

## PRECISION BALANCES

PROFESSIONAL MEASURING



## KERN Pictograms

 <b>Internal adjusting</b> Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)	 <b>Interface for second balance</b> For direct connection of a second balance	 <b>Hold function</b> (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value	 <b>Conformity Assessment</b> The time required for conformity assessment is specified in the pictogram
 <b>Adjusting program CAL</b> For quick setting up of the balance's accuracy. External adjusting weight required	 <b>Network interface</b> For connecting the scale to an Ethernet network	 <b>Protection against dust and water splashes IPxx</b> The type of protection is shown in the pictogram	 <b>DAkkS calibration possible (DKD)</b> The time required for DAkkS calibration is shown in days in the pictogram
 <b>EasyTouch</b> Suitable for the connection, data transmission and control through PC or tablet	 <b>KERN Communication Protocol (KCP)</b> It is a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other digital systems	 <b>Suspended weighing</b> Load support with hook on the underside of the balance	 <b>Factory calibration (ISO)</b> The time required for Factory calibration is shown in days in the pictogram
 <b>Memory</b> Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.	 <b>GLP/ISO log intern</b> The balance displays weight, date and time, independent of a printer connection	 <b>Battery operation</b> Ready for battery operation. The battery type is specified for each device	 <b>Package shipment</b> The time required for internal shipping preparations is shown in days in the pictogram
 <b>Alibi memory</b> Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.	 <b>GLP/ISO log Printer</b> With weight, date and time. Only with KERN printers.	 <b>Rechargeable battery pack</b> Rechargeable set	 <b>Pallet shipment</b> The time required for internal shipping preparations is shown in days in the pictogram
 <b>KERN Universal Port (KUP)</b> allows the connection of external KUP interface adapters, e.g. RS-232, RS-485, SB, Bluetooth, WIFI, Analogue, Ethernet etc. for the exchange of data and control commands, without installation effort	 <b>Piece counting</b> Reference quantities selectable. Display can be switched from piece to weight	 <b>Universal plug-in power supply</b> with universal input and optional input socket adapters for A) EU, CH, GB B) EU, CH, GB, US C) EU, CH, GB, US, AUS	 <b>Plug-in power supply</b> 230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available
 <b>RS-232 Data interface</b> To connect the balance to a printer, PC or network	 <b>Recipe level A</b> The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out	 <b>Integrated power supply unit</b> Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request	
 <b>RS-485 Data interface</b> To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible	 <b>Recipe level B</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display	 <b>Weighing principle Strain gauges</b> Electrical resistor on an elastic deforming body	
 <b>USB Data interface</b> To connect the balance to a printer, PC or other peripherals	 <b>Totalising level A</b> The weights of similar items can be added together and the total can be printed out	 <b>Weighing principle Tuning fork</b> A resonating body is electromagnetically excited, causing it to oscillate	
 <b>Bluetooth* Data interface</b> To transfer data from the balance to a printer, PC or other peripherals	 <b>Percentage determination</b> Determining the deviation in % from the target value (100 %)	 <b>Weighing principle Electromagnetic force compensation</b> Coil inside a permanent magnet. For the most accurate weighings	
 <b>WIFI Data interface</b> To transfer data from the balance to a printer, PC or other peripherals	 <b>Weighing units</b> Can be switched to e.g. nonmetric units. See balance model. Please refer to KERN's website for more details	 <b>Weighing principle Single cell technology</b> Advanced version of the force compensation principle with the highest level of precision	
 <b>Control outputs</b> (optocoupler, digital I/O) To connect relays, signal lamps, valves, etc.	 <b>Weighing with tolerance range (Checkweighing)</b> Upper and lower limiting can be programmed individually, e.g. for sorting and dosing. The process is supported by an audible or visual signal, see the relevant model		
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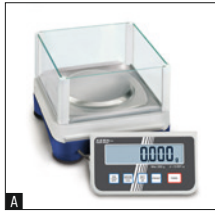
### KERN Quick-Finder

How I quickly find the product I am looking for

Ahead of each product group allows you to base the search for a certain target group on weighing data you need such as readout, weighing capacity and main features for each model.

And it's as simple as that – find the product you want in 2 steps:

1. Go to the product group index on page 3
2. Pick the appropriate product group and find the product you want using the Quick-Finder



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

### Features

- Laboratory balance with separate platform: Ideal when working in a 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
- **A** Draught shield standard for models with weighing plate size **A**, weighing space W×D×H 146×146×80 mm
- Protective working cover included with delivery

### Technical data

- Large backlit LCD display, digit height 21 mm
- Dimensions weighing surface **A** ø 105 mm, plastic, with conductive lacquer **B** W×D 160×160 mm, stainless steel, see larger picture
- Optional battery operation, 9 V block not included in scope of delivery, operating time up to 12 h, AUTO-OFF function to preserve the battery
- Dimensions of display device W×D×H 140×46×82 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, scope of delivery: 5 items, KERN PCD-A05S05, € 44,-
- **2** Stand to elevate display device, height of stand approx. 250 mm, KERN PCD-A03, € 66,-
- Internal rechargeable battery pack, operating time up to 24 h without backlight, charging time approx. 10 h, KERN PCD-A04, € 60,-
- **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, € 100,-
- Individual header data: the free software can be used to print 4 header lines on the printout when using printers 911-013, YKN-01, YKB-01N and YKE-01 (in combination with YKI-02)
- Further details, plenty of further accessories and suitable printers see *Accessories*

#### STANDARD



#### OPTION

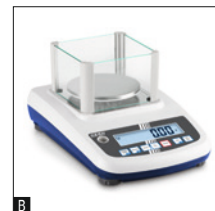
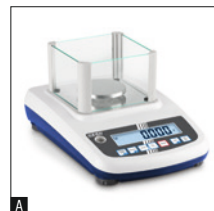


Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Overall dimensions W×D×H mm	Weighing plate	Price excl. of VAT ex works €	Options		
								DAkKS	Calibr. KERN	Certificate €
<b>PCD 250-3</b>	250	0,001	0,002	± 0,005	165×280×141	<b>A</b>	<b>350,-</b>	963-127	98,-	
<b>PCD 300-3</b>	350	0,001	0,002	± 0,005	165×280×141	<b>A</b>	<b>390,-</b>	963-127	98,-	
<b>PCD 2500-2</b>	2500	0,01	0,02	± 0,05	165×280×75	<b>B</b>	<b>350,-</b>	963-127	98,-	
<b>PCD 3000-2</b>	3500	0,01	0,02	± 0,05	165×280×75	<b>B</b>	<b>390,-</b>	963-127	98,-	
<b>PCD 6K-4</b>	6000	0,1	0,1	± 0,3	165×280×75	<b>B</b>	<b>270,-</b>	963-128	118,-	
<b>PCD 10K0.1</b>	10000	0,1	0,1	± 0,3	165×280×75	<b>B</b>	<b>290,-</b>	963-128	118,-	
<b>PCD 10K-3</b>	10000	1	1	± 3	165×280×75	<b>B</b>	<b>210,-</b>	963-128	118,-	



FACE  
LIFT

BASIC  
★



## Quick-display precision balance with user-friendly concept of operation mode – now also with Checkweighing function

### Features

- **NEW:** KERN PFB 600-3, PFB 6000-2: The measuring system's exceptionally high resolution of points ensures the highest level of accuracy with large weighing ranges
- **NEW:** Weighing with tolerance range (checkweighing): a visual and audible signal helps with portioning, dispensing or grading
- Standardised, convenient KERN concept of operation: All primary functions have their own key on the keypad
- Compact size, practical for small spaces
- Capacity display: A bargraph display 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**, **B**, removable, Weighing space W×D×H 140×150×65 mm

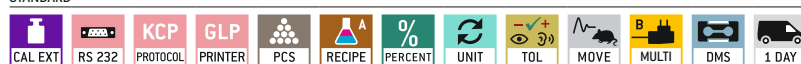
### Technical data

- Backlit LCD display, digit height 21 mm
- Dimensions weighing surface, stainless steel
  - A** Ø 80 mm
  - B** Ø 120 mm
  - C** W×D 190×180 mm, see larger picture
- Overall dimensions W×D×H 210×315×90 mm
- Permissible ambient temperature 15 °C/30 °C

### Accessories

- Protective working cover, scope of delivery 5 items, KERN PFB-A12S05, **€ 44,-**
- Bluetooth data interface for wireless data transfer to PC or tablets, supports Bluetooth 2.0 and 4.0, must be ordered at purchase, KERN PFB-A10, **€ 100,-**
- Internal rechargeable battery pack, operating time up to 72 h without backlight, charging time approx. 6,5 h, must be ordered at purchase, KERN EWJ-A06, **€ 45,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

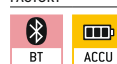
### STANDARD



### OPTION



### FACTORY



Model	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Options	
							DAKkS KERN	Calibr. Certificate €
PFB 120-3	120	0,001	0,002	± 0,003	<b>A</b>	370,-	963-127	98,-
PFB 200-3	200	0,001	0,002	± 0,004	<b>A</b>	390,-	963-127	98,-
PFB 300-3	300	0,001	0,003	± 0,005	<b>A</b>	420,-	963-127	98,-
PFB 600-3 <b>NEW</b>	600	0,001	0,003	± 0,003	<b>B</b>	500,-	963-103	162,-
PFB 600-2	600	0,01	0,01	± 0,02	<b>B</b>	320,-	963-127	98,-
PFB 1200-2	1200	0,01	0,02	± 0,03	<b>B</b>	320,-	963-127	98,-
PFB 2000-2	2000	0,01	0,02	± 0,04	<b>B</b>	340,-	963-127	98,-
PFB 3000-2	3000	0,01	0,03	± 0,05	<b>B</b>	370,-	963-127	98,-
PFB 6000-2 <b>NEW</b>	6000	0,01	0,03	± 0,03	<b>C</b>	450,-	963-104	184,-
PFB 6000-1	6000	0,1	0,1	± 0,2	<b>C</b>	300,-	963-128	118,-

**NEW** New model



3

## The standard in the laboratory, ideal for a wide range of applications for Industry 4.0

### Features

- Compatible with school-specific software solutions such as, for example, Vernier® or LabQuest®. Thanks to the KERN School Protocol, as part of technical experiments, weighing data can be transferred to a PC, laptop, etc. for evaluation and display using the USB data interface
- Industry 4.0: The integrated KERN Universal Port (KUP) allows the connection of external KUP interface adapters such as RS-232, USB, Bluetooth, WIFI, Analogue, Ethernet etc. The outstanding advantage here is that the KUP interface adapters are simply plugged in, i.e. retrofitting interfaces is conveniently possible without opening the scale housing or complicated installation. The interface adapters enable convenient transmission of weighing data to networks, PCs, smartphones, tablets, laptops, printers etc. In addition, control commands and data inputs can also be sent to the scale via the connected devices.  
Tip: with the KERN KUP-13 extension box, up to three KUP interface adapters can be operated in parallel on the scale.
- KERN Communication Protocol (KCP):  
The KCP permits searching and remote control of the balance using external control devices or computers
- For further information on KUP and KCP see page 20/21
- Standardised, simplified concept of operation
- PRE-TARE function for manual subtraction of a known container weight, useful for checking fill-levels
- 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
- Weighing with tolerance range (checkweighing): a visual and audible signal helps with portioning, dispensing or grading
- 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
- A special Anti-Shock system between the weighing plate and weighing cell reduces vibrations during the weighing process and in this way ensures rapid, reliable weighing results
- **A** Ring-shaped draught shield standard, only for models with weighing plate size **A**, weighing space  $\phi \times H$  90×40 mm
- Protective working cover included with delivery



3

**Technical data**

- Backlit LCD display, digit height 21 mm
- Dimensions weighing surface
  - A**  $\varnothing$  82 mm
  - B**  $\varnothing$  105 mm
  - C** WxD 130x130 mm
  - D** WxD 150x170 mm, see larger picture
- Weighing plate material
  - A** plastic, with conductive lacquer
  - B, C, D** stainless steel
- Overall dimensions (without draught shield) WxDxH 163x245x65 mm
- Optional battery operation, 4x1.5 V AA not included in scope of delivery, operating time up to 20 h, AUTO-OFF function to preserve the battery
- Permissible ambient temperature -10 °C/40 °C

**Accessories**

- Protective working cover, scope of delivery: 5 items, KERN YBA-A12S05, **€ 44,-**
- Internal rechargeable battery pack, operating time up to 48 h without backlight, charging time approx. 8 h, KERN YKR-01, **€ 35,-**
- External data interface RS-232, interface cable included, KERN KUP-01, **€ 60,-**
- External data interface USB, interface cable included, KERN KUP-03, **€ 75,-**
- Interface adapter Ethernet, KERN KUP-04, **€ 115,-**
- Interface adapter WiFi, KERN KUP-05, **€ 75,-**
- Bluetooth interface adapter, KERN KUP-06, **€ 99,-**
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13, **€ 75,-**
- Software BalanceConnection, for flexible recording or transmission of measured values, in particular also to Microsoft® Excel or Access as well as transfer of this data to other Apps and programs, for more details see internet, scope of supplies: 1 CD, 1 license, KERN SCD-4.0, **€ 210,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



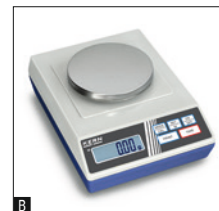
OPTION



Model	Weighing capacity [Max]	Readability	Reproducibility	Linearity	Resolution	Weighing plate	Price excl. of VAT ex works €	Options DAKkS Calibr. Certificate DAKkS KERN	€
KERN	g	[d]	g	g	Points				
PCB 200-3	200	0,001	0,001	± 0,005	200.000	<b>A</b>	<b>340,-</b>	963-127	98,-
PCB 300-3	360	0,001	0,001	± 0,005	360.000	<b>A</b>	<b>360,-</b>	963-127	98,-
PCB 300-2	300	0,01	0,01	± 0,02	30.000	<b>B</b>	<b>270,-</b>	963-127	98,-
PCB 1000-2	1200	0,01	0,01	± 0,03	120.000	<b>C</b>	<b>330,-</b>	963-127	98,-
PCB 3000-2	3600	0,01	0,01	± 0,05	360.000	<b>C</b>	<b>350,-</b>	963-127	98,-
PCB 2000-1	2000	0,1	0,1	± 0,2	20.000	<b>C</b>	<b>260,-</b>	963-127	98,-
PCB 6000-1	6000	0,1	0,1	± 0,3	60.000	<b>D</b>	<b>280,-</b>	963-128	118,-
PCB 10000-1	10000	0,1	0,1	± 0,3	100.000	<b>D</b>	<b>300,-</b>	963-128	118,-
PCB 6000-0	6000	1	1	± 2	6.000	<b>D</b>	<b>190,-</b>	963-128	118,-



BASIC  
★★



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

### Technical data

- Backlit LCD display, digit height 15 mm
- Dimensions weighing surface,
  - A**  $\varnothing$  81 mm, plastic, with conductive lacquer
  - B**  $\varnothing$  105 mm, stainless steel
  - C** W×D 130×130 mm, stainless steel
  - D** W×D 150×170 mm, stainless steel, see larger picture
- Overall dimensions W×D×H 165×230×80 mm
- Optional battery operation, 9 V block not included in scope of delivery, operating time up to 20 h, AUTO-OFF function to preserve the battery
- Net weight approx. 0,95 kg
- Permissible ambient temperature 5 °C/35 °C

### Accessories

- Protective working cover, scope of delivery: 5 items, for models with weighing plate size
  - A** KERN 440-210-002S05, € 44,-
  - B** KERN 440-330-002S05, € 44,-
  - C** KERN 440-450-002S05, € 44,-
  - D** KERN 440-530-002S05, € 44,-
- Internal rechargeable battery pack, operating time up to 20 h without backlight, charging time approx. 10 h, KERN FCB-A01, € 54,-
- For models with weighing plate size **B-D**: Hook for underfloor weighing, KERN 440-A01, € 27,-
- 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 and YKE-01
- Further details, plenty of further accessories and suitable printers see *Accessories*

#### STANDARD



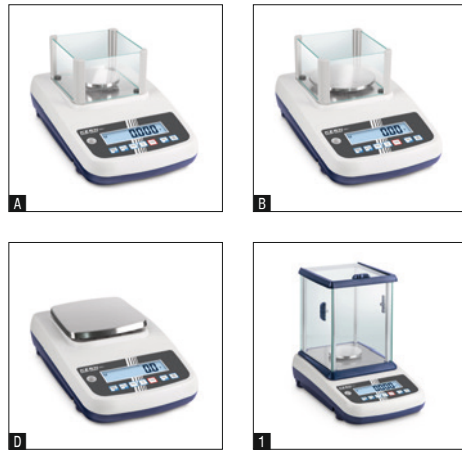
#### OPTION



Model	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Options	
							DAkkS KERN	Calibr. Certificate €
440-21A	60	0,001	0,001	± 0,003	<b>A</b>	380,-	963-127	98,-
440-33N	200	0,01	0,01	± 0,02	<b>B</b>	300,-	963-127	98,-
440-35N	400	0,01	0,01	± 0,03	<b>B</b>	350,-	963-127	98,-
440-35A	600	0,01	0,01	± 0,03	<b>B</b>	380,-	963-127	98,-
440-43N	400	0,1	0,1	± 0,2	<b>C</b>	220,-	963-127	98,-
440-45N	1000	0,1	0,1	± 0,2	<b>C</b>	250,-	963-127	98,-
440-47N	2000	0,1	0,1	± 0,2	<b>C</b>	300,-	963-127	98,-
440-49N	4000	0,1	0,1	± 0,3	<b>D</b>	350,-	963-127	98,-
440-49A	6000	0,1	0,1	± 0,3	<b>D</b>	380,-	963-128	118,-
440-51N	4000	1	1	± 2	<b>D</b>	170,-	963-127	98,-
440-53N	6000	1	1	± 2	<b>D</b>	230,-	963-128	118,-

ONLY WHILE STOCKS LAST





## High-quality precision balance with automatic internal adjustment, verification optional

### Features

- **NEW:** EWJ 600-3/EWJ 6000-2: The measuring system's exceptionally high resolution of 600.000 points ensures the highest level of accuracy with large weighing ranges
- **NEW:** Weighing with tolerance range (check-weighing): a visual and audible signal helps with portioning, dispensing or grading
- Standardised, convenient KERN concept of operation: 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 bargraph display lights up to show how much of the weighing range is still available

- KERN EWJ/-H/-M: USB data interface for transferring weighing data to the PC, printer etc.
- Small draught shield as standard for models with weighing plate size **A**, **B**, removable, Weighing space W×D×H 134×128×80 mm
- **1** KERN EWJ 300-3H/EWJ 600-3: 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
- Protective working cover included with delivery

### Technical data

- Large LCD display, digit height 21 mm
- Dimensions weighing surface, stainless steel
  - A** ø 80 mm
  - B** ø 120 mm
  - C** ø 135 mm, see larger picture
  - D** W×D 155×145 mm
- Permissible ambient temperature
  - KERN EWJ: 15 °C/35 °C
  - KERN EWJ-M: 15 °C/30 °C

### Accessories

- Protective working cover, scope of delivery 5 items, KERN EWJ-A04S05, € 44,-
- Internal rechargeable battery pack, operating time up to 57 h without backlight, charging time approx. 6,5 h, KERN EWJ-A06, € 45,-
- KERN EWJ/-H/-M: Software BalanceConnection, for flexible recording or transmission of measured values, in particular also to Microsoft® Excel or Access as well as transfer of this data to other Apps and programs, for more details see internet, scope of supplies: 1 CD, 1 license, KERN SCD-4.0, € 210,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

### STANDARD



### OPTION



### FACTORY



Model	Weighing capacity [Max] g	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Overall dimensions W×D×H mm	Weighing plate	Price excl. of VAT ex works €	Options			
									Verification M II KERN	€	DAKKS Calibr. Certificate DAKKS KERN	€
<b>KERN EWJ 300-3H</b>	300	0,001	-	-	± 0,005	220×340×321	<b>A</b>	<b>620,-</b>	-	-	963-127	98,-
<b>KERN EWJ 300-3</b>	300	0,001	-	-	± 0,005	220×340×90	<b>A</b>	<b>600,-</b>	-	-	963-127	98,-
<b>KERN EWJ 600-3</b> <small>NEW</small>	600	0,001	-	-	± 0,005	220×340×321	<b>B</b>	<b>700,-</b>	-	-	963-103	162,-
<b>KERN EWJ 3000-2</b>	3000	0,01	-	-	± 0,05	220×340×105	<b>C</b>	<b>550,-</b>	-	-	963-127	98,-
<b>KERN EWJ 6000-2</b> <small>NEW</small>	6000	0,01	-	-	± 0,05	220×340×105	<b>D</b>	<b>650,-</b>	-	-	963-104	184,-
Note: For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order. The initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification.												
<b>KERN EWJ 600-2M</b>	600	0,01	0,1	0,5	± 0,03	220×340×90	<b>B</b>	<b>510,-</b>	965-216	85,-	963-127	98,-
<b>KERN EWJ 6000-1M</b>	6000	0,1	1	5	± 0,3	220×340×105	<b>D</b>	<b>490,-</b>	965-217	99,-	963-128	118,-
Variants without data interfaces												
<b>KERN EWJ 600-2SM</b>	600	0,01	0,1	0,5	± 0,03	220×340×90	<b>B</b>	<b>500,-</b>	965-216	85,-	963-127	98,-
<b>KERN EWJ 6000-1SM</b>	6000	0,1	1	5	± 0,3	220×340×105	<b>D</b>	<b>480,-</b>	965-217	99,-	963-128	118,-

NEW New model

NEW BASIC  
★★★



3



PCJ 6000-1M



PCJ 600-2M

### Precision balance with alibi memory and optional verification



Internal adjustment using the rotary control on the side guarantees a high degree of accuracy and means it can be used in any location

**Features**

- With alibi memory for paperless archiving of weighing results. This also means the results of weighings with mandatory verification can be electronically evaluated and processed further
- The balance can be adjusted in battery operation without the need for mains power
- Standardised, convenient KERN concept of operation, consistency across products in terms of design, menu structure, button functions, interface connection and interface protocol
- Menu with a large number of settings which can be adapted to your requirements. For example, you can specify button tones, assign a button with different functions for rapid access and adapt the print protocol as necessary
- Menu block prevents access by unauthorised users
- Ideal for connection to laboratory information systems (LIMS)
- GLP/ISO record keeping of weighing data, balance adjustment, etc. with date, time and identification number
- Industry 4.0: KERN Universal Port (KUP): permits the connection of an external KUP interface adapter, such as, for example, RS-232, USB, Bluetooth, WiFi or Ethernet, for the exchange of data and control commands, without any installation outlay
- Data query and remote control of the balance using a computer or CRM/ERP systems using the KERN Communication Protocol
- For further information on KUP and KCP see page 20/21
- Hook for underfloor weighing included with the delivery
- Protective working cover included with delivery

**Technical data**

- Backlit LCD display, digit height 21 mm
- Dimensions weighing surface, stainless steel
  - A** WxD 130x130 mm
  - B** WxD 150x170 mm
- Overall dimensions WxDxH 163x245x80 mm
- Battery operation, 4x1.5 V AA standard, operating time up to 20 h
- Permissible ambient temperature 15 °C/35 °C

**Accessories**

- Protective working cover, scope of delivery: 5 items, KERN YBA-A12S05, **€ 44,-**
- Internal rechargeable battery pack, operating time up to 48 h without backlight, charging time approx. 8 h, KERN YKR-01, **€ 35,-**
- External universal mains adapter, with universal input and optional input socket adapters for EU, CH, GB, US, KERN YKA-24, **€ 43,-**
- External data interface RS-232, interface cable included, KERN KUP-01, **€ 60,-**
- External data interface USB, interface cable included, KERN KUP-03, **€ 75,-**
- External data interface Ethernet, KERN KUP-04, **€ 115,-**
- External data interface WiFi, interface cable included, KERN KUP-05, **€ 75,-**
- Bluetooth interface adapter, KERN KUP-06, **€ 99,-**
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13, **€ 75,-**
- Software BalanceConnection, for flexible recording or transmission of measured values, in particular also to Microsoft® Excel or Access as well as transfer of this data to other Apps and programs, for more details see internet, scope of supplies: 1 CD, 1 license, KERN SCD-4.0, **€ 210,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

3

The main scope of applications is:

- Laboratories
- Chemists
- Jewellers
- Pharmaceutical industry

STANDARD

OPTION

FACTORY

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Linearity	Weighing plate	Net weight	Price excl. of VAT ex works €	Verification	Options	DAkKS Calibr. Certificate
KERN	g	g	g	g	g	kg	kg	€	KERN	€	KERN
<b>PCJ 600-2M</b>	600	0,01	0,1	0,5	± 0,03	<b>A</b>	2,0	<b>430,-</b>	965-216	85,-	963-127
<b>PCJ 6000-1M</b>	6000	0,1	1	5	± 0,3	<b>B</b>	2,8	<b>440,-</b>	on request		963-128

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

**New model**

3



• Protective working cover included with delivery

### All-rounder, e.g. as precision balance in the laboratory or in harsh industrial applications, ideal for the diverse possibilities of Industry 4.0 applications

#### Features

- Thanks to the many typical laboratory functions, such as, for example, recipe function, percentage determination, 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
- KERN Universal Port (KUP): permits the connection of an external KUP interface adapter, such as, for example, RS-232, USB, Bluetooth, WiFi or Ethernet, for the exchange of data and control commands, without any installation outlay
- KERN Communication Protocol (KCP): The KCP permits searching and remote control of the ba-

lance using external control devices or computers

- For further information on KUP and KCP see page 20/21
- Standardised, simplified concept of operation
- 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
- **A** Ring-shaped draught shield standard, only for models with weighing plate size **A**, weighing space  $\varnothing \times H$  157×43 mm
- Level indicator to level the balance precisely
- Underfloor weighing: load support on the underside of the balance for models. Loop for underfloor weighing, standard for models with weighing plate size **A**

#### Technical data

- Large backlit LCD display, Digit height 21 mm
- Dimensions weighing surface, stainless steel
  - A**  $\varnothing$  106 mm
  - B**  $\varnothing$  150 mm
  - C** W×D 160×200 mm, see larger picture
- Overall dimensions W×D×H 180×310×85 mm
- Net weight **A**, **B** approx. 2,4 kg **C** approx. 2,8 kg
- Permissible ambient temperature -10 °C/40 °C

#### Accessories

- Protective working cover, scope of delivery: 5 items, KERN 572-A02S05, **€ 44,-**
- Internal rechargeable battery pack, operating time up to 48 h without backlight, charging time approx. 8 h, KERN YKR-01, **€ 35,-**
- External data interface RS-232, interface cable included, KERN KUP-01, **€ 60,-**
- External data interface USB, interface cable included, KERN KUP-03, **€ 75,-**
- Interface adapter Ethernet, KERN KUP-04, **€ 115,-**
- Interface adapter WiFi, KERN KUP-05, **€ 75,-**
- Bluetooth interface adapter, KERN KUP-06, **€ 99,-**
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13, **€ 75,-**
- **B**, **C** Hook for underfloor weighing, KERN 572-A03, **€ 25,-**
- **1** 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, **€ 250,-**

STANDARD

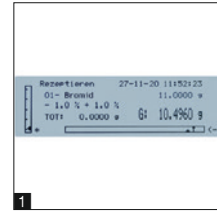
CAL EXT KUP PROTOCOL PRINTER PCS RECIPE PERCENT UNIT TOL MOVE UNDER MULTI DMS 1 DAY

OPTION

ET RS 232 USB BT WIFI LAN UNDER +3 DAYS DAKKS ACCU

**A** **B** **C**

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Resolution	Weighing plate	Price excl. of VAT ex works €	Options DAKkS Calibr. Certificate
KERN	g	g	g	g	Points		€	DAKkS KERN €
572-30	240	0,001	0,001	± 0,003	240.000	<b>A</b>	750,-	963-127 98,-
572-31	300	0,001	0,002	± 0,005	300.000	<b>A</b>	765,-	963-127 98,-
572-32	420	0,001	0,002	± 0,005	420.000	<b>A</b>	775,-	963-127 98,-
572-33	1600	0,01	0,01	± 0,03	160.000	<b>B</b>	735,-	963-127 98,-
572-35	2400	0,01	0,01	± 0,03	240.000	<b>B</b>	750,-	963-127 98,-
572-37	3000	0,01	0,02	± 0,05	300.000	<b>B</b>	765,-	963-127 98,-
572-39	4200	0,01	0,02	± 0,05	420.000	<b>B</b>	775,-	963-127 98,-
572-45	12000	0,05	0,05	± 0,15	240.000	<b>C</b>	750,-	963-128 118,-
572-55	20000	0,05	0,1	± 0,25	400.000	<b>C</b>	775,-	963-128 118,-
572-43	10000	0,1	0,1	± 0,3	100.000	<b>C</b>	730,-	963-128 118,-
572-49	16000	0,1	0,1	± 0,3	160.000	<b>C</b>	735,-	963-128 118,-
572-57	24000	0,1	0,1	± 0,3	240.000	<b>C</b>	760,-	963-128 118,-



3

## High-quality precision scale with comfortable graphic display and enormous weighing range

### Features

- 1 Convenient recipe-weighing: with the recipe database, up to 99 recipes can be stored, each with up to 20 recipe ingredients with name and target value
- Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display
- Dosage aid: High stability mode and other filter settings can be selected
- Rapid and efficient operation thanks to the graphics display
- Simple, clear user interface on the display in the following languages: DE, EN, FR, IT, ES, PT

- KERN PLJ: Automatic internal adjustment, guarantees high degree of accuracy and makes the balance independent of its location of use. Ideal for applications which require verification, such as gold and jewellery purchasing
- 2 PLJ 2000-3A: High-quality milligram balance with enormous weighing range up to 2100 g – ideal for large samples or heavy tare containers. Large glass draught shield for easy access to the items being weighed. Weighing space W×D×H 160×170×225 mm
- Ring-shaped draught shield standard, only for models with weighing plate size A, weighing space ø×H 150×60 mm

- Protective working cover included with delivery

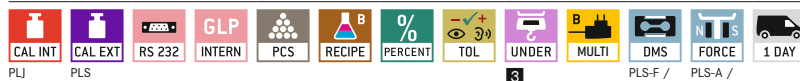
### Technical data

- Backlit LCD graphic display, digit height 15 mm
- Dimensions weighing surface, stainless steel  
A ø 110 mm B ø 160 mm C W×D 200×175 mm
- Permissible ambient temperature 15 °C/35 °C

### Accessories

- Protective working cover, scope of delivery 5 items, KERN PLJ-A01S05, € 44,-
- 3 Hook for underfloor weighing, KERN PLJ-A02, € 32,-
- Set for density determination of liquids and solids for models with [d] = 0,001 g, KERN ALT-A02, € 750,-
- Minimum weight of sample, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, € 10,-
- Equipment qualification: compliant qualification concept which includes the following validation services, Installation Qualification (IQ), Operating Qualification (OQ), for details see page 230

### STANDARD



### OPTION



### FACTORY



Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Linearity	Overall dimensions W×D×H	Weighing plate	Price excl. of VAT ex works	Verification	Options
KERN	g	g	g	g	g	mm		€	KERN	DAkkS Calibr. Certificate
PLS 420-3F	420	0,001	-	-	± 0,004	210×340×160	A	880,-	-	963-127
PLS 720-3A	720	0,001	-	-	± 0,002	210×340×160	A	1150,-	-	963-103
PLS 1200-3A	1200	0,001	-	-	± 0,003	210×340×160	A	1180,-	-	963-103
PLS 4200-2F	4200	0,01	-	-	± 0,04	210×340×120	B	830,-	-	963-127
PLS 6200-2A	6200	0,01	-	-	± 0,03	210×340×120	B	1160,-	-	963-104
PLS 8000-2A	8200	0,01	-	-	± 0,04	210×340×120	B	1380,-	-	963-104
PLS 20000-1F	20000	0,1	-	-	± 0,4	210×340×120	C	760,-	-	963-128

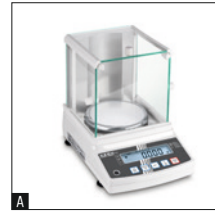
PLJ 420-3F	420	0,001	-	-	± 0,003	210×340×160	A	960,-	-	963-127
PLJ 720-3A	720	0,001	-	-	± 0,002	210×340×160	A	1300,-	-	963-103
PLJ 1200-3A	1200	0,001	-	-	± 0,003	210×340×160	A	1380,-	-	963-103
PLJ 2000-3A	2100	0,001	-	-	± 0,004	210×340×330	A	1900,-	-	963-103
PLJ 4200-2F	4200	0,01	-	-	± 0,04	210×340×120	B	950,-	-	963-127
PLJ 6200-2A	6200	0,01	-	-	± 0,05	210×340×120	B	1280,-	-	963-104

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

PLJ 720-3AM	720	0,001	0,01	0,02	± 0,002	210×340×160	A	1350,-	965-216	85,-	963-103	162,-
PLJ 6200-2AM	6200	0,01	0,1	0,5	± 0,05	210×340×120	B	1330,-	965-217	99,-	963-104	184,-

ONLY WHILE STOCKS LAST

3



## The new standard in the laboratory with robust tuning fork weighing system, also with optional verification

### Features

- KERN PNS: Adjusting program CAL for quick setting of the balance accuracy using an external test weight at an additional price, see *Test Weights*
- KERN PNJ: Automatic internal adjustment, guarantees high degree of accuracy and makes the balance independent of its location of use. Ideal for applications which require verification, such as gold and jewellery purchasing
- High-quality tuning fork weighing system for rapid display of the weight, very precise dispensing and a high level of mechanical robustness
- Capacity display: A bargraph display 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

- **A** Large glass draught shield with 3 sliding doors for easy access to the items being weighed: for models with weighing plate size **A**, Weighing space W×D×H 172×171×160 mm
- Protective working cover included with delivery

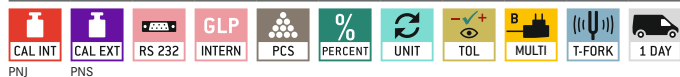
### Technical data

- Large LCD display, digit height 16,5 mm
- Dimensions weighing surface, stainless steel
  - A** Ø 140 mm
  - B** W×D 190×190 mm
- Overall dimensions W×D×H
  - A** 196×293×266 mm
  - B** 196×293×89 mm
- Permissible ambient temperature 5 °C/40 °C

### Accessories

- Protective working cover, scope of delivery 5 items, KERN PNJ-A01S05, € 44,-
- **1** Gemstones plate, aluminium with practical spout, W×D×H 130×80×30 mm, KERN AEJ-A05, € 43,-
- Minimum weight of sample, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, € 10,-
- Equipment qualification: compliant qualification concept which includes the following validation services, Installation Qualification (IQ), Operating Qualification (OQ), for details see page 230
- Further details, plenty of further accessories and suitable printers see *Accessories*

### STANDARD



### OPTION



### FACTORY



Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Linearity	Weighing plate	Net weight kg	Price excl. of VAT ex works €	Verification	Options	DAkkS Calibr. Certificate
KERN	g	g	g	g	g			€	KERN €	KERN	€
<b>PNS 600-3</b>	620	0,001	-	-	± 0,004	<b>A</b>	2,2	<b>820,-</b>	-	963-103	162,-
<b>PNS 3000-2</b>	3200	0,01	-	-	± 0,02	<b>B</b>	2,8	<b>740,-</b>	-	963-127	98,-
<b>PNS 12000-1</b>	12000	0,1	-	-	± 0,2	<b>B</b>	2,8	<b>720,-</b>	-	963-128	118,-
Note: For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order. The initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification.											
<b>PNJ 600-3M</b>	620	0,001	0,01	0,02	± 0,004	<b>A</b>	4,2	<b>950,-</b>	965-216 85,-	963-103	162,-
<b>PNJ 3000-2M</b>	3200	0,01	0,1	0,5	± 0,02	<b>B</b>	3,6	<b>890,-</b>	965-216 85,-	963-127	98,-
<b>PNJ 12000-1M</b>	12000	0,1	1	5	± 0,2	<b>B</b>	3,8	<b>870,-</b>	965-217 99,-	963-128	118,-



## The classic balance with robust tuning fork measuring system

### Features

- **1** KERN EG: 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
- Stable temperature behaviour
- Short stabilisation time
- Shock proof construction
- High corner load performance
- Capacity display: A bargraph display lights up to show how much of the weighing range is still available
- Totalising of pieces when counting
- Draught shield standard for models with weighing plate size **A**, weighing space W×D×H 158×130×78 mm

- Protective working cover included with delivery

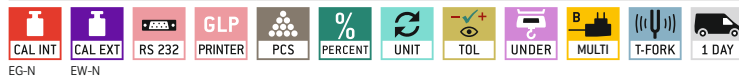
### Technical data

- 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  
**A** 185×235×165 mm **B, C** 180×235×75 mm
- Net weight  
**A** ca. 2,0 kg, **B** ca. 1,6 kg, **C** ca. 4,0 kg
- Permissible ambient temperature 10 °C/30 °C

### Accessories

- Protective working cover, scope of delivery: 5 items, for models with weighing plate size  
**A, B** KERN EG-A05S05, € 44,-  
**C** KERN EG-A09S05, € 44,-
- Internal rechargeable battery pack, operating time up to 12 h with backlight, charging time approx. 12 h, for models with weighing plate size  
**A, B** KERN EG-A04, € 130,-  
**C** KERN EG-A06, € 130,-
- **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, KERN EG-A03, € 260,-
- Loop for underfloor weighing, for models with weighing plate size  
**A, B** KERN EG-A07, € 46,-  
**C** KERN EG-A08, € 46,-
- Minimum weight of sample, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkKS calibration certificate, KERN 969-103, € 10,-
- Equipment qualification: compliant qualification concept which includes the following validation services, Installation Qualification (IQ), Operating Qualification (OQ), for details see page 230
- Further details, plenty of further accessories and suitable printers see *Accessories*

### STANDARD



### OPTION



### FACTORY



Model	Weighing capacity [Max] g	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Net weight kg	Price excl. of VAT ex works €	Options			
									Verification M KERN	€	DAkKS Calibr. KERN	Certificate €
EW 220-3NM	220	0,001	-	-	± 0,002	<b>A</b>	1,4	840,-	-	-	963-127	98,-
EW 420-3NM	420	0,001	-	-	± 0,003	<b>A</b>	1,4	970,-	-	-	963-127	98,-
EW 620-3NM	620	0,001	-	-	± 0,003	<b>A</b>	1,4	1080,-	-	-	963-103	162,-
EW 820-2NM	820	0,01	-	-	± 0,01	<b>B</b>	1,6	760,-	-	-	963-127	98,-
EW 2200-2NM	2200	0,01	-	-	± 0,01	<b>C</b>	3,0	930,-	-	-	963-127	98,-
EW 4200-2NM	4200	0,01	-	-	± 0,02	<b>C</b>	3,0	1030,-	-	-	963-127	98,-
EW 6200-2NM	6200	0,01	-	-	± 0,03	<b>C</b>	3,0	1120,-	-	-	963-104	184,-
EW 12000-1NM	12000	0,1	-	-	± 0,2	<b>C</b>	3,0	880,-	-	-	963-128	118,-

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

EG 220-3NM	220	0,001	0,01	0,02	± 0,002	<b>A</b>	2,0	1060,-	965-216	U	85,-	963-127	98,-
EG 420-3NM	420	0,001	0,01	0,02	± 0,003	<b>A</b>	1,8	1160,-	965-216	U	85,-	963-127	98,-
EG 620-3NM	620	0,001	0,01	0,1	± 0,004	<b>A</b>	2,0	1300,-	965-201	U	150,-	963-103	162,-
EG 2200-2NM	2200	0,01	0,1	0,5	± 0,01	<b>C</b>	4,0	1110,-	965-216	U	85,-	963-127	98,-
EG 4200-2NM	4200	0,01	0,1	0,5	± 0,02	<b>C</b>	4,0	1220,-	965-216	U	85,-	963-127	98,-

3



STANDARD  
★★



## High-resolution precision balance made of stainless steel with IP protection

### Features

- High-quality tuning fork weighing system for rapid display of the weight, very precise dispensing and a high level of mechanical robustness
- Thanks to the stainless steel design of the housing and platform with smooth surface, the scale is rust-free and easy to clean
- IP65 dust and spray protection (in accordance with EN 60529)
- Level indicator and levelling feet for precise levelling of the scale, fitted as standard
- **1** RS 232 data interface for connection to a printer as standard

### Technical data

- Large LCD display, digit height 16,5 mm
- Dimensions weighing surface, stainless steel  
**A**  $\varnothing$  140 mm  
**B** WxD 190x190 mm, see larger picture
- Overall dimensions WxDxH 320x205x90 mm
- Net weight approx. 3,0 kg
- Permissible ambient temperature 10 °C/30 °C

### Accessories

- Loop for underfloor weighing, KERN EG-A07, **€ 46,-**
- Software BalanceConnection, for flexible recording or transmission of measured values, in particular also to Microsoft® Excel or Access as well as transfer of this data to other Apps and programs, for more details see internet, scope of supplies: 1 CD, 1 license, KERN SCD-4.0, **€ 210,-**
- **2** Battery insert, enables mobile weighing, 4x1.5 V AA batteries (not included in delivery), Operating time 200 h, KERN PWS-A01, **€ 110,-**
- **3** Interface cable RS-232 to connect an external device, IP65 dust and spray protection (in accordance with EN 60529), KERN PWS-A02, **€ 390,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

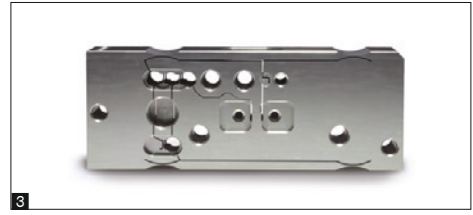
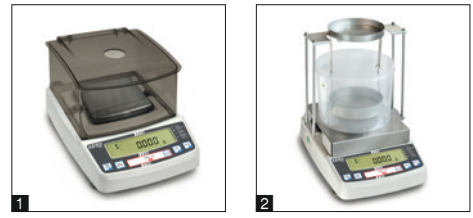
CAL EXT   RS 232   GLP   PCS   PERCENT   TOL   IP 65   MULTI   T-FORK   1 DAY

OPTION

UNDER   BATT   DAKKS +3 DAYS

Model	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Weighing plate	Price excl. of VAT ex works €	Options DAkKS Calibr. Certificate DAkKS KERN	€
<b>KERN PWS 800-2</b>	820	0,01	0,01	± 0,01	<b>A</b>	<b>1120,-</b>	963-127	98,-
<b>PWS 3000-1</b>	3200	0,1	0,1	± 0,1	<b>B</b>	<b>1020,-</b>	963-127	98,-
<b>PWS 8000-1</b>	8200	0,1	0,1	± 0,1	<b>B</b>	<b>1150,-</b>	963-128	118,-





3

## Multifunctional laboratory balance with single-cell weighing system, verification optional

### Features

- KERN PBS: Adjusting program CAL for quick setting of the balance accuracy using an external test weight at an additional price, see *Test Weights*
- KERN PBJ: 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
- 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
- Summation of weight values
- Identification number: 4 digits, printed on calibration protocol freely programmable
- Automatic data output to the PC/printer each time the balance is steady

- **1** Draught shield standard for models with weighing plate size **A**, weighing space W×D×H 180×193×87 mm
- Protective working cover included with delivery

### Technical data

- Large backlit LCD display, Digit height 14 mm
- Dimensions weighing surface, stainless steel  
**A** W×D 112×112 mm  
**B** W×D 180×190 mm, see larger picture
- Overall dimensions (without draught shield) W×D×H: 210×330×70 mm
- Net weight approx. 4,2 kg
- Permissible ambient temperature 10 °C/30 °C

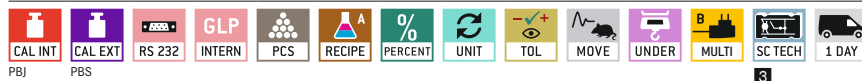
### 3 Single-cell advanced technology:

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

### Accessories

- Protective working cover, scope of delivery: 5 items, for models with weighing plate size  
**A** KERN PBS-A01S05, € 44,-  
**B** KERN PBS-A02S05, € 44,-
- **2** Set for density determination of liquids and solids with density ≥ 1, for models with weighing plate size  
**A** KERN PBS-A04, € 1950,-  
**B** KERN PBS-A03, € 1950,-
- Minimum weight of sample, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, € 10,-
- Equipment qualification: compliant qualification concept which includes the following validation services, Installation Qualification (IQ), Operating Qualification (OQ)
- Further details, plenty of further accessories and suitable printers see *Accessories*

#### STANDARD



#### OPTION



#### FACTORY

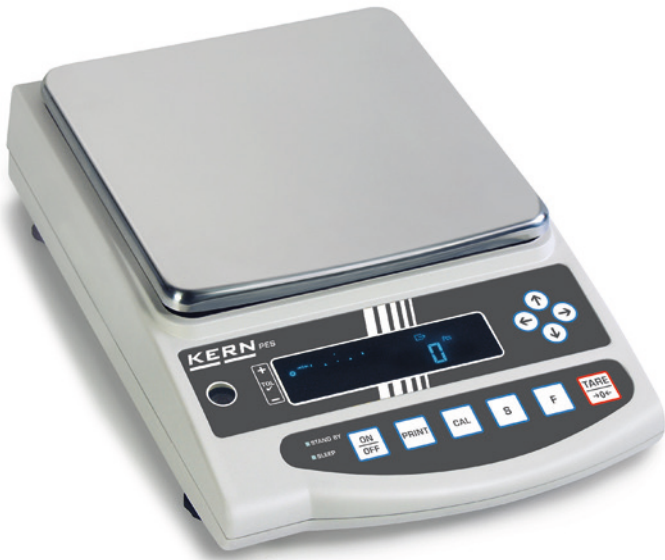
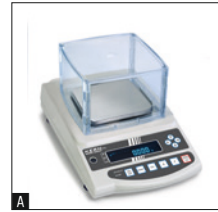


Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Linearity	Weighing plate	Net weight	Price excl. of VAT ex works €	Options			
									Verification M KERN	€	DAkkS Calibr. KERN	Certificate €
<b>PBS 620-3M</b>	620	0,001	-	-	± 0,002	<b>A</b>	3,2	1750,-	-	-	963-103	162,-
<b>PBS 4200-2M</b>	4200	0,01	-	-	± 0,02	<b>B</b>	3,2	1540,-	-	-	963-127	98,-
<b>PBS 6200-2M</b>	6200	0,01	-	-	± 0,02	<b>B</b>	3,4	1850,-	-	-	963-104	184,-

Note: For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order.

The initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification.

<b>PBJ 620-3M</b>	620	0,001	0,01	0,1	± 0,002	<b>A</b>	4,2	2050,-	965-201	150,-	963-103	162,-
<b>PBJ 4200-2M</b>	4200	0,01	0,1	0,5	± 0,02	<b>B</b>	5,0	1900,-	965-216	85,-	963-127	98,-
<b>PBJ 6200-2M</b>	6200	0,01	0,1	1	± 0,02	<b>B</b>	5,0	2300,-	965-202	150,-	963-104	184,-
<b>PBJ 8200-1M</b>	8200	0,1	1	5	± 0,2	<b>B</b>	5,0	1890,-	965-217	99,-	963-128	118,-



## Robust laboratory and industrial precision scale for heavy items, verification optional

### Features

- KERN PEJ: Automatic internal adjustment, guarantees high degree of accuracy and makes the balance independent of its location of use
- KERN PES: Adjusting program CAL for quick setting of the balance accuracy using an external test weight at an additional price, see *Test Weights*
- 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
- Draught shield standard for models with weighing plate size **A**, weighing space W×D×H 170×150×100 mm
- **A**, **B** Underfloor weighing: load support with hook on the underside of the balance for models

- A** Hook included with the delivery
- B** Hook not included with the delivery
- **A**, **B**: Protective working cover included with delivery

### 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 (without draught shield) W×D×H
  - A**, **B** 220×333×93 mm
  - C** 260×330×113 mm
- Permissible ambient temperature 10 °C/30 °C

### Accessories

- **A**, **B**: Protective working cover, scope of delivery: 5 items, KERN PES-A04S05, € 44,-
- KERN PES: Internal rechargeable battery pack, operating time up to 6 h with backlight, charging time approx. 15 h, KERN PES-A01, € 690,-
- Loop for underfloor weighing, for models with weighing plate size **B**, KERN PES-A03, € 43,-
- Relay output to connect relays, signal lamps, valves etc., 5 outputs for weighing in 3 tolerance ranges, must be ordered at purchase, KERN PES-A02, € 550,-
- Minimum weight of sample, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAKkS calibration certificate, KERN 969-103, € 10,-
- Equipment qualification: compliant qualification concept which includes the following validation services, Installation Qualification (IQ), Operating Qualification (OQ)
- Further details, plenty of further accessories and suitable printers see *Accessories*

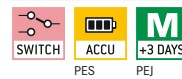
#### STANDARD



#### OPTION



#### FACTORY



Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Linearity	Weighing plate	Net weight	Price excl. of VAT ex works €	Verification	Options	DAKkS Calibr. Certificate
KERN	g	g	g	g	g	kg	kg	€	KERN	€	DAKkS KERN
PES 620-3M	620	0,001	-	-	± 0,003	<b>A</b>	3,6	1500,-	-	-	963-103
PES 2200-2M	2200	0,01	-	-	± 0,02	<b>B</b>	4,4	1050,-	-	-	963-127
PES 4200-2M	4200	0,01	-	-	± 0,02	<b>B</b>	4,0	1250,-	-	-	963-127
PES 6200-2M	6200	0,01	-	-	± 0,03	<b>B</b>	4,4	1550,-	-	-	963-104
PES 15000-1M	15000	0,1	-	-	± 0,2	<b>B</b>	4,4	1450,-	-	-	963-128
PES 31000-1M	31000	0,1	-	-	± 0,4	<b>C</b>	10,0	2450,-	-	-	963-128

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

PEJ 620-3M	620	0,001	0,01	0,1	± 0,003	<b>A</b>	4,4	1800,-	965-201	965,-	963-103	162,-
PEJ 4200-2M	4200	0,01	0,1	0,5	± 0,02	<b>B</b>	6,0	1550,-	965-216	85,-	963-127	98,-
PEJ 2200-2M	2200	0,01	0,1	0,5	± 0,02	<b>B</b>	6,0	1350,-	965-216	85,-	963-127	98,-



3



## High-capacity precision balance with password-protected user administration, also with optional verification

### Features

- KERN FEJ: Automatic internal adjustment, guarantees high degree of accuracy and makes the balance independent of its location of use
- KERN FES: Adjusting program CAL for quick setting of the balance accuracy using an external test weight at an additional price, see *Test Weights*
- Stainless steel display device with IP65 protection, hygienic and easy to clean
- Metal housing: robust and sturdy
- In order to meet requirements in the pharmaceutical industry, the balance is fitted with a user administration system, which enables unique assignment of users and protects against unauthorised access
- Intuitive concept of operation through info line on the display
- Freely-assignable function keys enable individual adjustment of the balance
- IP65 dust and spray protection (in accordance with EN 60529)

- U.S. FDA 21 Part 11: assists you in data integrity in accordance with U.S. FDA 21 Part 11 (for example weighing result, sample ID, user name, scales ID, ...)
- Protective working cover included with delivery

### Technical data

- Large backlit LCD display, digit height 16,5 mm
- Dimensions weighing surface, stainless steel, W×D 350×400 mm
- Dimensions of display device W×D×H 290×180×80 mm
- Overall dimensions W×D×H 350×520×170 mm
- Net weight approx. 19 kg
- Permissible ambient temperature: 5 °C/35 °C

### Accessories

- Protective working cover, scope of delivery 5 items, KERN FEJ-A02S05, € 44,-
- Internal rechargeable battery pack, operating time up to 10 h without backlight, charging time approx. 12 h, KERN FEJ-A01, € 760,-
- Relay output with 5 outputs for weighing in 3 tolerance ranges, KERN FEJ-A07, € 585,-
- 1 Stand to elevate display device, height of stand approx. 700 mm, KERN FEJ-A05, € 240,-
- Interface cable RS-232 to connect an external device, IP65 dust and spray protection (in accordance with EN 60529), KERN PWS-A02, € 390,-
- 2 Loop for underfloor weighing, KERN FEJ-A06, € 230,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

### STANDARD



### OPTION



### FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Net weight kg	Price excl. of VAT ex works €	Verification		Options	
								M II KERN	€	DAkKS KERN	Calibr. Certificate DAKKS KERN €
<b>FES 17K-4</b>	17	0,1	-	-	± 0,3	18	<b>2850,-</b>	-	-	963-128	118,-
<b>FES 33K-4</b>	33	0,1	-	-	± 0,3	18	<b>3000,-</b>	-	-	963-128	118,-
<b>FES 62K-4D</b>	6,2   62	0,1   1	-	-	± 0,3   3	18	<b>3300,-</b>	-	-	963-129	146,-
Note: For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order. The initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification.											
<b>FEJ 17K-4M</b>	17	0,1	1	5	± 0,3	19	<b>3080,-</b>	965-217	99,-	963-128	118,-
<b>FEJ 33K-4M</b>	33	0,1	1	5	± 0,3	19	<b>3340,-</b>	965-217	99,-	963-128	118,-
<b>FEJ 62K-4DM</b>	6,2   62	0,1   1	1	5	± 0,3   3	19	<b>3650,-</b>	965-218	135,-	963-129	146,-

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