 15 °C/35 °C

**Accessories**

- **Suitable printers** and further, extensive accessories see internet

**Modes**

- ① Weighing
- ② Determination stock level
- ③ Checkweighing
- ④ Dispensing
- ⑤ Percentage determination
- ⑥ Density
- ⑦ Animal weighing
- ⑧ Recipe weighing
- ⑨ Statistics
- ⑩ Pipette calibration
- ⑪ Differential weighing
- ⑫ Statistical Quality Control (SQC)

**Functions**

- Capacity display with ①-⑫
- Dispensing aid (-/+), with ④, ⑤
- Net/gross display, permanent, with ①-⑫
- Variable reference quantity, with ②
- Automatic reference optimisation, with ②
- Tare deduction automatic, with ①-⑫
- Entering of item or batch description, operator etc., with ①-⑫
- Freely programmable weighing unit, e.g. display direct in special units such as length of thread g/m, grammage g/m2, or similar, with ①-⑫
- Date/time, with ①-⑫
- Statistical function, as stand-alone application
- GLP printout, with ①-⑫
- Individual printout configuration ①-⑫

**Note:** Your KERN product specialist Ingo Schlaich, Tel. +49 [0]7433 9933-158 will be happy to help with all questions of detail

STANDARD



OPTION



Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Weighing plate	Price € excl. of VAT ex works €	Options			
							Verification		DAkkS Calibr. Certificate	
KERN							<b>M</b> KERN	€	<b>DKD</b> KERN	€
PET 600-3M	600	0,001	0,01	0,02	A	2500,-	965-216	66,-	963-127	72,-
PET 1000-3M	1000	0,001	0,01	0,02	A	2800,-	965-216	66,-	963-127	72,-
PET 2500-2M	2500	0,01	0,1	0,5	B	2400,-	965-216	66,-	963-127	72,-
PET 6000-2M	6000	0,01	0,1	0,5	B	2600,-	965-217	77,-	963-128	88,-

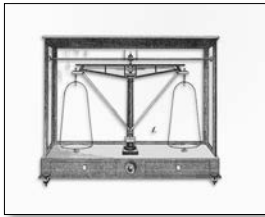
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.

ONLY WHILE STOCKS LAST!



# Tradition and innovation for more than 170 years

An independent family business, KERN since already 7 generations 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 DKD laboratory (ISO 17025)



► 2000

New premises in Balingen



► 2002

Existing QM system certification in accordance with DIN EN ISO 9001:2000 standards



► 2007

Approval for the manufacture of medical products (DIN EN 13485 and 93/42/EEC)



► 2008

Authorisation for initial verification by the manufacturer (2009/23/EU)



► 2009

Approval for the manufacture and sale of height rods (DIN EN 13485 and 93/42/EEC)



► 2012

Verification point for non-automatic balances and test weights.

New customer portal [www.kern-sohn.com](http://www.kern-sohn.com) goes live



► 2014

Expansion of the product range to include optical instruments (microscopes and refractometers)



► 2015

Inauguration of Ziegelei 2.0 with computer-controlled high-bay warehouse

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Balances, Test weights, DAkkS Calibration laboratory  
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