

COUNTING SCALES, COUNTING SYSTEMS

Laboratory | Industry | Food Industry

PROFESSIONAL MEASURING

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2025

KERN Piktogram:

 CAL INT	Belső jusztírozó automatika (CAL) A pontosság beállítása egy belső, motorral mozgatott jusztírozó súllyal történik.	 PCS	Darbszámlálás A referencia darabszám választható. A kijelzés átkapcsolása darabszámról súlyra.	 UNDER	Horoggal végzett mérések A mérleg alsó felén is lehetőség van a terhelésre.
 CAL EXT	Jusztírozó program (CAL) A pontossági beállításhoz külső súly szükséges.	 RECIPE A	Receptúra A tára-edény súlya és a recept összetevői számára külön tárolóval (nettó összesen)	 BATT	Elemes működés A mérleg elemmel (is) működik. Az elem típusa a mérleg típusától függ.
 MEMORY	Memória. A mérleg beépített memóriával rendelkezik. Pl. sorszám, tömeg, tárazási tömeg stb. PLU	 RECIPE B	Receptúra Belső memória a recepteknek névvel, cél-értékkel és az összetevőkkel. Felhasználói útmutatás a kijelzőn keresztül.	 ACCU	Akkumulátoros működés Újratölthető készlet.
 ALIBI	ALIBI MEMORY A mérési eredmények elektronikus elérése összhangban a 2009/23/EC szabvánnyal.	 RECIPE C	Receptúra Belső memória a recepteknek névvel, cél-értékkel és az összetevőkkel. Felhasználói útmutatás a kijelzőn keresztül. Kényelmi funkciók, mint pl.: vonalkód és visszazárolási funkció.	 MULTI	Univerzális adapter:univerzális bemenet, cserélhető szabványos dugvillák az alábbi szabványok szerint: A) EU, GB B) EU, GB, CH, USA C) EU, GB, CH, USA, AUS
 RS 232	RS-232 adat-interfész A mérleg csatlakoztatására nyomtatóhoz, PC-hez vagy hálózathoz.	 SUM	Össztömeg meghatározás A tételek tömegét összeadja és az összesített értéket kinyomtatja.	 230 V	230V/50Hz Szabványos kialakítás, Németország, Magyarország. Rendelhető angol, amerikai vagy ausztrál kialakítás is.
 RS 485	RS-485 adat-interfész A mérleg csatlakoztatására nyomtatóhoz, PC-hez vagy egyéb periférikus eszközhöz. Az elektromágneses zavarokra kevésbé érzékeny.	 KCP	KERN Kommunikációs Protokoll KCP KERN mérlegekhez és más műszerekhez használható szabványos adatátviteli lehetőség A Kern KCP-s eszközök könnyen kapcsolhatóak PC-khez, PLC-khez és más rendszerekhez.	 230 V	Hálózati kábel 230V/50Hz, Németország, Magyarország. Rendelhető angol, amerikai vagy ausztrál kialakítás is.
 USB	USB adat-interfész A mérleg csatlakoztatására nyomtatóhoz, PC-hez vagy egyéb periférikus eszközhöz.	 DMS	Erőmérő cella	 BT	Bluetooth adat-interfész Adatok átvitelére nyomtatóra, PC-re vagy egyéb periférikus eszköze
 WLAN	Wifi adat-interfész Adatok átvitelére nyomtatóra, PC-re vagy egyéb periférikus eszköze.	 PERCENT	Százalék meghatározás A célértéktől (100%) való eltérés kijelzése %-ban.	 T-FORK	Rezgővillás technológia Rövid beállási idő, gyors mintavételezés.
 SWITCH	Kontrol kimenet Optocsatoló, digitális I/O Csatlakozás relékhez, ellenőrző Impákhoz, szelepekhez stb.	 UNIT	Súlymértékegységek Gombnyomással átváltható pl. nem metrikus mértékegységekre. Lásd a mérlegmodellt.	 FORCE	Elektromágneses erő kompenzáció
 DUAL	Interfész második mérleghez Közvetlen kapcsolat egy második mérleghez.	 TOL	Mérés tűréshatárral A felső és az alsó határérték külön programozható. Pl. adagolásnál/válogatásnál és osztályozásnál.	 SC TECH	Monoblokk cella Az erőkompenzációs eljárás továbbfejlesztett változata.Nagyobb precizitás.
 LAN	Hálózati interfész A mérleg csatlakoztatására egy Ethernet hálózathoz. A KERN mérlegekhez univerzális RS-232/LAN konverter is használható.	 MOVE	Rezgés-mentes mérés (Állatmérő program) A rezgés kiszűréssel stabil mérés érhető el.	 M +3 DAYS	Hitelesíthető mérleg A várható átfutási időt a piktogram mutatja. Kérjen tájékoztatást a Precimer Kft.-től.
 KUP	KERN Univerzális Port (KUP): adatátviteli lehetőség KUP interfészekkel (pl. RS-232, USB, Bluetooth, WLAN, Ananlóg, Ethernet) adatcserével	 IP	Por és folyadék elleni védettség, IPxx A piktogram mutatja a védettség mértékét. Pl. IP67	 DAKKS +3 DAYS	DAKKS kalibrálás kérhető A várhatóátfutási időt a piktogram mutatja. Kérjen tájékoztatást a Precimer Kft.-től.
 GLP INTERN	GLP /ISO jegyzőkönyvezés A mérési adatok megjelenítése dátummal órával nyomtatótól függetlenül.	 EASY-T	Easy Touch Kapcsolódás Kapcsolódás, adatátvitel és kontrol PC-hez, táblagéphez és okos telefonhoz.	 DAY	A várható szállítási időt a piktogram mutatja. Kérjen tájékoztatást a Precimer Kft.-től.
 GLP PRINTER	GLP /ISO jegyzőkönyvezés A mérési adatok megjelenítése dátummal órával. Csak KERN nyomtatókkal.	 INOX	Rozsdamentes acél A mérleg korrózió ellen védett.	 DAYS	Raklap szállítmány A várható szállítási időt a piktogram mutatja. Kérjen tájékoztatást a Precimer Kft.-től.
 ANALOG	Analóg interfész Megfelelő periférikus eszközökhöz való kapcsolódás analóg mérésekhez.			 ISO +10 DAYS	Gyári kalibrálás (ISO) A várható átfutási időt a piktogram mutatja. Kérjen tájékoztatást a Precimer Kft.-től.

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PRECIMER

Mérőeszközök, mérlegek, súlyok kereskedelme, kalibrálása, hitelesítése

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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
- 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
- Thanks to rechargeable battery operation, compact, lightweight construction, it is suitable for the use in several locations
- 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
- Dimensions weighing surface, stainless steel, WxD 315x215 mm
- Overall dimensions WxDxH 350x330x120 mm
- Rechargeable battery pack integrated, as standard, operating time up to 160 h without backlight, charging time approx. 14 h
- Net weight approx. 4.0 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Protective working cover, scope of delivery 5 items, KERN RIB-A01S05, € 52,-
- 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. Certificate DAkKS KERN	€
KERN CIB 3K-4	3	0,2	1	30.000	265,-	963-127	103,-
KERN CIB 6K-4	6	0,5	2	30.000	265,-	963-128	124,-
KERN CIB 10K-3	15	1	5	30.000	265,-	963-128	124,-
KERN CIB 30K-3	30	2	10	30.000	265,-	963-128	124,-



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

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Features

- 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
- 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 18 mm
- Dimensions weighing surface, stainless steel, WxD 300x225 mm
- Overall dimensions WxDxH 300x330x110 mm
- 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

Accessories

- Protective working cover, scope of delivery 5 items, KERN CXB-A01S05, € 52,-
- 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 €	Options			
								Verification M KERN	€	DAkkS Calibr. Certificate KERN	€
KERN CXB 3K0.2	3	0,2	-	-	1	30.000	350,-	-	-	963-127	103,-
KERN CXB 6K0.5	6	0,5	-	-	2	30.000	350,-	-	-	963-128	124,-
KERN CXB 15K1	15	1	-	-	5	30.000	355,-	-	-	963-128	124,-
KERN CXB 30K2	30	2	-	-	10	30.000	350,-	-	-	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.

KERN CXB 3K1NM	3	1	1	20	1	30.000	380,-	965-227	65,-	963-127	103,-
KERN CXB 6K2NM	6	2	2	40	2	30.000	380,-	965-228	84,-	963-128	124,-
KERN CXB 15K5NM	15	5	5	100	5	30.000	380,-	965-228	84,-	963-128	124,-
KERN CXB 30K10NM	30	10	10	200	10	30.000	380,-	965-228	84,-	963-128	124,-



Professional model, counting resolution 60,000 points, verification optional

Features


- 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

- Thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations
- 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
- Dimensions weighing surface, 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, € 52,-
- 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
												
CAL EXT	MEMORY	RS 232	PROTOCOL	PCS	SUM	TOL	MULTI	DMS	1 DAY	ACCU	DAkkS	M
											+3 DAYS	CPB-DM

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	Certificate KERN €
KERN CPB 6K0.1N	6	0,1	-	-	1	60.000	290,-	-	-	963-128	124,-
KERN CPB 15K0.2N	15	0,2	-	-	2,5	60.000	290,-	-	-	963-128	124,-
KERN CPB 30K0.5N	30	0,5	-	-	5	60.000	290,-	-	-	963-128	124,-
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	124,-
KERN CPB 15K2DM	6 15	2 5	2 5	40	2,5	60.000	290,-	965-228	84,-	963-128	124,-
KERN CPB 30K5DM	15 30	5 10	5 10	100	5	60.000	290,-	965-228	84,-	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.



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

9

Features

- Memory (PLU) for 100 items with additional text, reference weight and tare weight, e.g. of a container
- 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: 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

Accessories

- 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**

Accessories

- **A, B**: Protective working cover, scope of delivery 5 items, KERN CFS-A02S05, **€ 52,-**
- 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*

Technical data

- Large backlit LCD displays, digit height 20 mm
- Dimensions weighing surface
 - A** ø 80 mm
 - B** W×D 295×225 mm, see larger picture
 - 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

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 CFS 300-3	0,3	0,001	0,05	60.000	2,6	A	510,-	963-127	103,-
CFS 3K-5	3	0,01	0,5	60.000	3,4	B	395,-	963-127	103,-
CFS 6K0.1	6	0,1	1	60.000	3,2	B	340,-	963-128	124,-
CFS 15K0.2	15	0,2	2	75.000	3,4	B	340,-	963-128	124,-
CFS 30K0.5	30	0,5	5	60.000	3,4	B	340,-	963-128	124,-
CFS 50K-3	50	1	10	50.000	4,4	C	395,-	963-128	124,-



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, plastic, see larger picture
 - 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, € 52,-
- **C** Protective working cover, scope of delivery 5 items, KERN FKB-A02S05, € 52,-
- 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,-
- WiFi interface adapter, 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*

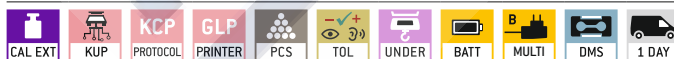
Easy to use, self-explanatory counting scale with laboratory accuracy, ideal for the various possibilities of Industry 4.0 applications, counting resolution up to 360.000 points

Features

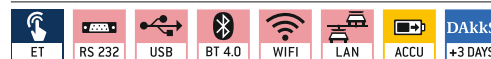
- Self-explanatory, graphic control panel
 - no learning time = reduces costs
 - ideal for untrained users
 - visualised process avoids operating errors
- The 4 steps are carried out from left to right:
 - 1** Place the empty container onto the weighing plate and tare by pressing the TARE key
 - 2** 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

- 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
- 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 ×H 90×40 mm
- Protective working cover included with delivery

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								DAkKS KERN	€
CKE 360-3	0,36	0,001	0,02	180.000	0,85	A	395,-	963-127	103,-
CKE 3600-2	3,6	0,01	0,2	180.000	1,6	B	425,-	963-127	103,-
CKE 6K0.02	6	0,02	0,2	300.000	7	C	550,-	963-128	124,-
CKE 8K0.05	8	0,05	0,5	160.000	7	C	520,-	963-128	124,-
CKE 16K0.05	16	0,05	0,5	320.000	7	C	610,-	963-128	124,-
CKE 16K0.1	16	0,1	1	160.000	7	C	530,-	963-128	124,-
CKE 36K0.1	36	0,1	1	360.000	7	C	570,-	963-128	124,-
CKE 65K0.2	65	0,2	2	325.000	7	C	560,-	963-129	153,-



- 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 and high counting resolution, verification optional

Features

- 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 (verifiable), reference weight, total pieces
- 100 item memories for master data such as reference weight, reference quantity, container weight (PRE-TARE) etc.
- 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 platform dimensions W×D×H, stainless steel
A 230×230×110 mm **B** 300×240×110 mm
C 400×300×120 mm **D** 500×400×120 mm
E 650×500×140 mm

Accessories

- Protective working cover over the display device, scope of delivery 5 items, KERN KFB-A02S05, € 52,-
- Stand to elevate display device
1 A - E Height of stand approx. 330 mm, KERN IFB-A01, € 68,-
D, E Height of stand approx. 600 mm, KERN IFB-A02, € 81,-
- Internal rechargeable battery pack, operating time up to 18 h without backlight, charging time approx. 12 h, must be ordered at purchase, KERN KFB-A01, € 40,-
- **2** 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*

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 €	Options			
									Verification M IFS-M KERN	€	DAkKS Calibr. Certificate KERN	€
Multi-division balance, with increasing or decreasing load, it switches automatically to the next largest or smallest weighing range [Max] and readout [d]. (Remaining stock contains multi-range scales)												
IFS 6K-4S	3 6	0,1 0,2	-	-	1	3,8	A	500,-	-	-	963-128	124,-
IFS 10K-4	6 15	0,1 0,2	-	-	2	6	B	550,-	-	-	963-128	124,-
IFS 30K0.2DL	12 30	0,2 0,5	-	-	5	7	C	610,-	-	-	963-128	124,-
IFS 60K0.5D	30 60	0,5 1	-	-	10	7	C	610,-	-	-	963-129	153,-
IFS 60K0.5DL	30 60	0,5 1	-	-	10	12	D	780,-	-	-	963-129	153,-
IFS 100K-3	75 150	1 2	-	-	25	12	D	860,-	-	-	963-129	153,-
IFS 100K-3L	75 150	1 2	-	-	25	20	E	1100,-	-	-	963-129	153,-
IFS 300K-3	150 300	2 5	-	-	50	22	E	1100,-	-	-	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.

IFS 6K-3SM	3 6	1 2	1 2	20 40	1	3,8	A	480,-	965-228	84,-	963-128	124,-
IFS 6K-3M	3 6	1 2	1 2	20 40	1	5,0	B	475,-	965-228	84,-	963-128	124,-
IFS 10K-3M	6 15	2 5	2 5	40 100	2	4,8	B	475,-	965-228	84,-	963-128	124,-
IFS 10K-3LM	6 15	2 5	2 5	40 100	2	7	C	560,-	965-228	84,-	963-128	124,-
IFS 30K-3M	15 30	5 10	5 10	100 200	5	7	C	560,-	965-228	84,-	963-128	124,-
IFS 60K-2M	30 60	10 20	10 20	200 400	10	7	C	570,-	965-229	110,-	963-129	153,-
IFS 60K-2LM	30 60	10 20	10 20	200 400	10	13	D	710,-	965-229	110,-	963-129	153,-
IFS 100K-2M	60 150	20 50	20 50	400 1000	25	12	D	710,-	965-229	110,-	963-129	153,-
IFS 100K-2LM	60 150	20 50	20 50	400 1000	25	22	E	960,-	965-229	110,-	963-129	153,-



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
 - 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
- 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 platform 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,-
- Suitable for models with weighing plate size
 - B: Mount to fasten the display device to the platform, KERN DE-A11N, € 40,-
 - C: Stand to elevate display device
 - B: Height of stand approx. 480 mm, KERN DE-A10, € 128,-
 - D: Height of stand approx. 600 mm, KERN DS-A03, € 140,-
 - D: 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,-
- 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,-
- 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 CDS 4K0.02	4	0,02	0,2	200.000	8	2,5	A	690,-	963-127	103,-
CDS 15K0.05	15	0,05	0,5	300.000	8	2,5	B	640,-	963-128	124,-
CDS 16K0.1	16	0,1	1	160.000	8	2,5	B	630,-	963-128	124,-
CDS 30K0.1	30	0,1	1	300.000	8	2,5	B	670,-	963-128	124,-
CDS 30K0.1L	30	0,1	1	300.000	19	2,5	C	1150,-	963-128	124,-
CDS 36K0.2L	36	0,2	2	180.000	19	2,5	C	1150,-	963-128	124,-
CDS 60K0.2	60	0,2	2	300.000	19	2,5	C	1150,-	963-129	153,-



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
- 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.
- 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: \varnothing 120 mm
- **1** [Max] 6000 g: WxD 155x145 mm
- Overall dimensions WxDxH
[Max] 600 g: 220x340x180 mm (incl. draught shield)
[Max] 6000 g: 220x340x105 mm
- Net weight
[Max] 600 g: approx. 3,2 kg
[Max] 6000 g: approx. 3,4 kg

Quantity scale KERN IFS

- Weighing platform 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

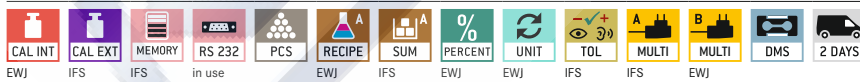
- Protective working cover, scope of delivery 5 items, KERN EWJ-A04S05, **€ 52,-**
- Internal rechargeable battery pack, operating time up to 57 h without backlight, charging time approx. 6,5 h, KERN KFB-A01, **€ 40,-**

Quantity scale KERN IFS

- Protective working cover over the display device, scope of delivery 5 items, KERN KFB-A02S05, **€ 52,-**
- 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

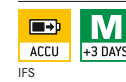
STANDARD



OPTION



FACTORY



Model	Quantity scale		Weighing plate	Reference scale		Smallest part weight (Normal) g/piece	Price excl. of VAT ex works €	Options			
	Weighing range [Max] kg	Readability [d] g		Weighing range [Max] g	Readability [d] g			Verification	DAkkS Calibr.	Certificate	
KERN							M KERN	€	DAkkS KERN	€	
CCA 6K-5M	3 6	1 2	A	600	0,01	0,2	1040,-	965-228-216	145,-	962-128-127	225,-
CCA 6K-4M	3 6	1 2	A	6000	0,1	1	1000,-	965-229-216	190,-	962-129-127	245,-
CCA 10K-5M	6 15	2 5	A	600	0,01	0,2	1040,-	965-228-216	145,-	962-128-127	225,-
CCA 10K-4M	6 15	2 5	A	6000	0,1	1	1000,-	965-229-216	190,-	962-129-127	245,-
CCA 30K-5M	15 30	5 10	B	600	0,01	0,2	1140,-	965-228-216	145,-	962-128-127	225,-
CCA 30K-4M	15 30	5 10	B	6000	0,1	1	1100,-	965-229-216	190,-	962-129-127	245,-
CCA 60K-5M	30 60	10 20	B	600	0,01	0,2	1150,-	965-229-216	190,-	962-129-127	245,-
CCA 60K-4M	30 60	10 20	B	6000	0,1	1	1100,-	965-229-216	190,-	962-129-127	245,-
CCA 100K-5M	60 150	20 50	C	600	0,01	0,2	1300,-	965-229-216	190,-	962-129-127	245,-
CCA 100K-4M	60 150	20 50	C	6000	0,1	1	1250,-	965-229-216	190,-	962-129-127	245,-

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.



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

- 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 IP65
- Models with weighing plate size **A** - **E**

Weighing bridge KERN KIP-V20M IP67

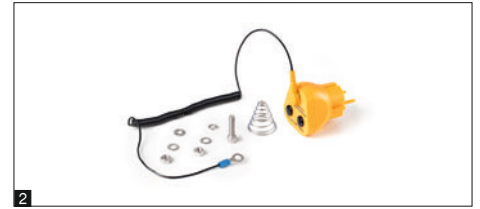
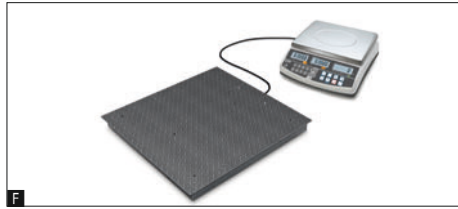
- Lacquered steel weighing bridge, corrugated steel plate. Extremely resistant to bending due to material thickness
- 4 load cells, alloy steel, silicone-coated, IP67
- Models with weighing plate size **F**, **G**, **H**

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
- 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
- Models with weighing plate size **J**



Technical data

Reference scale KERN CFS

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

Quantity platforms, KERN KFP-V20 IP67

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

Bulk weighing bridges, KERN KFP-V20 IP67

- Weighing platform dimensions, coated metal
 - 1** WxDxH 1500x1250x80 mm

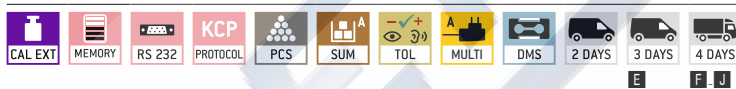
Bulk pallet load handling, KERN KFU-V20

- Weighing platform dimensions, coated metal
 - J** WxDxH 840x1190x90 mm
- Connection cable approx.
 - A - E** 3 m
 - F - J** 5 m

Accessories

- Protective working cover, scope of delivery 5 items, KERN CFS-A02S05, **€ 52,-**
- **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

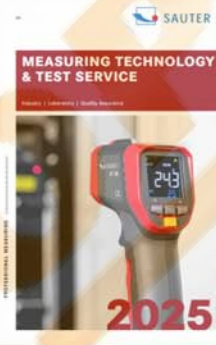
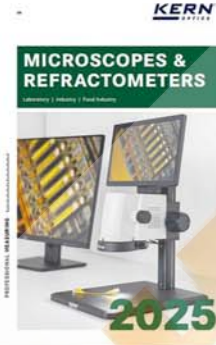


Model	Quantity scale		Weighing plate	Reference scale		Counting resolution	Smallest part weight (Normal) g/piece	Price excl. of VAT ex works €	Options	
	Weighing range [Max] kg	Readability [d] g		Weighing range [Max] g	Readability [d] g				DAKKS	Calibr. Certificate €
KERN CCS 6K-6	6	0,2	A	300	0,001	1.200.000	0,05	660,-	962-128-127	225,-
KERN CCS 10K-6	15	0,5	B	300	0,001	3.000.000	0,05	740,-	962-128-127	225,-
KERN CCS 30K0.01.	30	1	C	3000	0,01	600.000	0,5	730,-	962-128-127	225,-
KERN CCS 30K0.1.	30	1	C	6000	0,1	300.000	1	670,-	962-128-128	240,-
KERN CCS 60K0.01.	60	2	C	3000	0,01	1.200.000	0,5	720,-	962-129-127	245,-
KERN CCS 60K0.01L.	60	2	D	3000	0,01	1.200.000	0,5	770,-	962-129-127	245,-
KERN CCS 60K0.1.	60	2	C	6000	0,1	600.000	1	730,-	962-129-128	275,-
KERN CCS 60K0.1L.	60	2	D	6000	0,1	600.000	1	820,-	962-129-128	275,-
KERN CCS 150K0.01	150	5	D	3000	0,01	3.000.000	0,5	850,-	962-129-127	245,-
KERN CCS 150K0.01L	150	5	E	3000	0,01	3.000.000	0,5	1080,-	962-129-127	245,-
KERN CCS 150K0.1.	150	5	D	6000	0,1	1.500.000	1	760,-	962-129-128	275,-
KERN CCS 150K0.1L	150	5	E	6000	0,1	1.500.000	1	1095,-	962-129-128	275,-
KERN CCS 300K0.1*	300	10	E	6000	0,1	3.000.000	1	1110,-	962-129-128	275,-
KERN CCS 300K0.01*	300	10	E	3000	0,01	6.000.000	0,5	1170,-	962-129-127	245,-
KERN CCS 600K-1S*	600	200	F	6000	0,1	6.000.000	1	1840,-	962-130-127	320,-
KERN CCS 1T-4S*	1500	500	F	6000	0,1	15.000.000	1	1740,-	962-130-128	335,-
KERN CCS 1T-4*	1500	500	G	6000	0,1	15.000.000	1	2200,-	962-130-128	335,-
KERN CCS 1T-1L*	1500	500	H	6000	0,1	15.000.000	1	2750,-	962-130-128	335,-
KERN CCS 1T-1U*	1500	500	J	6000	0,1	15.000.000	1	1790,-	962-130-128	335,-
KERN CCS 3T-3L*	3000	1000	I	6000	0,1	30.000.000	1	2540,-	962-132-128	680,-

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