



COUNTING SCALES, COUNTING SYSTEMS


PROFESSIONAL MEASURING





KERN Pictograms


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


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


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


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


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


 **KERN Universal Port (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**
To connect the balance to a printer, PC or network


 **RS-485 Data interface**
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**
To connect the balance to a printer, PC or other peripherals

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

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


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


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


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


 **Network interface**
For connecting the scale to an Ethernet network


 **KERN Communication Protocol (KCP)**
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**
The balance displays weight, date and time, independent of a printer connection


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


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


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


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


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


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


 **Weighing units**
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)**
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**
(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**
The type of protection is shown in the pictogram


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


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


 **Rechargeable battery pack**
Rechargeable set


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


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


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


 **Weighing principle Tuning fork**
A resonating body is electromagnetically excited, causing it to oscillate


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


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

 **Conformity Assessment**
The time required for conformity assessment is specified in the pictogram

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

 **Factory calibration (ISO)**
The time required for Factory calibration is shown in days in the pictogram

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

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

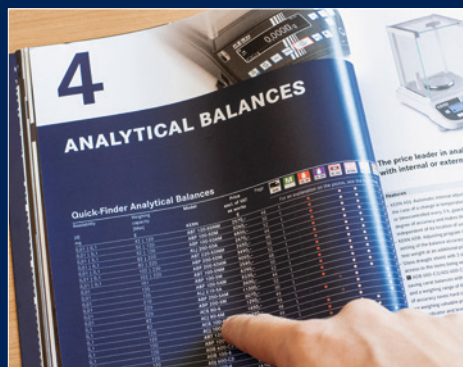
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KERN Quick-Finder

How I quickly find the product I am looking for

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

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

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



Robust counting scale with large article memory, convenient operating philosophy and checkweighing display, counting resolution up to 30,000 points

Features

- Innovative counting with tolerance range (Checkweighing): The counting process can be supported visually and/or audibly and this therefore makes portion division, dispensing and grading easier
 - Visual signal: the colour of the display changes depending on the counting result (not enough/ok/too much)
 - Audible signal: the frequency of the audible signal changes depending on the counting result (not enough/ok/too much)
- Ideal for workshops for people with disabilities, particularly loud or quiet environments, where operators change frequently, etc.
- Three displays for weight display, reference weight, total pieces
- Precise counting: The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- Programmable using numerical key pad:
 - Required reference quantity
 - Known reference weight

- Counting results memory: adds up all individual piece counts, result is shown in total weight and total pieces
- PRE-TARE function for manual subtraction of a known container weight, useful for checking fill-levels
- 20 direct price keys for frequently recurring reference weights and PRE-Tare values
- Memory for 50 reference weights and PRE-Tare values
- High mobility: thanks to rechargeable battery operation, compact, lightweight construction, it is suitable for the use in several locations
- Two balances in one: Changes from counting mode to weighing mode at the touch of a key
- Energy management: Backlight turns off after 5 sec, can be switched off
- Protective working cover included with delivery

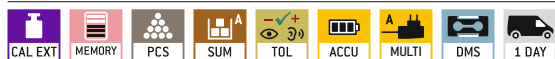
Technical data

- Large backlit LCD displays, digit height 18 mm
- Rechargeable battery pack integrated, as standard, operating time up to 160 h without backlight, charging time approx. 14 h
- Dimensions weighing surface, stainless steel, WxD 315x215 mm
- Overall dimensions WxDxH, 350x330x120 mm
- Net weight approx. 3,6 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Protective working cover, scope of delivery 5 items, KERN RIB-A01S05, € 44,-
- Internal rechargeable battery pack, operating time up to 160 h without backlight, charging time approx. 14 h, KERN GAB-A04, € 42,-

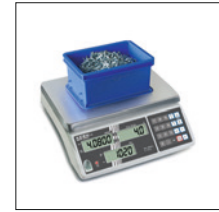
STANDARD



OPTION



Model	Weighing capacity [Max] kg	Readability [d] g	Smallest part weight (Normal) g/piece	Counting resolution Points	Price excl. of VAT ex works €	Options	
						DAkKS Calibr. KERN	Certificate €
KERN CIB 3K-4	3	0,2	1	30.000	265,-	963-127	98,-
KERN CIB 6K-4	6	0,5	2	30.000	265,-	963-128	118,-
KERN CIB 10K-3	15	1	5	30.000	265,-	963-128	118,-
KERN CIB 30K-3	30	2	10	30.000	265,-	963-128	118,-



Entry level model into professional counting, counting resolution of 30,000 points, verification optional

Features

- Precise counting: The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- Programmable using numerical key pad:
 - required reference quantity
 - known reference weight
- Three displays for weight display (verifiable), reference weight, total pieces
- Fill-to-target function: Target count or target weight can be programmed. When the target weight is reached there is an audible and visual signal
- 10 memories for reference weights
- Counting results memory: adds up all individual piece counts, result is shown in total weight and total pieces

- Integrated ESD protection, which makes it ideal for weighing small plastic parts
- Energy management: Backlight turns off after 5 sec
- PRE-TARE function for manual subtraction of a known container weight, useful for checking fill-levels
- Two balances in one: Changes from counting mode to weighing mode at the touch of a key
- Protective working cover included with delivery

- Rechargeable battery pack integrated, as standard, operating time up to 200 h without backlight, charging time approx. 8 h
- Net weight approx. 4,0 kg
- Permissible ambient temperature -10 °C/40 °C

Technical data

- Large backlit LCD displays, digit height 18 mm
- Weighing plate dimensions, stainless steel, W×D 300×225 mm
- Overall dimensions W×D×H, 300×330×110 mm

Accessories

- Protective working cover, scope of delivery 5 items, KERN CXB-A01S05, € 44,-
- Internal rechargeable battery pack, operating time up to 200 h without backlight, charging time approx. 8 h, KERN GAB-A04, € 42,-

Note: Official verification is mandatory for commercial trade

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight (Normal) g/piece	Counting resolution Points	Price excl. of VAT ex works €	Verification		Options	
								MID KERN	€	DAkKS KERN	Certificate €
KERN CXB 3K0.2	3	0,2	-	-	1	30.000	350,-	-	-	963-127	98,-
KERN CXB 6K0.5	6	0,5	-	-	2	30.000	350,-	-	-	963-128	118,-
KERN CXB 15K1	15	1	-	-	5	30.000	355,-	-	-	963-128	118,-
KERN CXB 30K2	30	2	-	-	10	30.000	350,-	-	-	963-128	118,-

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

KERN CXB 3K1NM	3	1	1	20	1	30.000	380,-	965-227	65,-	963-127	98,-
KERN CXB 6K2NM	6	2	2	40	2	30.000	380,-	965-228	84,-	963-128	118,-
KERN CXB 15K5NM	15	5	5	100	5	30.000	380,-	965-228	84,-	963-128	118,-
KERN CXB 30K10NM	30	10	10	200	10	30.000	380,-	965-228	84,-	963-128	118,-



Professional model, also with EC type approval [M], counting resolution up to 60,000 points

Features


- Precise counting: The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- Programmable using numerical key pad:
 - required reference quantity
 - known reference weight
- Three displays for weight display (verifiable), reference weight, total pieces
- Counting results memory: adds up all individual piece counts, result is shown in total weight and total pieces
- Fill-to-target function: Target count or target weight can be programmed. When the target value is reached, this will be indicated by an audible signal
- PRE-TARE function for manual subtraction of a known container weight, useful for checking fill-levels

- High mobility: thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department, etc.)
- Two balances in one: Changes from counting mode to weighing mode at the touch of a key
- Protective working cover included with delivery

Technical data

- Large backlit LCD displays, digit height 20 mm
- Weighing plate dimensions, stainless steel, WxD 295x225 mm
- Overall dimensions WxDxH, 315x350x100 mm
- Net weight approx. 3,2 kg
- Permissible ambient temperature 0 °C/40 °C

Accessories

- Protective working cover, scope of delivery: 5 items, KERN CFS-A02S05, € 44,-
- Internal rechargeable battery pack, operating time up to 90 h without backlight, charging time approx. 12 h, KERN GAB-A04, € 42,-
-  Signal lamp for visual support of weighing with tolerance range, KERN CFS-A03, € 310,-
- Y-cable for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp and printer, KERN CFS-A04, € 38,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

Note: Official verification is mandatory for commercial trade

STANDARD




OPTION

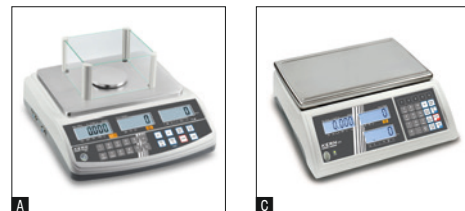


FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight (Normal) g/piece	Counting resolution Points	Price excl. of VAT ex works €	Options			
								Verification  KERN	€	DAkKS KERN	Certificate €
KERN CPB 6K0.1N	6	0,1	-	-	1	60.000	290,-	-	-	963-128	118,-
KERN CPB 15K0.2N	15	0,2	-	-	2,5	60.000	290,-	-	-	963-128	118,-
KERN CPB 30K0.5N	30	0,5	-	-	5	60.000	290,-	-	-	963-128	118,-
Multi-division balance, with increasing or decreasing load, it switches automatically to the next largest or smallest weighing range [Max] and readout [d].											
KERN CPB 6K1DM	3 6	1 2	1 2	20	1	60.000	290,-	965-228	84,-	963-128	118,-
KERN CPB 15K2DM	6 15	2 5	2 5	40	2,5	60.000	290,-	965-228	84,-	963-128	118,-
KERN CPB 30K5DM	15 30	5 10	5 10	100	5	60.000	290,-	965-228	84,-	963-128	118,-

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



Professional, high-resolution counting scale with 100 item memories and second balance interface, counting resolution up to 75,000 points

Features

- Memory (PLU) for 100 items with additional text, reference weight and tare weight, e.g. of a container
- Precise counting: The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- Programmable using numerical key pad:
 - required reference quantity
 - known reference weight
- Three displays for weight display, reference weight, total pieces
- Weighing with tolerance range (checkweighing): a visual and audible signal helps with portioning, dispensing or grading
- Fill-to-target function: Programmable target quantity or target weight e.g. for checkweighing. A signal will be displayed when the target value is reached
- PRE-TARE function for manual subtraction of a known container weight, useful for checking fill-levels

- Second balance interface to construct a high-resolution counting system, standard, e.g. with weighing bridges of KERN KFP V20
- Draught shield standard for models with weighing plate size **A**, weighing space W×D×H 155×141×80 mm
- Protective working cover included with delivery, for models with weighing plate size **A**, **B**

Technical data

- Large backlit LCD displays, digit height 20 mm
- Dimensions weighing surface
 - A** Ø 80 mm
 - B** W×D 295×225 mm
 - C** W×D 370×240 mm
- Overall dimensions W×D×H
 - A** 315×350×110 mm / 315×350×185 mm (incl. draught shield)
 - B** 315×350×100 mm
 - C** 370×360×100 mm
- Permissible ambient temperature 0 °C/40 °C

Accessories

- **A**, **B**: Protective working cover, scope of delivery: 5 items, KERN CFS-A02S05, € 44,-
- Internal rechargeable battery pack, operating time up to 70 h without backlight, charging time approx. 14 h, KERN GAB-A04, € 42,-
- Signal lamp for visual support of weighing with tolerance range, KERN CFS-A03, € 310,-
- Y-cable for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp and printer, KERN CFS-A04, € 38,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

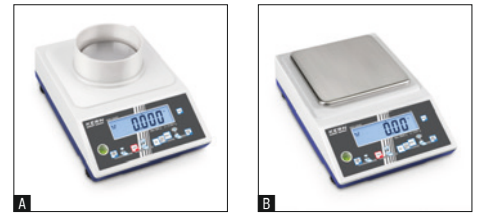
STANDARD



OPTION



Model	Weighing capacity [Max] kg	Readability [d] g	Smallest part weight (Normal) g/piece	Counting resolution Points	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options DAKKS Calibr. Certificate DAKKS KERN €
KERN CFS 300-3	0,3	0,001	0,05	60.000	2,6	A	510,-	963-127 98,-
CFS 3K-5	3	0,01	0,5	60.000	3,4	B	395,-	963-127 98,-
CFS 6K0.1	6	0,1	1	60.000	3,2	B	340,-	963-128 118,-
CFS 15K0.2	15	0,2	2	75.000	3,4	B	340,-	963-128 118,-
CFS 30K0.5	30	0,5	5	60.000	3,4	B	340,-	963-128 118,-
CFS 50K-3	50	1	10	50.000	4,4	C	395,-	963-128 118,-



Easy to use, self-explanatory counting scale with laboratory accuracy, ideal for the various possibilities of Industry 4.0 applications, counting resolution up to 360.000 points

Features

- Self-explanatory, graphic control panel, the workings steps can be understood immediately, even without operating instructions
 - no learning time = reduces costs
 - ideal for untrained users
 - visualised process avoids operating errors
- The 4 steps are carried out from left to right:
 - 1** Place the empty container onto the weighing plate and tare by pressing the TARE key
 - 2** Place the reference quantity for the goods to be counted into the container (5, 10, 20 or any number of pieces)
 - 3** Confirm the selected reference quantity by pressing the key (5, 10, 20 or any number of pieces)
 - 4** Pour in the goods to be counted. The number of pieces will immediately be shown in the display

- Precise counting: The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- 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
- Two balances in one: Changes from counting mode to weighing mode at the touch of a key
- Ring-shaped draught shield standard, only for models with weighing plate size **A**, weighing space $\varnothing \times H$ 90×40 mm
- Protective working cover included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm
- Optional battery operation, 4×1.5 V AA not included in scope of delivery, operating time up to 20 h
- Dimensions weighing surface
 - A** \varnothing 82 mm, plastic
 - B** W×D 130×130 mm, stainless steel
 - C** W×D 340×240 mm, stainless steel
- Overall dimensions W×D×H
 - A** 163×245×65 mm / 163×245×123 mm (incl. draught shield)
 - B** 163×245×65 mm
 - C** 350×390×120 mm
- Permissible ambient temperature -10 °C/40 °C

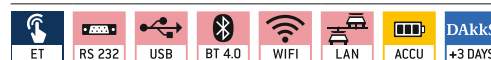
Accessories

- **A**, **B** Protective working cover, scope of delivery: 5 items, KERN YBA-A12S05, **€ 44,-**
- **C** Protective working cover, scope of delivery: 5 items, KERN FKB-A02S05, **€ 44,-**
- Internal rechargeable battery pack, operating time up to 48 h without backlight, charging time approx. 8 h, KERN YKR-01, **€ 35,-**
- External data interface RS-232, interface cable included, KERN KUP-01, **€ 60,-**
- External data interface USB, interface cable included, KERN KUP-03, **€ 75,-**
- External data interface WiFi, interface cable included, KERN KUP-05, **€ 75,-**
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13, **€ 75,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



Model	Weighing capacity [Max] kg	Readability [d] g	Smallest part weight (Normal) g/piece	Counting resolution Points	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Options DAKKS	Calibr. Certificate
KERN									
CKE 360-3	0,36	0,001	0,02	180.000	0,85	A	395,-	963-127	98,-
CKE 3600-2	3,6	0,01	0,2	180.000	1,6	B	425,-	963-127	98,-
CKE 6K0.02	6	0,02	0,2	300.000	7	C	550,-	963-128	118,-
CKE 8K0.05	8	0,05	0,5	160.000	7	C	500,-	963-128	118,-
CKE 16K0.05	16	0,05	0,5	320.000	7	C	610,-	963-128	118,-
CKE 16K0.1	16	0,1	1	160.000	7	C	530,-	963-128	118,-
CKE 36K0.1	36	0,1	1	360.000	7	C	570,-	963-128	118,-
CKE 65K0.2	65	0,2	2	325.000	7	C	560,-	963-129	146,-



- **C** 400×300×120 mm **D** 500×400×140 mm
- **E** 650×500×140 mm
- Dimensions of display device W×D×H 260×150×65 mm
- Cable length of display device approx. 3 m
- Permissible ambient temperature -10 °C/40 °C

Industrial counting scale with convenient decimal keypad for easy data entry – counting resolution up to 75.000 points, verification optional

Features

- Ergonomic display device with large keypad and high-contrast display for easy entry and reading of, e.g., tare weights, reference weights, limit values etc.
- Three displays for weight display (verifiable), reference weight, total pieces
- 100 item memories for master data such as reference weight, reference quantity, container weight (PRE-TARE) etc.
- Precise counting: The manual reference weight optimisation gradually improves the average

value of the piece weight

- Totalising of pieces when counting
- Printout with date and time
- Protective working cover over the display device included with the delivery

Technical data

- Large backlit LCD displays, digit height 16,5 mm
- Weighing plate dimensions, stainless steel, W×D×H **A** 230×230×110 mm **B** 300×240×110 mm

STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight (Normal) g/piece	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Verification KERN €	Options DAKKS Calibr. KERN €	Certificate KERN €
Multi-range balance, with increasing load it switches automatically to the next largest weighing range [Max] and readout [d] and when the load is fully removed, the balance switches back to the lower range											
IFS 6K-4S	3 6	0,1 0,2	-	-	1	3,8	A	500,-	-	-	963-128 118,-
IFS 10K-4	6 15	0,1 0,2	-	-	2	4,8	B	550,-	-	-	963-128 118,-
IFS 30K0.2DL	12 30	0,2 0,5	-	-	5	7	C	610,-	-	-	963-128 118,-
IFS 60K0.5D	30 60	0,5 1	-	-	10	7	C	610,-	-	-	963-129 146,-
IFS 60K0.5DL	30 60	0,5 1	-	-	10	12	D	780,-	-	-	963-129 146,-
IFS 100K-3	75 150	1 2	-	-	25	12	D	860,-	-	-	963-129 146,-
IFS 100K-3L	75 150	1 2	-	-	25	20	E	1100,-	-	-	963-129 146,-
IFS 300K-3	150 300	2 5	-	-	50	22	E	1100,-	-	-	963-129 146,-

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

IFS 6K-3SM	3 6	1 2	1 2	20 40	1	3,8	A	480,-	965-228 84,-	963-128 118,-
IFS 6K-3M	3 6	1 2	1 2	20 40	1	5,0	B	475,-	965-228 84,-	963-128 118,-
IFS 10K-3M	6 15	2 5	2 5	40 100	2	4,8	B	475,-	965-228 84,-	963-128 118,-
IFS 10K-3LM	6 15	2 5	2 5	40 100	2	7	C	560,-	965-228 84,-	963-128 118,-
IFS 30K-3M	15 30	5 10	5 10	100 200	5	7	C	560,-	965-228 84,-	963-128 118,-
IFS 60K-2M	30 60	10 20	10 20	200 400	10	7	C	570,-	965-229 110,-	963-129 146,-
IFS 60K-2LM	30 60	10 20	10 20	200 400	10	13	D	710,-	965-229 110,-	963-129 146,-
IFS 100K-2M	60 150	20 50	20 50	400 1000	25	12	D	710,-	965-229 110,-	963-129 146,-
IFS 100K-2LM	60 150	20 50	20 50	400 1000	25	22	E	960,-	965-229 110,-	963-129 146,-



Easy to use industrial counting scale for heavy loads, counting resolution up to 300,000 points, ideal for the diverse possibilities of Industry 4.0 applications

Features

- Self-explanatory, graphic control panel, the workings steps can be understood immediately, even without operating instructions
 - no learning time = reduces costs
 - ideal for untrained users
 - visualised process avoids operating errors
- The 4 steps are carried out from left to right:
 - Place the empty container onto the weighing plate and tare by pressing the TARE key
 - Place the reference quantity for the goods to be counted into the container (5, 10 or 20 pieces)
 - Confirm the selected reference quantity by pressing the key (5, 10 or 20)
 - Pour in the goods to be counted. The number of pieces will immediately be shown in the display
- Precise counting: The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- 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
- Protective working cover over the display device included with the delivery

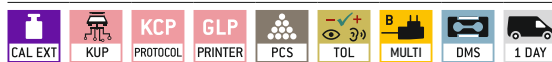
Technical data

- Backlit LCD display, digit height 21 mm
- Weighing plate dimensions, stainless steel
 - A** W×D×H 230×230×103 mm
 - B** W×D×H 308×318×75 mm, see larger picture
 - C** W×D×H 500×400×125 mm
- Dimensions of display device W×D×H 225×115×60 mm
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Protective working cover over the display device, scope of delivery: 5 items, KERN DE-A12S05, € 44,-
- Internal rechargeable battery pack, operating time up to 48 h without backlight, charging time approx. 8 h, KERN YKR-01, € 35,-
- Mount to fasten the display device to the platform, for models with weighing plate size **B**, **C**, KERN DE-A11N, € 40,-
- 5** Stand to elevate display device
 - Models with weighing plate size **B**: Height of stand approx. 480 mm, KERN DE-A10, € 120,-
 - Models with weighing plate size **C**: Height of stand approx. 600 mm, KERN DS-A03, € 140,-
- 6** Set for underfloor weighing, consists of platform, bow, hook, only for models with weighing plate **B**, KERN DS-A01, € 230,-
- External data interface RS-232, interface cable included, KERN KUP-01, € 60,-
- External data interface USB, interface cable included, KERN KUP-03, € 75,-
- External data interface Ethernet, KERN KUP-04, € 115,-
- External data interface WiFi, interface cable included, KERN KUP-05, € 75,-
- Bluetooth interface adapter, KERN KUP-06, € 99,-
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13, € 75,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

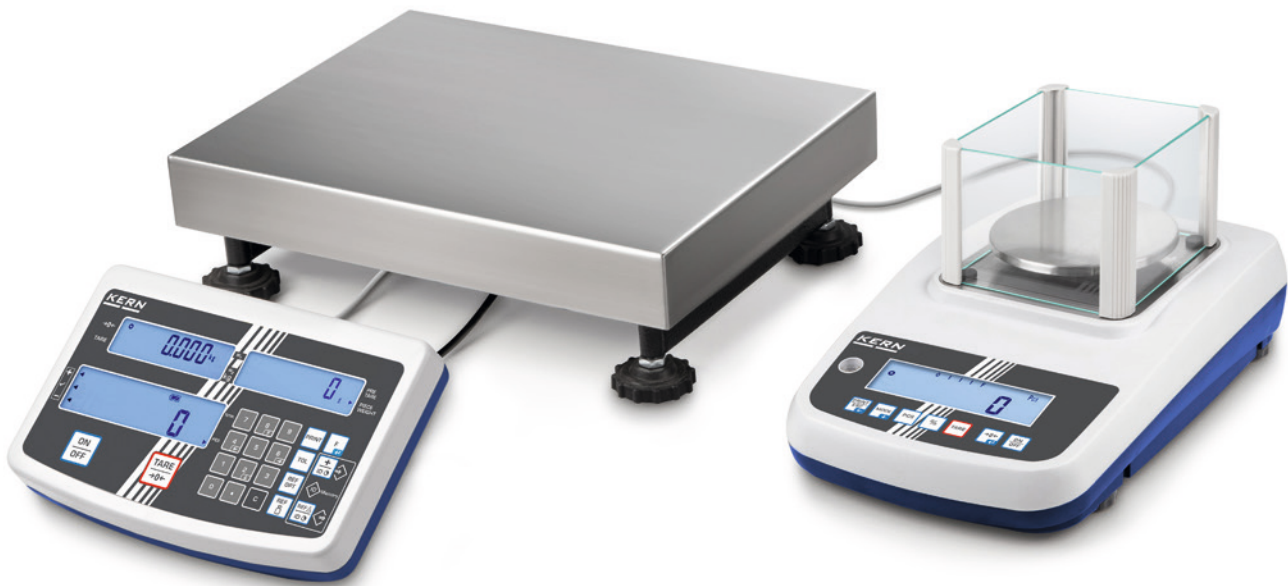
STANDARD



OPTION



Model	Weighing capacity [Max] kg	Readability [d] g	Smallest part weight (Normal) g/piece	Counting resolution Points	Net weight approx. kg	Cable length approx. m	Weighing plate	Price excl. of VAT ex works €	Options	
									DAKKS	Calibr. Certificate KERN €
KERN CDS 4K0.02	4	0,02	0,2	200.000	8	2	A	690,-	963-127	98,-
CDS 15K0.05	15	0,05	0,5	300.000	8	2	B	600,-	963-128	118,-
CDS 16K0.1	16	0,1	1	160.000	8	2	B	600,-	963-128	118,-
CDS 30K0.1	30	0,1	1	300.000	8	2	B	670,-	963-128	118,-
CDS 30K0.1L	30	0,1	1	300.000	19	0,6	C	1150,-	963-128	118,-
CDS 36K0.2L	36	0,2	2	180.000	19	0,6	C	1150,-	963-128	118,-
CDS 60K0.2	60	0,2	2	300.000	19	0,6	C	1150,-	963-129	146,-



9

High-resolution counting system to count the smallest parts in large quantities, maximum number of parts which can be displayed is 999,999, verification optional

Features

- The highly accurate KERN CCA counting system can replace a whole range of individual balances, efficiently and at a reasonable price
- Thanks to optional verification, it is also suitable for use in verified applications
- The balances are connected to one another with an RS-232 Y-cable, which also allows you to connect a printer

Reference scale KERN EWJ

- This precision balance, which can be used as an individual balance, also fulfils the highest demands through connection with a high-capacity platform
- Automatic internal adjustment, time-controlled every 2 h, guarantees high degree of accuracy and makes the balance independent of its location
- Draught shield standard for models with [Max] = 600 g, weighing space W×D×H 134×128×80 mm
- Protective working cover included with delivery

Quantity scale KERN IFS

- The high-accuracy quantity counting takes place on the weighing platform IFS. In this way even the smallest of parts can be counted in large volumes
- Tough industry standard suitable for use in harsh industrial applications
- Ergonomic display device with large keypad and high-contrast LCD display for easy entry and reading of, e.g., tare weights, reference weights, limit values etc.
- Three displays for weight display, reference weight, total pieces
- 100 item memories for master data such as reference weight, reference quantity, container weight (PRE-TARE) etc.
- Precise counting: The manual reference weight optimisation gradually improves the average value of the piece weight
- Totalising of pieces when counting
- Printout with date and time
- Aluminium singlepoint load cell (1×3000 e), protection against dust and water splashes IP65
- Protective working cover over the display device included with the delivery



Technical data

Reference scale KERN EWJ

- Dimensions weighing surface, stainless steel
[Max] 600 g: ø 120 mm
1 [Max] 6000 g: WxD 155x145 mm
- Overall dimensions WxDxH
[Max] 600 g: 220x340x180 mm (incl. draught shield)
[Max] 6000 g: 215x340x105 mm
- Net weight
[Max] 600 g: approx. 3,2 kg
[Max] 6000 g: approx. 3,4 kg

Quantity scale KERN IFS

- Weighing plate dimensions, stainless steel
A WxDxH 300x240x105 mm
B WxDxH 400x300x114 mm
C WxDxH 500x400x140 mm
- Cable length of display device approx. 3 m

Counting System KERN CCA

- Connection cable approx. 1,5 m
- Net weight
A approx. 9 kg
B approx. 14 kg
C approx. 16 kg

Accessories

Reference scale KERN EWJ

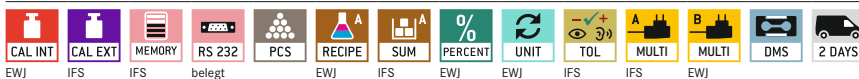
- Protective working cover, scope of delivery 5 items, KERN EWJ-A04S05, **€ 44,-**
- Internal rechargeable battery pack, operating time up to 20 h without backlight, charging time approx. 12 h, KERN KFB-A01, **€ 40,-**

Quantity scale KERN IFS

- Protective working cover over the display device, scope of delivery: 5 items, KERN KFB-A02S05, **€ 44,-**
- Internal rechargeable battery pack, operating time up to 18 h without backlight, charging time approx. 12 h, KERN KFB-A01, **€ 40,-**
- **2** Stand to elevate display device
Height of stand approx. 330 mm, KERN IFB-A01, **€ 68,-**
For models with weighing plate size **A**, **B**: Height of stand approx. 600 mm, KERN IFB-A02, **€ 81,-**
- **3** ESD drain to protect against electrostatic discharge e.g. for electrostatically-charged weighing objects or people who work with the scale, KERN YGR-01, **€ 60,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

Note: Official verification is mandatory for commercial trade

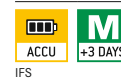
STANDARD



OPTION



FACTORY



Model	Quantity scale		Weighing plate	Reference scale		Smallest part weight (Normal) g/piece	Price excl. of VAT ex works €	Options			
	Weighing capacity [Max] kg	Readability [d] g		Weighing capacity [Max] g	Readability [d] g			Verification M KERN	€	DAkKS	Calibr. Cert. DAKKS KERN

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.

CCA 6K-5M	3 6	1 2	A	600	0,01	0,2	1040,-	965-228-216	145,-	962-128-127	215,-
CCA 6K-4M	3 6	1 2	A	6000	0,1	1	1000,-	965-229-216	190,-	962-129-127	235,-
CCA 10K-5M	6 15	2 5	A	600	0,01	0,2	1040,-	965-228-216	145,-	962-128-127	215,-
CCA 30K-5M	15 30	5 10	B	600	0,01	0,2	1140,-	965-228-216	145,-	962-128-127	215,-
CCA 30K-4M	15 30	5 10	B	6000	0,1	1	1100,-	965-229-216	190,-	962-129-127	235,-
CCA 60K-5M	30 60	10 20	B	600	0,01	0,2	1150,-	965-229-216	190,-	962-129-127	235,-
CCA 60K-4M	30 60	10 20	B	6000	0,1	1	1100,-	965-229-216	190,-	962-129-127	235,-
CCA 100K-5M	60 150	20 50	C	600	0,01	0,2	1300,-	965-229-216	190,-	962-129-127	235,-
CCA 100K-4M	60 150	20 50	C	6000	0,1	1	1250,-	965-229-216	190,-	962-129-127	235,-



9

Counting system to count the smallest parts in large quantities, maximum number of parts which can be displayed is 999,999

Features

- The highly accurate KERN CCS counting system can replace a whole range of individual balances, efficiently and at a reasonable price

Reference scale KERN CFS

- This professional counting scale, which can also be used as a stand-alone scale, meets the highest demands for accuracy, weighing capacity and volume of items, by being connected to a high-capacity weighing bridge
- Programmable using numerical key pad:
 - required reference quantity
 - known reference weight
- Three displays for weight display, reference weight, total pieces
- Memory (PLU) for 100 items with additional text, reference weight and tare weight, e.g. of a container

- Fill-to-target function: Target count or target weight can be programmed. When the target weight is reached there is an audible and visual signal
- Precise counting: The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- Draught shield standard for models with [d] = 0,001 g, weighing space W×D×H 155×141×80 mm
- Protective working cover included with delivery

Quantity scale

KERN KFP / KERN KFU / KERN KIP

- The high-accuracy quantity counting takes place on the weighing platform (= weighing bridge). In this way even the smallest of parts can be counted in large volumes

Platform KERN KFP-V20 IP65

- Weighing plate stainless steel, painted steel base
- Aluminium singlepoint load cell, protection against dust and water splashes
- For models with weighing plate size **A - E**

Weighing bridge KERN KIP-V20M IP67

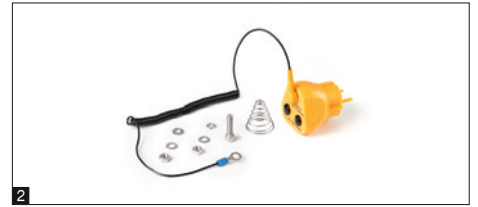
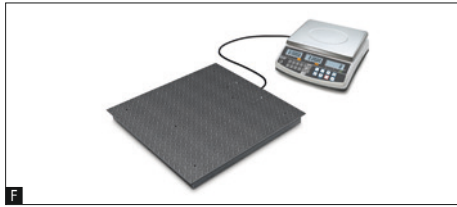
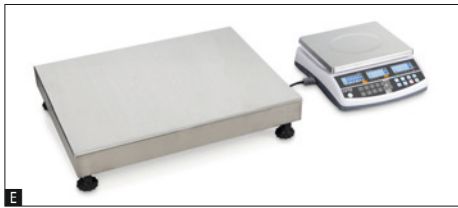
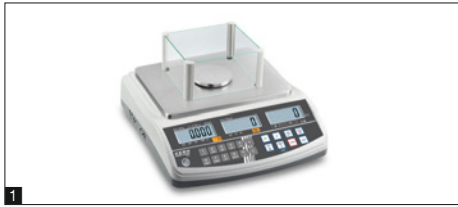
- Lacquered steel weighing bridge, corrugated steel plate. Extremely resistant to bending due to material thickness
- 4 load cells, alloy steel, silicone-coated, IP67
- For models with weighing plate size **F, G, H**

Weighing bridge KERN KFP-V20 IP67

- Weighing bridge painted steel, Weighing plate screwed on from the top
- 4 load cells, alloy steel, silicone-coated, IP67
- For models with weighing plate size **I**

U-shaped weighing bridge KERN KFU-V20

- Load range: painted steel
- 4 load cells, alloy steel, silicone-coated, IP67
- For models with weighing plate size **J**



Technical data

Reference scale KERN CFS

- Weighing plate dimensions, stainless steel
[d] = 0,001 g: \varnothing 80 mm
[d] \geq 0,01 g: WxD 295x225 mm
- Overall dimensions WxDxH 315x350x100 mm
- Net weight
[d] = 0,001 g: approx. 2,6 kg
[d] \geq 0,01 g: approx. 3,4 kg

Quantity platforms, KERN KFP-V20 IP65

- Weighing plate dimensions, stainless steel
A WxDxH 230x230x103 mm
B WxDxH 300x240x105 mm
C WxDxH 400x300x114 mm
D WxDxH 500x400x124 mm
E WxDxH 650x500x136 mm

Quantity platforms, KERN KIP-V20M

- Weighing plate dimensions, coated metal
F WxDxH 1000x1000x108 mm
G WxDxH 1200x1500x108 mm
H WxDxH 1500x1500x108 mm

Bulk weighing bridges, KERN KFP-V20 IP67

- Weighing plate dimensions, coated metal
I WxDxH 1500x1250x80 mm

Bulk pallet load handling, KERN KFV-V20

- Weighing plate dimensions, coated metal
J WxDxH 840x1190x90 mm

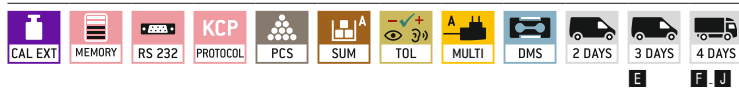
Connection cable approx.

- A - E** 2,5 m
- F - J** 5 m

Accessories

- Protective working cover, scope of delivery: 5 items, KERN CFS-A02S05, **€ 44,-**
- **2** Suitable for models with weighing plate size **A-E**: ESD drain to protect against electrostatic discharge e.g. for electrostatically-charged weighing objects or people who work with the scale, KERN YGR-01, **€ 60,-**
- Internal rechargeable battery pack, operating time up to 70 h without backlight, charging time approx. 14 h, KERN GAB-A04, **€ 42,-**
- Signal lamp for visual support of weighing with tolerance range, KERN CFS-A03, **€ 310,-**
- Y-cable for parallel connection of two terminal devices to the RS-232 interface on the scale, e.g. signal lamp and printer, KERN CFS-A04, **€ 38,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



Model	Quantity scale		Weighing plate	Reference scale		Counting resolution	Smallest partweight (Normal) g/piece	Price excl. of VAT ex works €	Options	
	Weighing capacity [Max] kg	Readability [d] g		Weighing capacity [Max] g	Readability [d] g				DAkKS	Certificate
KERN						Points			KERN	€
CCS 6K-6	6	0,2	A	300	0,001	1.200.000	0,05	660,-	962-128-127	215,-
CCS 10K-6	15	0,5	B	300	0,001	3.000.000	0,05	740,-	962-128-127	215,-
CCS 30K0.01.	30	1	C	3000	0,01	600.000	0,5	730,-	962-128-127	215,-
CCS 30K0.1.	30	1	C	6000	0,1	300.000	1	670,-	962-128-128	230,-
CCS 60K0.01.	60	2	C	3000	0,01	1.200.000	0,5	720,-	962-129-127	235,-
CCS 60K0.01L.	60	2	D	3000	0,01	1.200.000	0,5	770,-	962-129-127	235,-
CCS 60K0.1.	60	2	C	6000	0,1	600.000	1	730,-	962-129-128	260,-
CCS 60K0.1L.	60	2	D	6000	0,1	600.000	1	820,-	962-129-128	260,-
CCS 150K0.01	150	5	D	3000	0,01	3.000.000	0,5	850,-	962-129-127	235,-
CCS 150K0.01L	150	5	E	3000	0,01	3.000.000	0,5	1080,-	962-129-127	235,-
CCS 150K0.1.	150	5	D	6000	0,1	1.500.000	1	760,-	962-129-128	260,-
CCS 150K0.1L	150	5	E	6000	0,1	1.500.000	1	1095,-	962-129-128	260,-
CCS 300K0.1	300	10	E	6000	0,1	3.000.000	1	1110,-	962-129-128	260,-
CCS 300K0.01	300	10	E	3000	0,01	6.000.000	0,5	1170,-	962-129-127	235,-
CCS 600K-1S	600	200	F	6000	0,1	6.000.000	1	1840,-	962-130-127	305,-
CCS 1T-4S	1500	500	F	6000	0,1	15.000.000	1	1740,-	962-130-128	320,-
CCS 1T-4	1500	500	G	6000	0,1	15.000.000	1	2200,-	962-130-128	320,-
CCS 1T-1L	1500	500	H	6000	0,1	15.000.000	1	2750,-	962-130-128	320,-
CCS 1T-1U	1500	500	J	6000	0,1	15.000.000	1	1790,-	962-130-128	320,-
CCS 3T-3L	3000	1000	I	6000	0,1	30.000.000	1	2540,-	962-132-128	650,-

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