KERN®

PRECISION BALANCES

Laboratory | Industry | Food Industry

PROFESSIONAL MEASURING

2025

KERN Pictograms

Internal adjusting
CAL INT
Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)

Adjusting program CAL
CAL EXT
For quick setting up of the balance's accuracy. External adjusting weight required

EasyTouch
ET
Suitable for the connection, data transmission and control through PC or tablet

Memory
MEMORY
Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.

Alibi memory
ALIBI
Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.

KERN Universal Port (KUP)
KUP
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

RS-232 Data interface
RS 232
To connect the balance to a printer, PC or network

RS-485 Data interface
RS 485
To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible

USB Data interface
USB
To connect the balance to a printer, PC or other peripherals

Bluetooth* Data interface
BT
To transfer data from the balance to a printer, PC or other peripherals

WIFI Data interface
WIFI
To transfer data from the balance to a printer, PC or other peripherals

Control outputs
SWITCH
(optocoupler, digital I/O) To connect relays, signal lamps, valves, etc.

Analogue interface
ANALOG
to connect a suitable peripheral device for analogue processing of the measurements

Interface for second balance
DUAL
For direct connection of a second balance

Network interface
LAN
For connecting the scale to an Ethernet network

KERN Communication Protocol (KCP)
KCP PROTOCOL
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

GLP/ISO log intern
GLP INTERN
The balance displays weight, date and time, independent of a printer connection

GLP/ISO log Printer
GLP PRINTER
With weight, date and time. Only with KERN printers.

Piece counting
PCS
Reference quantities selectable. Display can be switched from piece to weight

Recipe level A
RECIPE
The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out

Recipe level B
RECIPE
Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display

Totalising level A
SUM
The weights of similar items can be added together and the total can be printed out

Percentage determination
PERCENT
Determining the deviation in % from the target value (100 %)

Weighing units
UNIT
Can be switched to e.g. nonmetric units. See balance model. Please refer to KERN's website for more details

Weighing with tolerance range (Checkweighing)
TOL
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

Hold function
MOVE
(Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value

Protection against dust and water splashes IPxx
IP
The type of protection is shown in the pictogram

Suspended weighing
UNDER
Load support with hook on the underside of the balance

Battery operation
BATT
Ready for battery operation. The battery type is specified for each device

Rechargeable battery pack
ACCU
Rechargeable set

Universal plug-in power supply
MULTI
with universal input and optional input socket adapters for
A) EU, CH, GB
B) EU, CH, GB, US
C) EU, CH, GB, US, AUS

Plug-in power supply
230 V
230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available

Integrated power supply unit
230 V
Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request

Weighing principle Strain gauges
DMS
Electrical resistor on an elastic deforming body

Weighing principle Tuning fork
T-FORK
A resonating body is electromagnetically excited, causing it to oscillate

Weighing principle Electromagnetic force compensation
FORCE
Coil inside a permanent magnet. For the most accurate weighings

Weighing principle Single cell technology
SC TECH
Advanced version of the force compensation principle with the highest level of precision

Conformity Assessment
M +3 DAYS
The time required for conformity assessment is specified in the pictogram

DAkkS calibration possible (DKD)
DAkkS +3 DAYS
The time required for DAkkS calibration is shown in days in the pictogram

Factory calibration (ISO)
ISO +4 DAYS
The time required for Factory calibration is shown in days in the pictogram

Package shipment
1 DAY
The time required for internal shipping preparations is shown in days in the pictogram

Pallet shipment
2 DAYS
The time required for internal shipping preparations is shown in days in the pictogram

KERN Models A‑Z

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/m², 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

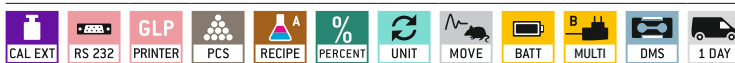## Technical data

- Large backlit LCD display, digit height 21 mm
- Dimensions weighing surface
  A ∅ 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 140×82×46 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, € 52,–
- 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 and YKN-01
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD | CAL EXT | RS 232 | PRINTER | PCS | RECIPE | PERCENT | UNIT | MOVE | BATT | MULTI | DMS | 1 DAY

OPTION | ACCU | DAkkS +3 DAYS

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Overall dimensions W×D×H	Weighing plate	Price excl. of VAT ex works	Options DAkkS Calibr. Certificate	
KERN	g	g	g	g	mm		€	DAkkS KERN	€
PCD 250-3	250	0,001	0,002	± 0,005	165×280×141	A	350,–	963-127	103,–
PCD 300-3	350	0,001	0,002	± 0,005	165×280×141	A	390,–	963-127	103,–
PCD 2500-2	2500	0,01	0,02	± 0,05	165×280×75	B	350,–	963-127	103,–
PCD 3000-2	3500	0,01	0,02	± 0,05	165×280×75	B	390,–	963-127	103,–
PCD 6K-4	6000	0,1	0,1	± 0,3	165×280×75	B	270,–	963-128	124,–
PCD 10K0.1	10000	0,1	0,1	± 0,3	165×280×75	B	290,–	963-128	124,–
PCD 10K-3	10000	1	1	± 3	165×280×75	B	210,–	963-128	124,–

3
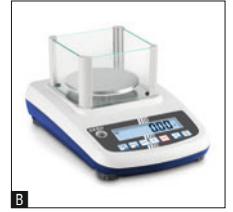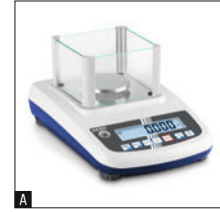
Quick-display precision balance with user-friendly concept of operation mode – now also with checkweighing function

Features

- KERN PFB 600-3, PFB 6000-2: The measuring system's exceptionally high resolution of 600.000 points ensures the highest level of accuracy with large weighing ranges
- Weighing with tolerance range: 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
- 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 Ⓐ, Ⓑ, removable, weighing space W×D×H 140×150×65 mm

Technical data

- Backlit LCD display, digit height 21 mm
- Dimensions weighing surface, stainless steel
  Ⓐ Ø 80 mm
  Ⓑ Ø 120 mm
  Ⓒ 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, **€ 52,–**
- 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,–**
- 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,–**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD											OPTION	FACTORY	
CAL EXT	RS 232	KCP PROTOCOL	GLP PRINTER	PCS	RECIPE	PERCENT	UNIT	TOL	MOVE	MULTI	DMS	1 DAY	DAkkS +3 DAYS	BT	ACCU

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	€
PFB 120-3	120	0,001	0,002	± 0,003	120.000	Ⓐ	370,–	963-127	103,–
PFB 200-3	200	0,001	0,002	± 0,004	200.000	Ⓐ	390,–	963-127	103,–
PFB 300-3	300	0,001	0,003	± 0,005	300.000	Ⓐ	420,–	963-127	103,–
PFB 600-3	600	0,001	0,005	± 0,005	600.000	Ⓑ	500,–	963-103	170,–
PFB 600-2	600	0,01	0,01	± 0,02	60.000	Ⓑ	320,–	963-127	103,–
PFB 1200-2	1200	0,01	0,02	± 0,03	120.000	Ⓑ	320,–	963-127	103,–
PFB 2000-2	2000	0,01	0,02	± 0,04	200.000	Ⓑ	340,–	963-127	103,–
PFB 3000-2	3000	0,01	0,03	± 0,05	300.000	Ⓑ	370,–	963-127	103,–
PFB 6000-2	6000	0,01	0,05	± 0,07	600.000	Ⓒ	450,–	963-104	193,–
PFB 6000-1	6000	0,1	0,1	± 0,2	60.000	Ⓒ	300,–	963-128	124,–

3

NEXT LEVEL
Easy Touch
FUNCTIONS

IoT ready

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
- 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 balance using external control devices or computers
- For further information on KUP and KCP see page 18/19
- 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: 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^2, 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 ∅×H 90×40 mm
- Protective working cover included with delivery
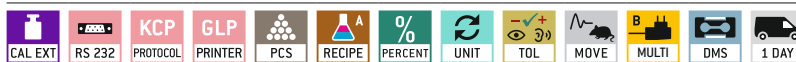
IoT-Line Compact Laboratory Balances KERN PCB

A

B

C

Technical data

- Backlit LCD display, digit height 21 mm
- Dimensions weighing surface
  - **A** ⌀ 82 mm
  - **B** ⌀ 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
- Overall dimensions (without draught shield) W×D×H 163×245×65 mm
- Optional battery operation, 4×1.5 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, **€ 52,–**
- Internal rechargeable battery pack, operating time up to 48 h without backlight, charging time approx. 8 h, KERN YKR-01, **€ 35,–**
- RS-232 interface adapter, KERN KUP-01, **€ 60,–**
- USB interface adapter, KERN KUP-03, **€ 75,–**
- Ethernet interface adapter, KERN KUP-04, **€ 115,–**
- WiFi interface adapter, 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,–**
- BalanceConnection software for flexible measured value recording or transmission, compatible with Microsoft® Excel, Access and other applications, Scope of supplies: Download link for 1 license, KERN SCD-4.0-DL, **€ 210,–**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

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

OPTION

| ET | RS 232 | USB | BT | WIFI | LAN | ACCU | DAkkS +3 DAYS |

Model KERN	Weighing capacity [Max] g	Readability [d] g	Reproducibility g	Linearity g	Resolution Points	Weighing plate	Price excl. of VAT ex works €	DAkkS KERN	€
PCB 200-3	200	0,001	0,001	± 0,005	200.000	A	310,–	963-127	103,–
PCB 300-3	360	0,001	0,001	± 0,005	360.000	A	320,–	963-127	103,–
PCB 300-2	300	0,01	0,01	± 0,02	30.000	B	250,–	963-127	103,–
PCB 1000-2	1200	0,01	0,01	± 0,03	120.000	C	290,–	963-127	103,–
PCB 3000-2	3600	0,01	0,02	± 0,05	360.000	C	310,–	963-127	103,–
PCB 2000-1	2000	0,1	0,1	± 0,2	20.000	C	230,–	963-127	103,–
PCB 6000-1	6000	0,1	0,1	± 0,3	60.000	D	250,–	963-128	124,–
PCB 10000-1	10000	0,1	0,1	± 0,3	100.000	D	260,–	963-128	124,–
PCB 6000-0	6000	1	1	± 2	6.000	D	170,–	963-128	124,–

NEXT LEVEL
Easy Touch
FUNCTIONS

IoT ready

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

IoT-Line Precision Balance KERN PCJ

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
- 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 balance using external control devices or computers
- For further information on KUP and KCP see page 18/19
- 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
  - Ⓐ W×D 131×131 mm
  - Ⓑ W×D 150×170 mm
- Overall dimensions W×D×H 163×245×80 mm
- Battery operation, 4×1.5 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, **€ 52,–**
- 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,–**
- RS-232 interface adapter, KERN KUP-01, **€ 60,–**
- USB interface adapter, KERN KUP-03, **€ 75,–**
- Ethernet interface adapter, KERN KUP-04, **€ 115,–**
- WiFi interface adapter, 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,–**
- BalanceConnection software for flexible measured value recording or transmission, compatible with Microsoft® Excel, Access and other applications, Scope of supplies: Download link for 1 license, KERN SCD-4.0-DL, **€ 210,–**
- Further details, plenty of further accessories and suitable printers see *Accessories*

The main scope of applications is:
- Laboratories
- Chemists
- Jewellers
- Pharmaceutical industry

STANDARD

| CAL INT | MEMORY | ALIBI | KUP | KCP PROTOCOL | GLP INTERN | PCS | RECIPE | PERCENT | UNIT | TOL | MOVE | UNDER | BATT | MULTI | DMS | 1 DAY |

OPTION

| ET | RS 232 | USB | BT | WIFI | LAN | ACCU | DAkkS +3 DAYS |

FACTORY

| M +3 DAYS |

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		DAkkS Calibr. Certificate	
KERN	g	g	g	g	g		kg	€	Ⓜ KERN	€	DAkkS KERN	€
PCJ 600-2M	600	0,01	0,1	0,5	± 0,03	Ⓐ	2,0	**420,–**	965-216	85,–	963-127	103,–
PCJ 6000-1M	6000	0,1	1	5	± 0,3	Ⓑ	2,8	**440,–**	965-217	99,–	963-128	124,–

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.

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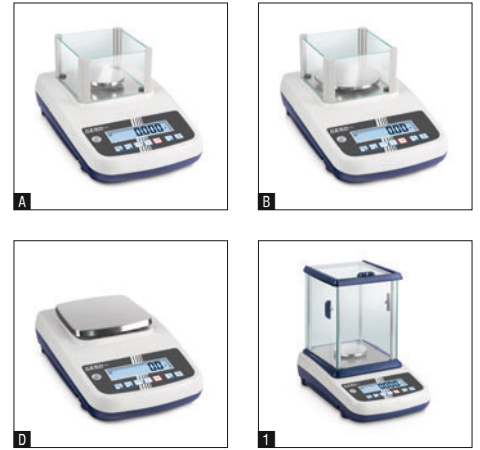
High-quality precision balance with automatic internal adjustment, verification optional

Features

- 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
- Weighing with tolerance range: 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: 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
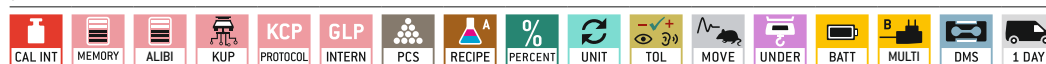 KERN EWJ: 10 °C/35 °C
  KERN EWJ-M: 10 °C/35 °C

Accessories

- Protective working cover, scope of delivery 5 items, KERN EWJ-A04S05, **€ 52,–**
- Internal rechargeable battery pack, operating time up to 57 h without backlight, charging time approx. 6,5 h, KERN EWJ-A06, **€ 45,–**
- 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,–**
- KERN EWJ/-H/-M: BalanceConnection software for flexible measured value recording or transmission, compatible with Microsoft® Excel, Access and other applications, Scope of supplies: Download link for 1 license, KERN SCD-4.0-DL, **€ 210,–**
- Further details, plenty of further accessories and suitable printers see *Accessories*
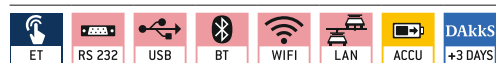
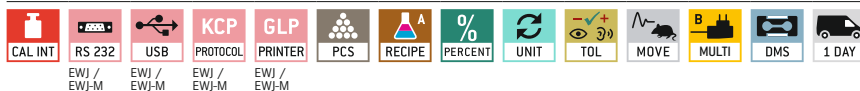| STANDARD												OPTION		FACTORY	
CAL INT	RS 232	USB	KCP PROTOCOL	GLP PRINTER	PCS	RECIPE	PERCENT	UNIT	TOL	MOVE	MULTI	DMS	1 DAY	ACCU	DAkkS +3 DAYS	BT	+3 DAYS
	EWJ / EWJ-M	EWJ / EWJ-M	EWJ / EWJ-M	EWJ / EWJ-M													EWJ-M / EWJ-SM

Model	Weighing capacity [Max]	Read-ability [d]	Verification value [e]	Minimal load [Min]	Linearity	Overall dimensions W×D×H	Weighing plate	Price excl. of VAT ex works	Options			
									Verification		DAkkS Calibr. Certificate	
KERN	g	g	g	g	g	mm		€	M KERN	€	DAkkS KERN	€
EWJ 300-3H	300	0,001	-	-	± 0,005	220×340×321	A	600,–	-	-	963-127	103,–
EWJ 300-3	300	0,001	-	-	± 0,005	220×340×90	A	580,–	-	-	963-127	103,–
EWJ 600-3	600	0,001	-	-	± 0,005	220×340×105	B	690,–	-	-	963-103	170,–
EWJ 3000-2	3000	0,01	-	-	± 0,05	220×340×105	C	530,–	-	-	963-127	103,–
EWJ 6000-2	6000	0,01	-	-	± 0,05	220×340×105	D	640,–	-	-	963-104	193,–

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.

Model	Weighing capacity [Max]	Read-ability [d]	Verification value [e]	Minimal load [Min]	Linearity	Overall dimensions W×D×H	Weighing plate	Price excl. of VAT ex works	M KERN	€	DAkkS KERN	€
EWJ 600-2M	600	0,01	0,1	0,5	± 0,03	220×340×90	B	500,–	965-216	85,–	963-127	103,–
EWJ 6000-1M	6000	0,1	1	5	± 0,3	220×340×105	D	480,–	965-217	99,–	963-128	124,–
Variants without data interfaces												
EWJ 600-2SM	600	0,01	0,1	0,5	± 0,03	220×340×90	B	470,–	965-216	85,–	963-127	103,–
EWJ 6000-1SM	6000	0,1	1	5	± 0,3	220×340×105	D	450,–	965-217	99,–	963-128	124,–

NEXT LEVEL
Easy Touch
FUNCTIONS

IoT ready ✓

3

- Ⓐ Ring-shaped draught shield standard, only for models with weighing plate size Ⓐ, weighing space ∅×H 157×43 mm
- Level indicator to level the balance precisely
- Load support on the underside of the balance for models. Loop for underfloor weighing, standard for models with weighing plate size Ⓐ
- Protective working cover included with delivery

Technical data

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

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 combined with the high level of precision, the KERN 572 is a reliable partner for day-to-day work in the laboratory
- Many typical industrial functions, such as piece-counting and vibrationfree weighing 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 balance using external control devices or computers
- For further information on KUP and KCP see page 18/19
- 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/m², or similar
- The robust aluminium diecast housing maintains the stability, protects the weighing technology elements and is robust enough to cope with everyday use

Accessories

- Protective working cover, scope of delivery 5 items, KERN 572-A02S05, **€ 52,–**
- Internal rechargeable battery pack, operating time up to 48 h without backlight, charging time approx. 8 h, KERN YKR-01, **€ 35,–**
- Interface adapter,
  RS-232, KERN KUP-01, **€ 60,–**
  USB, KERN KUP-03, **€ 75,–**
  Ethernet, KERN KUP-04, **€ 115,–**
  WiFi, KERN KUP-05, **€ 75,–**
  Bluetooth, KERN KUP-06, **€ 99,–**
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13, **€ 75,–**
- Ⓑ, Ⓒ Hook for underfloor weighing, KERN 572-A03, **€ 25,–**
- Large glass draught shield with 3 sliding doors for easy access to the items being weighed for models with weighing plate size Ⓐ, weighing space W×D×H 150×140×130 mm, KERN 572-A05, **€ 250,–**

STANDARD

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

Ⓐ

OPTION

| ET | RS 232 | USB | BT | WIFI | LAN | UNDER | DAkkS +3 DAYS |

Ⓑ Ⓒ

FACTORY

| ACCU |

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	Ⓐ	750,–	963-127	103,–
572-31	300	0,001	0,002	± 0,005	300.000	Ⓐ	765,–	963-127	103,–
572-32	420	0,001	0,002	± 0,005	420.000	Ⓐ	775,–	963-127	103,–
572-33	1600	0,01	0,01	± 0,03	160.000	Ⓑ	735,–	963-127	103,–
572-35	2400	0,01	0,01	± 0,03	240.000	Ⓑ	750,–	963-127	103,–
572-37	3000	0,01	0,02	± 0,05	300.000	Ⓑ	765,–	963-127	103,–
572-39	4200	0,01	0,02	± 0,05	420.000	Ⓑ	775,–	963-127	103,–
572-45	12000	0,05	0,05	± 0,15	240.000	Ⓒ	750,–	963-128	124,–
572-55	20000	0,05	0,1	± 0,25	400.000	Ⓒ	770,–	963-128	124,–
572-43	10000	0,1	0,1	± 0,3	100.000	Ⓒ	730,–	963-128	124,–
572-49	16000	0,1	0,1	± 0,3	160.000	Ⓒ	735,–	963-128	124,–
572-57	24000	0,1	0,1	± 0,3	240.000	Ⓒ	760,–	963-128	124,–

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
- 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
- 2 KERN 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
- A Ring-shaped draught shield standard, only for models with weighing plate size A, weighing space ⌀×H 150×60 mm
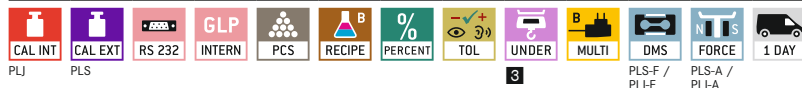- Protective working cover included with delivery

Technical data

- Backlit LCD graphic display, digit height 15 mm
- Dimensions weighing surface, stainless steel
  - A ⌀ 110 mm
  - B ⌀ 160 mm, see larger picture
  - 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, **€ 52,–**
- 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, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, **€ 10,–**
- Equipment qualification: compliant qualification concept with Installation and Operating Qualification (IQ, OQ), for details see page 222

STANDARD											OPTION	FACTORY
CAL INT	CAL EXT	RS 232	GLP INTERN	PCS	RECIPE	PERCENT	TOL	UNDER	MULTI	DMS	FORCE	1 DAY	DAkkS +3 DAYS	M +3 DAYS
PLJ	PLS							3		PLS-F / PLJ-F	PLS-A / PLJ-A			PLJ-M

Model KERN	Weighing capacity [Max] g	Readability [d] g	Reproduci-bility g	Linearity g	Overall dimensions W×D×H mm	Net weight kg	Weighing plate	Price excl. of VAT ex works €	Options DAkkS Calibr. Certificate		
									DAkkS KERN	€	
Models with external adjustment											
PLS 420-3F	420	0,001	0,001	± 0,004	210×340×160	3,2	A	860,–	963-127	103,–	
PLS 720-3A	720	0,001	0,001	± 0,002	210×340×160	4,8	A	1170,–	963-103	170,–	
PLS 1200-3A	1200	0,001	0,001	± 0,003	210×340×160	4,8	A	1200,–	963-103	170,–	
PLS 4200-2F	4200	0,01	0,01	± 0,04	210×340×120	3,2	B	820,–	963-127	103,–	
PLS 6200-2A	6200	0,01	0,01	± 0,03	210×340×120	4,8	B	1150,–	963-104	193,–	
PLS 8000-2A	8200	0,01	0,01	± 0,04	210×340×120	4,8	B	1400,–	963-104	193,–	
PLS 20000-1F	20000	0,1	0,1	± 0,4	210×340×120	3,2	C	750,–	963-128	124,–	
Models with internal adjustment											
PLJ 420-3F	420	0,001	0,001	± 0,003	210×340×160	5,0	A	960,–	963-127	103,–	
PLJ 720-3A	720	0,001	0,001	± 0,002	210×340×160	5,0	A	1280,–	963-103	170,–	
PLJ 1200-3A	1200	0,001	0,001	± 0,003	210×340×160	5,0	A	1360,–	963-103	170,–	
PLJ 2000-3A	2100	0,001	0,002	± 0,004	210×340×330	7	A	1880,–	963-103	170,–	
PLJ 4200-2F	4200	0,01	0,02	± 0,04	210×340×120	5,0	B	930,–	963-127	103,–	
PLJ 6200-2A	6200	0,01	0,01	± 0,05	210×340×120	5,0	B	1280,–	963-104	193,–	

Precision Balances KERN PNS · PNJ

3
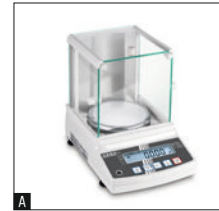
The new standard in the laboratory with robust tuning fork weighing system, with optional verification

Features

- KERN PNS: Adjusting program CAL for quick setting of the balance accuracy, external test weights 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
- 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
- The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- Compact size
- 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 ⌀ 140 mm
  B W×D 190×190 mm, see larger picture
- 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, **€ 52,–**
- 1 Gemstones plate, aluminium with practical spout, W×D×H 130×80×30 mm, KERN AEJ-A05, **€ 43,–**
- Minimum weight of sample, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, **€ 10,–**
- Equipment qualification: compliant qualification concept with Installation and Operating Qualification (IQ, OQ), for details see page 222
- Further details, plenty of further accessories and suitable printers see *Accessories*

Model KERN	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 €	Verification M KERN	€	DAkkS Calibr. Certificate DAkkS KERN	€
PNS 600-3	620	0,001	-	-	± 0,004	A	2,2	820,–	-	-	963-103	170,–
PNS 3000-2	3200	0,01	-	-	± 0,02	B	2,8	740,–	-	-	963-127	103,–
PNS 12000-1	12000	0,1	-	-	± 0,2	B	2,8	720,–	-	-	963-128	124,–

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.

Model KERN	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 €	Verification M KERN	€	DAkkS Calibr. Certificate DAkkS KERN	€
PNJ 600-3M	620	0,001	0,01	0,02	± 0,004	A	4,2	950,–	965-216	85,–	963-103	170,–
PNJ 3000-2M	3200	0,01	0,1	0,5	± 0,02	B	3,6	890,–	965-216	85,–	963-127	103,–
PNJ 12000-1M	12000	0,1	1	5	± 0,2	B	3,8	870,–	965-217	99,–	963-128	124,–

3

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

- **A** Draught shield standard for models with weighing plate size **A**, weighing space W×D×H 158×130×78 mm
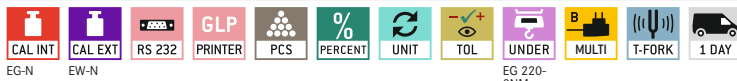- Protective working cover included with delivery

Technical data

- Large LCD display, digit height 17 mm
- Dimensions weighing surface, stainless steel
  A ∅ 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
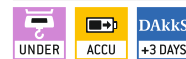- Permissible ambient temperature 10 °C/30 °C

Accessories

- Protective working cover, scope of delivery 5 items, for models with weighing plate size **A**, **B** KERN EG-A05S05, **€ 52,–**
  C KERN EG-A09S05, **€ 52,–**
- 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, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, **€ 10,–**
- Equipment qualification: compliant qualification concept with Installation and Operating Qualification (IQ, OQ), for details see page 222
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD										OPTION		FACTORY
CAL INT	CAL EXT	RS 232	PRINTER GLP	PCS	PERCENT %	UNIT	TOL	UNDER	MULTI	T-FORK	1 DAY	UNDER	ACCU	DAkkS +3 DAYS	+3 DAYS M
EG-N	EW-N							EG 220-3NM							EG-N

Model KERN	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 KERN	Verification €	DAkkS Calibr. Certificate DAkkS KERN	DAkkS €
EW 220-3NM	220	0,001	-	-	± 0,002	A	1,4	**840,–**	-	-	963-127	103,–
EW 420-3NM	420	0,001	-	-	± 0,003	A	1,4	**970,–**	-	-	963-127	103,–
EW 620-3NM	620	0,001	-	-	± 0,003	A	1,4	**1080,–**	-	-	963-103	170,–
EW 820-2NM	820	0,01	-	-	± 0,01	B	1,6	**760,–**	-	-	963-127	103,–
EW 2200-2NM	2200	0,01	-	-	± 0,01	C	3,0	**930,–**	-	-	963-127	103,–
EW 4200-2NM	4200	0,01	-	-	± 0,02	C	3,0	**1030,–**	-	-	963-127	103,–
EW 6200-2NM	6200	0,01	-	-	± 0,03	C	3,0	**1120,–**	-	-	963-104	193,–
EW 12000-1NM	12000	0,1	-	-	± 0,2	C	3,0	**880,–**	-	-	963-128	124,–

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.

Model KERN	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 €	Verification KERN	Verification €	DAkkS KERN	DAkkS €
EG 220-3NM	220	0,001	0,01	0,02	± 0,002	A	2,0	**1060,–**	965-216	85,–	963-127	103,–
EG 420-3NM	420	0,001	0,01	0,02	± 0,003	A	1,8	**1160,–**	965-216	85,–	963-127	103,–
EG 620-3NM	620	0,001	0,01	0,1	± 0,004	A	2,0	**1300,–**	965-201	150,–	963-103	170,–
EG 2200-2NM	2200	0,01	0,1	0,5	± 0,01	C	4,0	**1110,–**	965-216	85,–	963-127	103,–
EG 4200-2NM	4200	0,01	0,1	0,5	± 0,02	C	4,0	**1220,–**	965-216	85,–	963-127	103,–

3

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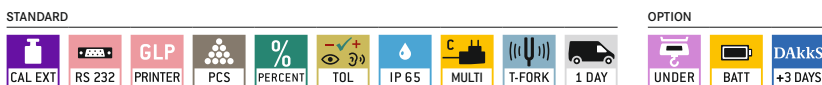
Features

- 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 ∅ 140 mm
  B W×D 190×190 mm, see larger picture
- Overall dimensions W×D×H 320×205×90 mm
- Net weight approx. 3,0 kg
- Permissible ambient temperature 10 °C/30 °C

Accessories

- Loop for underfloor weighing, KERN EG-A07, **€ 46,–**
- BalanceConnection software for flexible measured value recording or transmission, compatible with Microsoft® Excel, Access and other applications, scope of supplies: Download link for 1 license, KERN SCD-4.0-DL, **€ 210,–**
- **2** Battery insert, enables mobile weighing, 4×1.5 V AA batteries (not included in delivery), Operating time 200 h, KERN PWS-A01, **€ 118,–**
- **3** Interface cable RS-232 to connect an external device, IP65 dust and spray protection (in accordance with EN 60529), KERN PWS-A02, **€ 300,–**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

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

OPTION

| UNDER | BATT | DAkkS +3 DAYS |

Model	Weighing capacity	Readability	Reproducibility	Linearity	Weighing plate	Price excl. of VAT ex works	Options	
							DAkkS Calibr. Certificate	
	[Max]	[d]					DAkkS	
KERN	g	g	g	g		€	KERN	€
PWS 800-2	820	0,01	0,01	± 0,01	**A**	**1160,–**	963-127	103,–
PWS 3000-1	3200	0,1	0,1	± 0,1	**B**	**1020,–**	963-127	103,–
PWS 8000-1	8200	0,1	0,1	± 0,1	**B**	**1150,–**	963-128	124,–

3
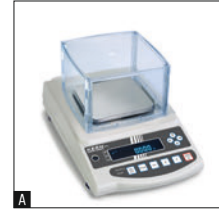
Robust laboratory and industrial precision scale for heavy items, verification optional

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, external test weights at an additional price, see test weights
- Metal housing: robust and sturdy
- Weighing with tolerance range: a visual and audible signal helps with 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
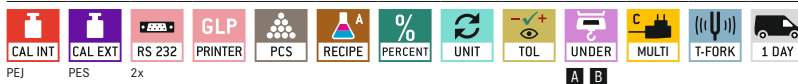- **A**, **B** Protective working cover included with delivery

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, **€ 52,–**
- 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, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, **€ 10,–**
- Equipment qualification: compliant qualification concept with Installation and Operating Qualification (IQ, OQ), for details see page 222
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD | OPTION | FACTORY

CAL INT	CAL EXT	RS 232	GLP PRINTER	PCS	RECIPE	PERCENT	UNIT	TOL	UNDER	MULTI	T-FORK	1 DAY	DAkkS +3 DAYS	SWITCH	M +3 DAYS
PEJ	PES	2x							**A B**						PEJ

Model KERN	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 €	Verification KERN	€	DAkkS Calibr. Certificate DAkkS KERN	€
PES 620-3M	620	0,001	-	-	± 0,003	**A**	3,4	**1500,–**	-	-	963-103	170,–
PES 2200-2M	2200	0,01	-	-	± 0,02	**B**	4,4	**1060,–**	-	-	963-127	103,–
PES 4200-2M	4200	0,01	-	-	± 0,02	**B**	4,4	**1250,–**	-	-	963-127	103,–
PES 6200-2M	6200	0,01	-	-	± 0,03	**B**	4,4	**1550,–**	-	-	963-104	193,–
PES 15000-1M	15000	0,1	-	-	± 0,2	**B**	4,4	**1480,–**	-	-	963-128	124,–
PES 31000-1M	31000	0,1	-	-	± 0,4	**C**	10	**2450,–**	-	-	963-128	124,–

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.

Model KERN	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 €	Verification KERN	€	DAkkS Calibr. Certificate DAkkS KERN	€
PEJ 620-3M	620	0,001	0,01	0,1	± 0,003	**A**	4,4	**1800,–**	965-201	150,–	963-103	170,–
PEJ 4200-2M	4200	0,01	0,1	0,5	± 0,02	**B**	6	**1550,–**	965-216	85,–	963-127	103,–
PEJ 2200-2M	2200	0,01	0,1	0,5	± 0,02	**B**	6	**1350,–**	965-216	85,–	963-127	103,–

3

2 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

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

Features

- KERN PBS: Adjusting program CAL for quick setting of the balance accuracy, external test weights 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: 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

- **A** Draught shield standard for models with weighing plate size **A**, weighing space W×D×H 180×193×87 mm, removable
- 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
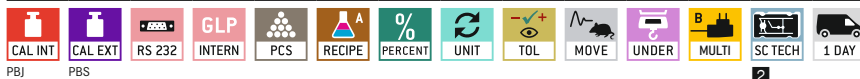- Permissible ambient temperature 10 °C/30 °C

Accessories

- Protective working cover, scope of delivery 5 items, for models with weighing plate size
  A KERN PBS-A01S05, **€ 52,–**
  B KERN PBS-A02S05, **€ 52,–**
- **1** 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, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, **€ 10,–**
- Equipment qualification: compliant qualification concept with Installation and Operating Qualification (IQ, OQ), for details see page 222
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD · OPTION · FACTORY

CAL INT	CAL EXT	RS 232	GLP INTERN	PCS	RECIPE	PERCENT	UNIT	TOL	MOVE	UNDER	MULTI	SC TECH	1 DAY	DAkkS +3 DAYS	M +3 DAYS
PBJ	PBS											2			PBJ

Model KERN	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 €	Verification M KERN	€	DAkkS Calibr. Certificate DAkkS KERN	€
PBS 620-3M	620	0,001	-	-	± 0,002	A	3,2	**1750,–**	-	-	963-103	170,–
PBS 4200-2M	4200	0,01	-	-	± 0,02	B	3,2	**1540,–**	-	-	963-127	103,–
PBS 6200-2M	6200	0,01	-	-	± 0,02	B	3,4	**1850,–**	-	-	963-104	193,–

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.

| Model KERN	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 €	Verification KERN	€	DAkkS Calibr. Certificate KERN	€
PBJ 620-3M	620	0,001	0,01	0,1	± 0,002	A	4,2	**2050,–**	965-201	150,–	963-103	170,–
PBJ 4200-2M	4200	0,01	0,1	0,5	± 0,02	B	5,0	**1900,–**	965-216	85,–	963-127	103,–
PBJ 6200-2M	6200	0,01	0,1	1	± 0,02	B	5,0	**2300,–**	965-202	150,–	963-104	193,–
PBJ 8200-1M	8200	0,1	1	5	± 0,2	B	5,0	**1890,–**	965-217	99,–	963-128	124,–

3

NEW

NEXT LEVEL
Easy Touch
FUNCTIONS
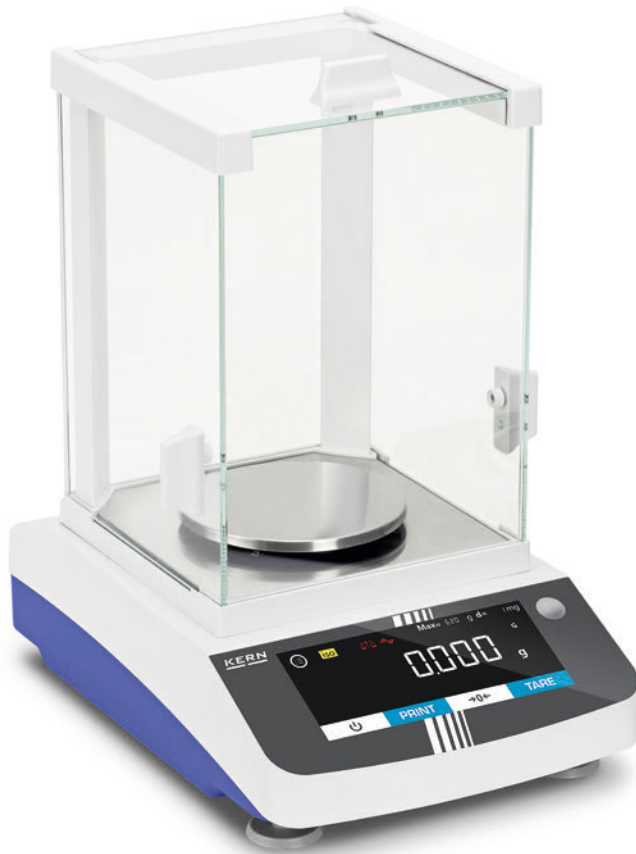
Precision balance with flexible functionality and touch display

The modern touch display enables convenient operation
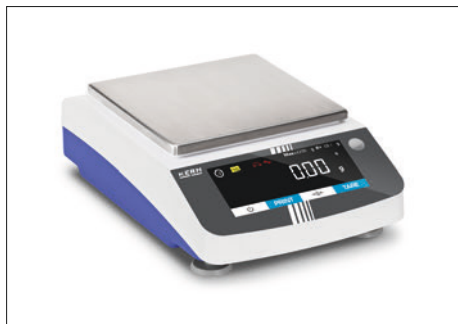
Also available with a larger weighing surface

In a GLP-compliant print protocol all weights can be documented, including date, time and identification number.

Precision Balance KERN PDS · PDT

Features

- The wide range of functions of this range of precision balances means that they qualify for use in the pharmaceutical industry as well as other fields. These include, for example, the statistical function, weighing with tolerance range, counting function, percentage weighing, totalizing function and many more
- Modern touch display with convenient operation enables you to, for example, switch the units or start adjustment straight from the display
- The Windows Direct function allows weights to be transferred directly from the balance to a Windows application via a USB device connection, without the need for manual entry
- Draught shield standard for models with [d] = 0,001 g, weighing space W×D×H 174×162×228 mm
- GLP/ISO record keeping with date, time and identification number of balance adjustment or weighing process
- Assists in data integrity in accordance with U.S. FDA 21 Part 11 (for example weighing result, sample ID, user name, scales ID, ...)
- KERN Communication Protocol (KCP): The KCP permits searching and remote control of the balance using external control devices or computers, see page 19
- Underfloor weighing: load support on the underside of the balance for models. Loop for underfloor weighing, standard
- RS 232 data interface and USB (Device) for the transfer of weighing data
- Menu language EN

Technical data

- Backlit LCD display, digit height 20 mm
- Dimensions weighing surface, stainless steel
  - Ⓐ ∅ 115 mm
  - Ⓑ W×D 185×185 mm
- Overall dimensions W×D×H
  - Ⓐ 207×318×360 mm
  - Ⓑ 207×318×110 mm
- Permissible ambient temperature 15 °C/25 °C

Accessories

- Protective dust cover, KERN ABS-A08, **€ 32,–**
- Weighing table to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03, **€ 990,–**
- Antivibration plate 400×450×60 mm, KERN YPS-04, **€ 760,–** 565×450×60 mm, KERN YPS-05, **€ 980,–**
- Ioniser to neutralise electrostatic charge, KERN ABP-A01, **€ 1990,–**
- Equipment qualification: compliant qualification concept with Installation and Operating Qualification (IQ, OQ), for details see page 222
- Further details, plenty of further accessories and suitable printers see *Accessories*

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

STANDARD

CAL INT	CAL EXT	RS 232	USB	KCP PROTOCOL	GLP INTERN	PCS	RECIPE	PERCENT	UNIT	TOL	MOVE	UNDER	MULTI	FORCE	1 DAY
PDT	PDS													

OPTION

ET · DAkkS +3 DAYS

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Net weight	Weighing plate	Price excl. of VAT ex works €	Options DAkkS Calibr. Certificate	
KERN	g	g	g	g	kg			DAkkS KERN	€
Models with external adjustment									
PDS 300-3	320	0,001	0,003	± 0,003	6	Ⓐ	**1200,–**	963-127	103,–
PDS 600-3	620	0,001	0,003	± 0,003	6	Ⓐ	**1740,–**	963-103	170,–
PDS 1000-3	1020	0,001	0,004	± 0,005	6	Ⓐ	**2100,–**	963-103	170,–
PDS 2000-2	2200	0,01	0,03	± 0,03	3,6	Ⓑ	**1300,–**	963-127	103,–
PDS 4000-2	4200	0,01	0,03	± 0,03	3,6	Ⓑ	**1500,–**	963-127	103,–
PDS 6000-2	6200	0,01	0,03	± 0,03	3,6	Ⓑ	**1720,–**	963-104	193,–
Models with internal adjustment									
PDT 300-3	320	0,001	0,003	± 0,003	6	Ⓐ	**1400,–**	963-127	103,–
PDT 600-3	620	0,001	0,003	± 0,003	6	Ⓐ	**1940,–**	963-103	170,–
PDT 1000-3	1020	0,001	0,004	± 0,005	6	Ⓐ	**2300,–**	963-103	170,–
PDT 2000-2	2200	0,01	0,03	± 0,03	3,6	Ⓑ	**1500,–**	963-127	103,–
PDT 4000-2	4200	0,01	0,03	± 0,03	3,6	Ⓑ	**1700,–**	963-127	103,–
PDT 6000-2	6200	0,01	0,03	± 0,03	3,6	Ⓑ	**1920,–**	963-104	193,–

High-capacity precision balance with password-protected user administration, 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, external test weights at an additional price, see *Test Weights*
- Stainless steel display device with IP65 protection, hygienic and easy to clean
- Metal housing: robust and sturdy
- User administration enables unique assignment of users and protects against unauthorised access
- 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 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, **€ 52,–**
- 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, **€ 250,–**
- Interface cable RS-232 to connect an external device, IP65 dust and spray protection (in accordance with EN 60529), KERN PWS-A02, **€ 300,–**
- **2** Loop for underfloor weighing, KERN FEJ-A06, **€ 240,–**
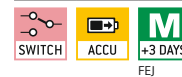- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD | **OPTION** | **FACTORY**

| CAL INT FEJ | CAL EXT FES | RS 232 | GLP INTERN | PCS | RECIPE | PERCENT | UNIT | TOL | IP 65 | MULTI | T-FORK | 1 DAY | UNDER | DAkkS +3 DAYS | SWITCH | ACCU | M +3 DAYS FEJ |

Model	Weighing capacity	Readability	Verification value	Minimal load	Linearity	Price excl. of VAT ex works	Options			
							Verification		DAkkS Calibr. Certificate	
	[Max]	[d]	[e]	[Min]			M KERN		DAkkS KERN	
KERN	g	g	g	g	g	€		€		€
FES 17K-4	17000	0,1	-	-	± 0,3	**2850,–**	-	-	963-128	124,–
FES 33K-4	33000	0,1	-	-	± 0,3	**3000,–**	-	-	963-128	124,–
FES 62K-4D	6200 | 62000	0,1 | 1	-	-	± 0,3 | 3	**3300,–**	-	-	963-129	153,–

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.

Model	Weighing capacity	Readability	Verification value	Minimal load	Linearity	Price excl. of VAT ex works	Verification M KERN	€	DAkkS KERN	€
FEJ 17K-4M	17000	0,1	1	5	± 0,3	**3080,–**	965-217	99,–	963-128	124,–
FEJ 33K-4M	33000	0,1	1	5	± 0,3	**3340,–**	965-217	99,–	963-128	124,–
FEJ 62K-4DM	6200 | 62000	0,1 | 1	1	5	± 0,3 | 3	**3650,–**	965-218	135,–	963-129	153,–

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