3

PRECISION BALANCES

Precise technology for every application

KERN precision balances stand for reliable measuring results and maximum accuracy – tailored to the most diverse requirements in the laboratory and production environment. The range extends from easy-to-use models for basic applications to powerful devices with extensive functions for particularly demanding tasks. This means that there is a suitable solution for almost every application - whether for daily routine use or for highly specialised processes with increased demands on precision, traceability and efficiency.

The balances are based on proven measuring principles such as the tuning fork weighing principle, the strain gauge or the electromagnetic force compensation system and impress with their robust design and sophisticated functionality. Thanks to rapid display times and countless laboratory functions, including data transfer interfaces, recipe functions and GLP-compliant documentation, they can be flexibly integrated into a wide variety of working environments. Whether in research, in quality assurance, in the production of recipes or in the precise weighing of the smallest quantities in production, KERN precision balances reliably support users in maintaining defined standards and process reliability.

Modern features help to optimise work processes and ensure consistent data processing.
With this variety of designs, performance levels and options, KERN offers the right precision balance for every requirement.

Tip: Together with the innovative KERN EasyTouch app, a premium laboratory balance supports its users in their typical workflows and increases the range of functions of the balance. In this way these scales can be operated more efficiently and quickly than devices from other quality classes. In particular, these balances are used in demanding laboratory applications and anywhere where the environmental conditions are not ideal because of vibrations or other interference, but where, naturally, the balance is expected to provide accurate weighing results. Another field of application for these balances is the pharmaceutical industry, which is subject to particularly demanding requirements such as, for example, the GLP (Good Laboratory Practice).

Digital weighing data – with KERN EasyTouch

Discover KERN EasyTouch - innovative software, which combines the precision of our tried and tested KERN balances with the versatility of Windows or Android environments.

What benefits does KERN EasyTouch offer?

· Digital processing and saving of weighing data directly in the process
· Greater efficiency through streamlined workflows
· Increased safety for critical processes
· Unlimited master data memory
· Central, secure data storage (tamper-proof and traceable at any time)
· Interfaces to Excel, ERP, PPS and CRM systems

This is how KERN EasyTouch works:

1. Collection of weighing and measuring data using an appropriate measuring device
2. Transfer, saving and processing in relation to master data such as item data, order data, batch data and user data
3. Output or transfer of data to connected systems or peripheral devices

Tip: Turn your balance into a powerful weighing system!

Using the KERN EasyTouch App even a simple single balance can be made into a powerful weighing system, which offers a range of functions. To do this you simply have to install the KERN EasyTouch App on your PC or tablet (Windows® or Android™), connect the balance (either with cable or wireless), activate the App and you will be able to control your balance using your PC or tablet straightaway (see page 136).

This symbol will show you which balances are compatible with EasyTouch

Quick-Finder Precision Balances

Readability [d] g	Weighing capacity [Max] g	Model KERN	Page	M			RS 232	GLP				
				For an explanation on the pictos, see the front flap								
0,001	120	**PFB 120-3**	25				●	●	●	●	●		○
0,001	200	**PCB 200-3**	26				●	○		●	●	●	○
0,001	200	**PFB 200-3**	25				●	●	●	●	●		○
0,001	220	**EW 220-3NM**	32				●	●					○
0,001	220	**EG 220-3NM**	32	○	●			●					○
0,001	240	**572-30**	29				●	○		●	●		○
0,001	250	**PCD 250-3**	24				●	●		●		●	○
0,001	300	**PFB 300-3**	25				●	●	●	●	●		○
0,001	300	**EWJ 300-3**	28		●			●	●	●	●		○
0,001	300	**EWJ 300-3H**	28		●			●	●	●	●		○
0,001	300	**572-31**	29				●	○		●	●		○
0,001	320	**PDS 300-3**	36				●	●	●	●	●		
0,001	320	**PDT 300-3**	36		●			●	●	●	●		
0,001	350	**PCD 300-3**	24				●	●		●		●	○
0,001	360	**PCB 300-3**	26				●	○		●	●	●	○
0,001	420	**572-32**	29				●	○		●	●		○
0,001	420	**PLS 420-3F**	30				●	●	●		●		
0,001	420	**PLJ 420-3F**	30		●			●	●		●		
0,001	420	**EW 420-3NM**	32				●	●					○
0,001	420	**EG 420-3NM**	32	○	●			●					○
0,001	600	**PFB 600-3**	25				●	●	●	●	●		○
0,001	600	**EWJ 600-3**	28		●			●	●	●	●		○
0,001	620	**PNS 600-3**	31				●	●	●				
0,001	620	**PNJ 600-3M**	31	○	●			●	●				
0,001	620	**EW 620-3NM**	32				●	●					○
0,001	620	**EG 620-3NM**	32	○	●			●					○
0,001	620	**PES 620-3M**	34				●	●		●			
0,001	620	**PDS 600-3**	36				●	●	●	●	●		
0,001	620	**PEJ 620-3M**	34	○	●			●		●			
0,001	620	**PDT 600-3**	36		●			●	●	●	●		
0,001	720	**PLS 720-3A**	30				●	●	●		●		
0,001	720	**PLJ 720-3A**	30		●			●	●		●		
0,001	1020	**PDS 1000-3**	36				●	●	●	●	●		
0,001	1020	**PDT 1000-3**	36		●			●	●	●	●		
0,001	1200	**PLS 1200-3A**	30				●	●	●		●		
0,001	1200	**PLJ 1200-3A**	30		●			●	●		●		
0,001	2100	**PLJ 2000-3A**	30		●			●	●		●		
0,01	300	**PCB 300-2**	26				●	○		●	●	●	○
0,01	600	**PFB 600-2**	25				●	●	●	●	●		○
0,01	600	**PCJ 600-2M**	26	○	●			○	●	●	●	●	○
0,01	600	**EWJ 600-2SM**	28	○	●					●	●		○
0,01	600	**EWJ 600-2M**	28	○	●			●	●	●	●		○
0,01	820	**EW 820-2NM**	32				●	●					○
0,01	820	**PWS 800-2**	33				●	●			●	○	
0,01	1200	**PCB 1000-2**	26				●	○		●	●	●	○
0,01	1200	**PFB 1200-2**	25				●	●	●	●	●		○
0,01	1600	**572-33**	29				●	○		●	●		○
0,01	2000	**PFB 2000-2**	25				●	●	●	●	●		○
0,01	2200	**EW 2200-2NM**	32				●	●					○
0,01	2200	**PES 2200-2M**	34				●	●		●			
0,01	2200	**EG 2200-2NM**	32	○	●			●					○
0,01	2200	**PDS 2000-2**	36				●	●	●	●	●		
0,01	2200	**PEJ 2200-2M**	34	○	●			●		●			
0,01	2200	**PDT 2000-2**	36		●			●	●	●	●		
0,01	2400	**572-35**	29				●	○		●	●		○
0,01	2500	**PCD 2500-2**	24				●	●		●		●	○
0,01	3000	**PFB 3000-2**	25				●	●	●	●	●		○
0,01	3000	**EWJ 3000-2**	28		●			●	●	●	●		○
0,01	3000	**572-37**	29				●	○		●	●		○
0,01	3200	**PNS 3000-2**	31				●	●	●				
0,01	3200	**PNJ 3000-2M**	31	○	●			●	●				
0,01	3500	**PCD 3000-2**	24				●	●		●		●	○
0,01	3600	**PCB 3000-2**	26				●	○		●	●	●	○
0,01	4200	**572-39**	29				●	○		●	●		○
0,01	4200	**PLS 4200-2F**	30				●	●	●		●		
0,01	4200	**PLJ 4200-2F**	30		●			●	●		●		
0,01	4200	**EW 4200-2NM**	32				●	●					○
0,01	4200	**EG 4200-2NM**	32	○	●			●					○
0,01	4200	**PES 4200-2M**	34				●	●		●			
0,01	4200	**PDS 4000-2**	36				●	●	●	●	●		
0,01	4200	**PEJ 4200-2M**	34	○	●			●		●			

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● Standard ○ Option

Quick-Finder Precision Balances

Readability [d] g	Weighing capacity [Max] g	Model KERN	Page	M			RS 232	GLP				
				For an explanation on the pictos, see the front flap								
0,01	4200	**PDT 4000-2**	36		●		●	●	●	●		
0,01	6000	**PFB 6000-2**	25			●	●	●	●	●		○
0,01	6000	**EWJ 6000-2**	28		●		●	●	●	●		○
0,01	6200	**PLS 6200-2A**	30			●	●	●		●		
0,01	6200	**EW 6200-2NM**	32			●	●					○
0,01	6200	**PLJ 6200-2A**	30		●		●	●		●		
0,01	6200	**PES 6200-2M**	34			●	●		●			
0,01	6200	**PDS 6000-2**	36			●	●	●	●	●		
0,01	6200	**PDT 6000-2**	36		●		●	●	●	●		
0,01	8200	**PLS 8000-2A**	30			●	●	●		●		
0,01	10200	**PDS 10K-5**	36		●	●	●	●	●	●		
0,05	12000	**572-45**	29			●	○		●	●		○
0,05	20000	**572-55**	29			●	○		●	●		○
0,1	2000	**PCB 2000-1**	26			●	○		●	●	●	○
0,1	3200	**PWS 3000-1**	33			●	●			●	○	
0,1	6000	**PCB 6000-1**	26			●	○		●	●	●	○
0,1	6000	**PCD 6K-4**	24			●	●		●		●	○
0,1	6000	**PFB 6000-1**	25			●	●	●	●	●		○
0,1	6000	**PCJ 6000-1M**	26	○	●		○	●	●	●	●	○
0,1	6000	**EWJ 6000-1SM**	28	○	●				●	●		○
0,1	6000	**EWJ 6000-1M**	28	○	●		●	●	●	●		○
0,1	8200	**PWS 8000-1**	33			●	●			●	○	
0,1	10000	**PCB 10000-1**	26			●	○		●	●	●	○
0,1	10000	**PCD 10K0.1**	24			●	●		●		●	○
0,1	10000	**572-43**	29			●	○		●	●		○
0,1	12000	**PNS 12000-1**	31			●	●	●				
0,1	12000	**PNJ 12000-1M**	31	○	●		●	●				
0,1	12000	**EW 12000-1NM**	32			●	●					○
0,1	15000	**PES 15000-1M**	34			●	●		●			
0,1	16000	**572-49**	29			●	○		●	●		○
0,1	17000	**FES 17K-4**	35			●	●	●	●	●		○
0,1	17000	**FEJ 17K-4M**	35	○	●		●	●	●	●		○
0,1	20000	**PLS 20000-1F**	30			●	●	●		●		
0,1	24000	**572-57**	29			●	○		●	●		○
0,1	31000	**PES 31000-1M**	34			●	●		●			
0,1	33000	**FES 33K-4**	35			●	●	●	●	●		○
0,1	33000	**FEJ 33K-4M**	35	○	●		●	●	●	●		○
0,1 | 1	6200 | 62000	**FES 62K-4D**	35			●	●	●	●	●		○
0,1 | 1	6200 | 62000	**FEJ 62K-4DM**	35	○	●		●	●	●	●		○
1	6000	**PCB 6000-0**	26			●	○		●	●	●	○
1	10000	**PCD 10K-3**	24			●	●		●		●	○

☐ News 2026

● Standard ○ Option

Discover more details and matching accessories online!

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

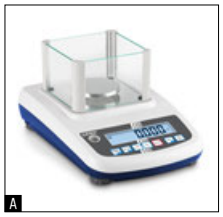
Technical data

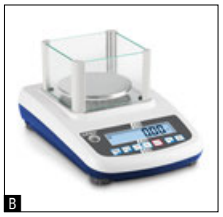
- Large backlit LCD display, digit height 21 mm
- Dimensions weighing surface
  A ⌀ 105 mm, plastic, with conductive lacquer
  B W×D 160×160 mm, stainless steel, see larger picture
- Optional battery operation, 9 V block not included in scope of delivery, operating time up to 12 h, AUTO-OFF-function 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

STANDARD

OPTION

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


A


B

Discover more details and matching accessories online!

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
- Wide range of functions including statistics, recipe and totalling functions
- 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 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 ⌀ 80 mm
  - B ⌀ 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

STANDARD

OPTION

FACTORY

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Resolution	Weighing plate	Options Calibr. Certificate DAkkS accr. KERN
KERN	g	g	g	g	Points		
PFB 120-3	120	0,001	0,002	± 0,003	120.000	A	963-127
PFB 200-3	200	0,001	0,002	± 0,004	200.000	A	963-127
PFB 300-3	300	0,001	0,003	± 0,005	300.000	A	963-127
PFB 600-3	600	0,001	0,005	± 0,005	600.000	B	963-103
PFB 600-2	600	0,01	0,01	± 0,02	60.000	B	963-127
PFB 1200-2	1200	0,01	0,02	± 0,03	120.000	B	963-127
PFB 2000-2	2000	0,01	0,02	± 0,04	200.000	B	963-127
PFB 3000-2	3000	0,01	0,03	± 0,05	300.000	B	963-127
PFB 6000-2	6000	0,01	0,05	± 0,07	600.000	C	963-104
PFB 6000-1	6000	0,1	0,1	± 0,2	60.000	C	963-128

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

Features

- 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 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/m², or similar
- Hook for underfloor weighing included with the delivery
- Protective working cover included with delivery

KERN PCB

- 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 Ø×H 90×40 mm

KERN PCJ

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


A


B


C


1

Discover more details and matching accessories online!

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

KERN PCB

- 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

KERN PCJ

- 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

STANDARD

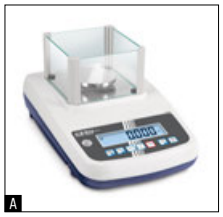
PCJ PCB PCJ PCJ PCJ PCJ

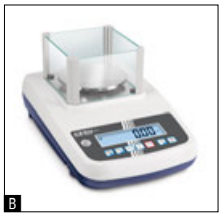
OPTION

FACTORY

PCJ

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Linearity	Weighing plate	Net weight	Options: Verification	Options: Calibr. Certificate
KERN	g	g	g	g	g		kg	KERN	DAkkS accr. KERN
PCB 200-3	200	0,001	-	-	± 0,005	A	1,00	-	963-127
PCB 300-3	360	0,001	-	-	± 0,005	A	0,85	-	963-127
PCB 300-2	300	0,01	-	-	± 0,02	B	1,2	-	963-127
PCB 1000-2	1200	0,01	-	-	± 0,03	C	1,2	-	963-127
PCB 3000-2	3600	0,01	-	-	± 0,05	C	1,6	-	963-127
PCB 2000-1	2000	0,1	-	-	± 0,2	C	1,4	-	963-127
PCB 6000-1	6000	0,1	-	-	± 0,3	D	1,6	-	963-128
PCB 10000-1	10000	0,1	-	-	± 0,3	D	1,4	-	963-128
PCB 6000-0	6000	1	-	-	± 2	D	1,6	-	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.									
PCJ 600-2M	600	0,01	0,1	0,5	± 0,03	C	2,0	965-216	963-127
PCJ 6000-1M	6000	0,1	1	5	± 0,3	D	2,8	965-217	963-128





Discover more details and matching accessories online!

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
- Wide range of functions including statistics, recipe and totalling functions
- 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

STANDARD

EWJ / EWJ-M | EWJ / EWJ-M | EWJ / EWJ-M | EWJ / EWJ-M | EWJ / EWJ-M | EWJ / EWJ-M

OPTION

FACTORY

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	Options	
								Verification	Calibr. Certificate
KERN	g	g	g	g	g	mm		KERN	DAkkS accr. KERN
EWJ 300-3H	300	0,001	-	-	± 0,005	220×340×321	A	-	963-127
EWJ 300-3	300	0,001	-	-	± 0,005	220×340×90	A	-	963-127
EWJ 600-3	600	0,001	-	-	± 0,005	220×340×105	B	-	963-103
EWJ 3000-2	3000	0,01	-	-	± 0,05	220×340×105	C	-	963-127
EWJ 6000-2	6000	0,01	-	-	± 0,05	220×340×105	D	-	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.									
EWJ 600-2M	600	0,01	0,1	0,5	± 0,03	220×340×90	B	965-216	963-127
EWJ 6000-1M	6000	0,1	1	5	± 0,3	220×340×105	D	965-217	963-128
Variants without data interfaces									
EWJ 600-2SM	600	0,01	0,1	0,5	± 0,03	220×340×90	B	965-216	963-127
EWJ 6000-1SM	6000	0,1	1	5	± 0,3	220×340×105	D	965-217	963-128

IoT ready

NEXT LEVEL Easy Touch FUNCTIONS

Discover more details and matching accessories online!

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
- 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
- A Ring-shaped draught shield standard, only for models with weighing plate size A, 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 A
- Protective working cover included with delivery

STANDARD

OPTION

FACTORY

Technical data

- Large backlit LCD display
- Dimensions weighing surface, stainless steel
  A ⌀ 106 mm
  B ⌀ 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

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Resolution	Weighing plate	Options Calibr. Certificate DAkkS accr. KERN
KERN	g	g	g	g	Points		
572-30	240	0,001	0,001	± 0,003	240.000	A	963-127
572-31*	300	0,001	0,002	± 0,005	300.000	A	963-127
572-32	420	0,001	0,002	± 0,005	420.000	A	963-127
572-33	1600	0,01	0,01	± 0,03	160.000	B	963-127
572-35	2400	0,01	0,01	± 0,03	240.000	B	963-127
572-37*	3000	0,01	0,02	± 0,05	300.000	B	963-127
572-39	4200	0,01	0,02	± 0,05	420.000	B	963-127
572-45	12000	0,05	0,05	± 0,15	240.000	C	963-128
572-55	20000	0,05	0,1	± 0,25	400.000	C	963-128
572-43	10000	0,1	0,1	± 0,3	100.000	C	963-128
572-49	16000	0,1	0,1	± 0,3	160.000	C	963-128
572-57	24000	0,1	0,1	± 0,3	240.000	C	963-128

! * ONLY WHILE STOCKS LAST


1


2


A


C

Discover more details and matching accessories online!

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
- 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 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, see larger picture
  - C W×D 200×175 mm
- Permissible ambient temperature 15 °C/35 °C

STANDARD

PLJ PLS PLS-F / PLJ-F PLS-A / PLJ-A

OPTION

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Overall dimensions W×D×H	Net weight	Weighing plate	Options Calibr. Certificate DAkkS accr. KERN
KERN	g	g	g	g	mm	kg		
Models with external adjustment								
PLS 420-3F	420	0,001	0,001	± 0,004	210×340×160	3,2	A	963-127
PLS 720-3A	720	0,001	0,001	± 0,002	210×340×160	4,8	A	963-103
PLS 1200-3A	1200	0,001	0,001	± 0,003	210×340×160	4,8	A	963-103
PLS 4200-2F	4200	0,01	0,01	± 0,04	210×340×120	3,2	B	963-127
PLS 6200-2A	6200	0,01	0,01	± 0,03	210×340×120	4,8	B	963-104
PLS 8000-2A	8200	0,01	0,01	± 0,04	210×340×120	4,8	B	963-104
PLS 20000-1F	20000	0,1	0,1	± 0,4	210×340×120	3,2	C	963-128
Models with internal adjustment								
PLJ 420-3F	420	0,001	0,001	± 0,003	210×340×160	5,0	A	963-127
PLJ 720-3A	720	0,001	0,001	± 0,002	210×340×160	5,0	A	963-103
PLJ 1200-3A	1200	0,001	0,001	± 0,003	210×340×160	5,0	A	963-103
PLJ 2000-3A	2100	0,001	0,002	± 0,004	210×340×330	7	A	963-103
PLJ 4200-2F	4200	0,01	0,02	± 0,04	210×340×120	5,0	B	963-127
PLJ 6200-2A	6200	0,01	0,01	± 0,05	210×340×120	5,0	B	963-104

Discover more details and matching accessories online!

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 ø 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

STANDARD | OPTION | FACTORY

PNJ PNS — RS 232 — GLP — % — 1 DAY — DAkkS — M (PNJ)

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Linearity	Weighing plate	Net weight	Options: Verification	Options: Calibr. Certificate
KERN	g	g	g	g	g		kg	KERN	DAkkS accr. KERN
PNS 600-3	620	0,001	-	-	± 0,004	A	2,2	-	963-103
PNS 3000-2	3200	0,01	-	-	± 0,02	B	2,8	-	963-127
PNS 12000-1	12000	0,1	-	-	± 0,2	B	2,8	-	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.									
PNJ 600-3M	620	0,001	0,01	0,02	± 0,004	A	4,2	965-216	963-103
PNJ 3000-2M	3200	0,01	0,1	0,5	± 0,02	B	3,6	965-216	963-127
PNJ 12000-1M	12000	0,1	1	5	± 0,2	B	3,8	965-217	963-128

Discover more details and matching accessories online!

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

STANDARD

EG-N EW-N EG 220-3NM

OPTION

FACTORY

EG-N

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Linearity	Weighing plate	Net weight	Options: Verification	Options: Calibr. Certificate
KERN	g	g	g	g	g		kg	KERN	DAkkS accr. KERN
EW 220-3NM	220	0,001	-	-	± 0,002	A	1,4	-	963-127
EW 420-3NM	420	0,001	-	-	± 0,003	A	1,4	-	963-127
EW 620-3NM	620	0,001	-	-	± 0,003	A	1,4	-	963-103
EW 820-2NM	820	0,01	-	-	± 0,01	B	1,6	-	963-127
EW 2200-2NM	2200	0,01	-	-	± 0,01	C	3,0	-	963-127
EW 4200-2NM	4200	0,01	-	-	± 0,02	C	3,0	-	963-127
EW 6200-2NM	6200	0,01	-	-	± 0,03	C	3,0	-	963-104
EW 12000-1NM	12000	0,1	-	-	± 0,2	C	3,0	-	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.									
EG 220-3NM	220	0,001	0,01	0,02	± 0,002	A	2,0	965-216	963-127
EG 420-3NM	420	0,001	0,01	0,02	± 0,003	A	1,8	965-216	963-127
EG 620-3NM	620	0,001	0,01	0,1	± 0,004	A	2,0	965-201	963-103
EG 2200-2NM	2200	0,01	0,1	0,5	± 0,01	C	4,0	965-216	963-127
EG 4200-2NM	4200	0,01	0,1	0,5	± 0,02	C	4,0	965-216	963-127


1


A

Discover more details and matching accessories online!

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 ø 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

STANDARD

OPTION

Model	Weighing capacity	Readability	Reproducibility	Linearity	Weighing plate	Options
						Calibr. Certificate
KERN	[Max] g	[d] g	g	g		DAkkS accr. KERN
PWS 800-2	820	0,01	0,01	± 0,01	A	963-127
PWS 3000-1	3200	0,1	0,1	± 0,1	B	963-127
PWS 8000-1	8200	0,1	0,1	± 0,1	B	963-128

3


A


C

Discover more details and matching accessories online!

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: Possibility of load support with built-in loop on the underside of the balance
- 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

STANDARD | OPTION | FACTORY

PEJ | PES | 2× | A, B | PEJ

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Linearity	Weighing plate	Net weight	Options: Verification	Options: Calibr. Certificate
KERN	g	g	g	g	g		kg	KERN	DAkkS accr. KERN
PES 620-3M	620	0,001	-	-	± 0,003	A	3,4	-	963-103
PES 2200-2M	2200	0,01	-	-	± 0,02	B	4,4	-	963-127
PES 4200-2M	4200	0,01	-	-	± 0,02	B	4,4	-	963-127
PES 6200-2M	6200	0,01	-	-	± 0,03	B	4,4	-	963-104
PES 15000-1M	15000	0,1	-	-	± 0,2	B	4,4	-	963-128
PES 31000-1M	31000	0,1	-	-	± 0,4	C	10	-	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	A	4,4	965-201	963-103
PEJ 4200-2M	4200	0,01	0,1	0,5	± 0,02	B	6	965-216	963-127
PEJ 2200-2M	2200	0,01	0,1	0,5	± 0,02	B	6	965-216	963-127

Discover more details and matching accessories online!

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

STANDARD

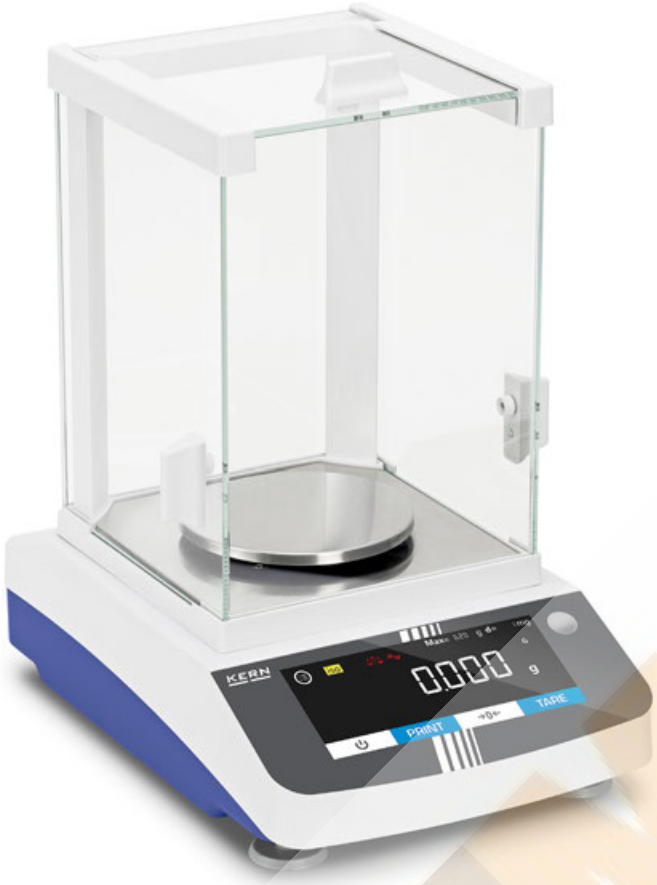
FEJ FES

OPTION

FACTORY

FEJ

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Linearity	Options: Verification	Options: Calibr. Certificate
KERN	g	g	g	g	g	KERN	DAkkS accr. KERN
FES 17K-4	17000	0,1	-	-	± 0,3	-	963-128
FES 33K-4	33000	0,1	-	-	± 0,3	-	963-128
FES 62K-4D	6200 | 62000	0,1 | 1	-	-	± 0,3 | 3	-	963-129
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.							
FEJ 17K-4M	17000	0,1	1	5	± 0,3	965-217	963-128
FEJ 33K-4M	33000	0,1	1	5	± 0,3	965-217	963-128
FEJ 62K-4DM	6200 | 62000	0,1 | 1	1	5	± 0,3 | 3	965-218	963-129



Precision balance with flexible functionality and touch display

The modern touch display enables convenient operation

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

B

Discover more details and matching accessories online!

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
  - A ø 115 mm, see larger picture
  - B W×D 185×185 mm
- Overall dimensions W×D×H
  - A 207×318×360 mm
  - B 207×318×110 mm
- Permissible ambient temperature 15 °C/25 °C

Main scope of applications

- Laboratories
- Pharmaceutical industry
- Chemical industry
- Food industry
- Plastics industry
- Quality laboratories

STANDARD

PDT PDS

OPTION

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Net weight	Weighing plate	Options Calibr. Certificate DAkkS accr. KERN
KERN	g	g	g	g	kg		
Models with external adjustment							
PDS 300-3	320	0,001	0,003	± 0,003	6	A	963-127
PDS 600-3	620	0,001	0,003	± 0,003	6	A	963-103
PDS 1000-3	1020	0,001	0,004	± 0,005	6	A	963-103
PDS 2000-2	2200	0,01	0,03	± 0,03	3,6	B	963-127
PDS 4000-2	4200	0,01	0,03	± 0,03	3,6	B	963-127
PDS 6000-2	6200	0,01	0,03	± 0,03	3,6	B	963-104
PDS 10K-5 NEW	10200	0,01	0,03	± 0,03	5,0	B	963-104
Models with internal adjustment							
PDT 300-3	320	0,001	0,003	± 0,003	6	A	963-127
PDT 600-3	620	0,001	0,003	± 0,003	6	A	963-103
PDT 1000-3	1020	0,001	0,004	± 0,005	6	A	963-103
PDT 2000-2	2200	0,01	0,03	± 0,03	3,6	B	963-127
PDT 4000-2	4200	0,01	0,03	± 0,03	3,6	B	963-127
PDT 6000-2	6200	0,01	0,03	± 0,03	3,6	B	963-104

NEW New model