KERN®

FOOD (KITCHEN, STAINLESS STEEL, IP65…68 PROTECTION)

PROFESSIONAL MEASURING

180 YEARS
since 1844
KERN & SOHN

24

KERN Pictograms

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

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

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

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

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

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
KUP

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

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
RS 485

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

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

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

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

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

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

Network interface
For connecting the scale to an Ethernet network
LAN

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
KCP PROTOCOL

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

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

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

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 A

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

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

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

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

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
TOL

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

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

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

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

Rechargeable battery pack
Rechargeable set
ACCU

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
MULTI

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

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

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

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

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

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

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

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

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

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

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

KERN Models A‑Z

KERN Quick-Finder
How I quickly find the product I am looking for

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

And it's as simple as that – find the product you want in 2 steps:
1. Go to the product group index on page 3
2. Pick the appropriate product group and find the product you want using the Quick-Finder

1 FGE 5K-3S05

2 FGE 10K-3S05

7

Precise design kitchen scale for kitchen, cafetaria, gastronomy

Features

- KERN FGE 10K-3S05: Weighing plate made out of safety glass
- Easy and hygienic cleaning
- Low overall height for secure footing and space-saving storage
- Secure and non-slip positioning with rubber feet
- Very easy to use
  1 FGE 5K-3S05: 2 Buttons
  2 FGE 10K-3S05: 1 Button
- Comfortable taring with just one keystroke. For example, you can tare a bowl before starting a formulation. In addition, you can tare each time you weigh in a formulation ingredient, so that you can weigh in the next formulation ingredient with the weight indicated in the formula without having to do any calculations
- Integrated AUTO-OFF function to preserve the batteries
- Large high-contrasted display that is easy to read
- **3** Delivered in single design packaging

Technical data

1 FGE 5K-3S05

- Large backlit LCD display, Digit height 18 mm
- Weighing plate dimensions, acrylic, W×D 152×230 mm
- Overall dimensions W×D×H 152×230×15 mm
- Ready for use: Batteries included, 2×CR2032

2 FGE 10K-3S05

- Large, luminescent LED segments display, Digit height 22 mm
- Weighing plate dimensions, glass, W×D 272×205 mm
- Overall dimensions W×D×H 272×250×22 mm
- Ready for use: Batteries included, 3×1.5 V AA

- **Note:** The models are delivered in a set of 5 units. i.e. the price given in the table refers to 5 items. Cannot be delivered individually. The calibration prices refers to one single balance

STANDARD | OPTION

| CAL EXT | UNIT | BATT | DMS | 1 DAY | DAkkS +3 DAYS |

Model	Weighing capacity		Readability	Price excl. of VAT ex works	Options DAkkS Calibr. Certificate	
	[Max]		[d]		DAkkS	
KERN	kg		g	€	KERN	€
FGE 5K-3S05	5		1	**115,–**	963-127	98,–
FGE 10K-3S05	15		1	**170,–**	963-128	118,–

Compact bench scale with multi-purpose functionality and a high level of accuracy for use in industry, gastronomy and kitchen

7

Features

- Ideal as a
  - Checkweigher in the catering trade, cafeterias, school kitchens
  - compact letter and parcel scale, especially in constricted spaces
  - grading or commissioning balance or simple checkweigher in production or dispatch
- Simple and convenient 5-key operation
- Very fast display: steady weight values within 3 s
- High mobility: Thanks to battery operation/ rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department, etc.)
- Protective working cover included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 253×228 mm
- Overall dimensions W×D×H 270×345×106 mm
- Optional battery operation, 9 V block not included in scope of delivery, operating time up to 20 h, AUTO-OFF function to preserve the battery
- Net weight approx. 2,8 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- Protective working cover, scope of delivery 5 items, KERN FCF-A01S05, **€ 44,–**
- Internal rechargeable battery pack, operating time up to 120 h without backlight, charging time approx. 16 h, KERN GAB-A04, **€ 42,–**

STANDARD

| CAL EXT | PCS | RECIPE | PERCENT | UNIT | MOVE | BATT | MULTI | DMS | 1 DAY |

OPTION

| ACCU | DAkkS +3 DAYS |

Model	Weighing capacity	Readability	Reproducibility	Linearity	Smallest part weight (Normal)	Price excl. of VAT ex works	Options DAkkS Calibr. Certificate DAkkS	
KERN	[Max] kg	[d] g	g	g	g/piece	€	KERN	€
FCF 3K-4	3	0,1	0,1	± 0,3	2	**220,–**	963-127	98,–
FCF 30K-3	30	1	1	± 3	20	**220,–**	963-128	118,–

Stainless Steel Bench Scale KERN FOB-LM

Compact stainless steel bench scale with special checkweighing display for even more efficient working, verification optional

Features

- **1** Innovative weighing with tolerance range (Checkweighing): The colour of the display changes depending on the weight (too light/ok/too heavy) and is an aid to help with portioning, dosing and grading
- Thanks to the stainless steel design of the housing and platform with smooth surface, the scale is rust-free and easy to clean
- **2** Ideal for the increased hygienic requirements in the food industries
- High mobility: thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchens, sales offices, cafeterias, food industry laboratories, etc.)
- Your support in a HACCP-compliant quality system
- Protection against dust and water splashes IP65 (only when using battery)

- Increased protection against humidity through waterproof silicone sealing of the load cell, electronics and soldering joints
- Secure and non-slip positioning with rubber feet
- Mains adapter included with the delivery
- Protective working cover included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 248×198 mm
- Overall dimensions W×D×H 256×285×100 mm
- Battery operation, 4×1.5 V AA standard, operating time up to 48 h, AUTO-OFF function to preserve the battery
- Net weight approx. 3,8 kg
- Permissible ambient temperature 0 °C/40 °C

Accessories

- **3** Protective working cover, scope of delivery 5 items, Protective working cover, scope of delivery 5 items, KERN FOB-A13S05, **€ 44,–**
- **4** Tare pan made from stainless steel, ideal for weighing loose small parts as well as fruits, vegetables, etc., overall dimensions W×D×H 400×300×45 mm, KERN RFS-A02, **€ 75,–**

Note: Official verification is mandatory for commercial trade

STANDARD						OPTION	FACTORY
CAL EXT	TOL	IP 65	BATT	230 V	DMS	1 DAY	DAkkS +3 DAYS	M +3 DAYS

| Model | Weighing capacity | Readability | Verification value | Minimal load | Price excl. of VAT ex works | Verification | | Options DAkkS Calibr. Certificate | |
KERN	[Max] kg	[d] g	[e] g	[Min] g	€	KERN	€	DAkkS KERN	€
FOB 1K-4LM	1,5	0,5	0,5	10	**335,–**	965-227	65,–	963-127	98,–
FOB 3K-3LM	3	1	1	20	**340,–**	965-227	65,–	963-127	98,–
FOB 6K-3LM	6	2	2	40	**335,–**	965-228	84,–	963-128	118,–
FOB 10K-3LM	15	5	5	100	**335,–**	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.

FOB-S

FOB-NS

Compact stainless steel balance for weighing, checking and portioning in the smallest of spaces

Features

- Thanks to the stainless steel design of the housing and platform with smooth surface, the scale is rust-free and easy to clean
- High mobility: thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchen, sales office, cafeteria, food industry-laboratory etc.)
- Secure and non-slip positioning with rubber feet
- Protection against dust and water splashes IP65 (only when using battery)
- Your support in a HACCP-compliant quality system
- Particularly flat design
- Protective working cover included with delivery

Accessories

- External mains adapter, KERN YKA-46, **€ 45,–**

FOB-S
- Protective working cover, scope of delivery 5 items, KERN FOB-A12S05, **€ 44,–**

FOB-NS
- Protective working cover, scope of delivery 5 items, KERN FOB-A11S05, **€ 44,–**

STANDARD

| CAL EXT | UNIT | IP 65 FOB-NS | BATT | DMS | 1 DAY |

OPTION

| 230 V | DAkkS +3 DAYS |
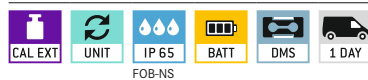
KERN	FOB 500-1S	FOB 5K1S	FOB 0.5K-4NS	FOB 5K-3NS
Weighing capacity [Max] g	500	5000	500	5000
Readability [d] g	0,1	1	0,1	1
Display without backlight, digit height	LCD, 20 mm		LCD, 20 mm	
Dimensions of weighing plate W×D mm	125×155		120×150	
Overall dimensions W×D×H	155×175×40 mm		150×170×40 mm	
Batteries included with delivery	9 V Block		9 V Block	
Operating time up to	20 h		20 h	
Net weight	0,70 kg		0,80 kg	
Permissible ambient temperature	10 °C – 40 °C		10 °C – 35 °C	10 °C – 40 °C
Price, excl. of VAT, ex works, €	**90,–**		**125,–**	
Option DAkkS Calibr. Certificate	963-127, € 98,–		963-127, € 98,–	

FOB

FOB-NL

7

Compact stainless steel balance with large weighing range

Features

- FOB: Innovative weighing with tolerance range (Checkweighing): The colour of the display changes depending on the weight (too light/ok/too heavy) and is an aid to help with portioning, dosing and grading
- FOB-NL: Protection against dust and water splashes IP67 (only when using battery)
- Thanks to the stainless steel design of the housing and platform with smooth surface, the scale is rust-free and easy to clean
- Increased protection against humidity through waterproof silicone sealing of the load cell, electronics and soldering joints

- Your support in a HACCP-compliant quality system
- Ideal for the increased hygienic requirements in the food industries
- High mobility: Thanks to battery operation/rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations
- Secure and non-slip positioning with rubber feet

Accessories

- Tare pan made from stainless steel, ideal for weighing loose small parts as well as fruits, vegetables, etc., overall dimensions W×D×H 400×300×45 mm, KERN RFS-A02, **€ 75,–**

FOB
- Protective working cover, scope of delivery: 5 items, KERN FOB-A05S05, **€ 44,–**
- Internal rechargeable battery pack, operating time up to 24 h without backlight, charging time approx. 8 h, KERN FOB-A07, **€ 60,–**

FOB-NL
- Protective working cover, scope of delivery 5 items, KERN FOB-A13S05, **€ 44,–**
- External mains adapter, KERN YKA-29, **€ 43,–**

STANDARD | | OPTION | STANDARD | | OPTION

KERN	FOB 1.5K0.5	FOB 3K1	FOB 6K2	FOB 3K-4NL	FOB 7K-4NL*	FOB 10K-3NL*	FOB 30K-3NL*
Weighing capacity [Max] kg	1,5	3	6	3	5 | 7,5	8 | 15	16 | 30
Readability [d] g	0,5	1	2	0,2	0,5 | 1	1 | 2	2 | 5
LCD display backlight, digit height	yes, 20 mm			no, 25 mm	yes 25 mm		
Dimensions of weighing plate W×D mm	175×165			252×200			
Overall dimensions W×D×H mm	235×175×55		243×183×54	285×255×90			
Power supply included with delivery	Power supply			Battery, 4×1.5 V AA operating time up to 48 h			
Net weight	1,8 kg		2,0 kg	3,8 kg			
Permissible ambient temperature	5 °C – 35 °C			5 °C – 35 °C			
Price, excl. of VAT, ex works, €	**240,–**	**240,–**	**240,–**	**330,–**	**295,–**	**295,–**	**295,–**
Option DAkkS Calibr. Certificate	963-127, € 98,–	963-127, € 98,–	963-128, € 118,–	963-127, € 98,–	963-128, € 118,–	963-128, € 118,–	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].

Ideal for food industry, thanks to its IP65 protection and special checkweighing display, verification optional

Features

- Ideal for the increased hygienic requirements in the food industries
- Your support in a HACCP-compliant quality system
- **1** Protection against dust and water splashes IP65 (only when using rechargeable battery pack)
- Very fast display: steady weight values within 2 s
- **2** Second display on the back of the balance
- Compact size, practical for small spaces
- **3** Innovative weighing with tolerance range (Checkweighing): The colour of the display changes depending on the weight (too light/ok/too heavy) and is an aid to help with portioning, dosing and grading

- High mobility: thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations
- Recessed grips on the underside of the scale for easy transportation
- Protective working cover included with delivery

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 263×203 mm
- Overall dimensions W×D×H 286×316×126,5 mm
- Net weight approx. 3,2 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Protective working cover, scope of delivery 5 items, KERN RFB-A01S05, **€ 44,–**
- Internal rechargeable battery pack, operating time up to 50 h without backlight, charging time approx. 12 h, KERN WTB-A01N, **€ 38,–**
- **4** Tare pan made from stainless steel, ideal for weighing loose small parts as well as fruits, vegetables, etc., overall dimensions W×D×H 400×300×45 mm, KERN RFS-A02, **€ 75,–**

STANDARD

| CAL EXT | TOL | IP 65 | MULTI | DMS | 1 DAY |

OPTION

| ACCU | DAkkS +3 DAYS |

FACTORY

| M +3 DAYS WTB-NM |

Model	Weighing capacity	Readability	Verification value	Minimal load	Price excl. of VAT ex works	Verification		Options DAkkS Calibr. Certificate	
	[Max]	[d]	[e]	[Min]				DAkkS	
KERN	kg	g	g	g	€	KERN	€	KERN	€
WTB 1K-4N	1,5	0,2	-	-	**285,–**	-	-	963-127	98,–
WTB 3K-4N	3	0,5	-	-	**285,–**	-	-	963-127	98,–
WTB 6K-3N	6	1	-	-	**285,–**	-	-	963-128	118,–
WTB 10K-3N	15	2	-	-	**285,–**	-	-	963-128	118,–
WTB 30K-3N	30	5	-	-	**285,–**	-	-	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.

Model	Weighing capacity	Readability	Verification value	Minimal load	Price	Verification		Options	
WTB 3K-3NM	3	1	1	20	**300,–**	965-227	65,–	963-127	98,–
WTB 1K-4NM	1,5	0,5	0,5	10	**300,–**	965-227	65,–	963-127	98,–
WTB 6K-3NM	6	2	2	40	**300,–**	965-228	84,–	963-128	118,–
WTB 10K-3NM	15	5	5	100	**300,–**	965-228	84,–	963-128	118,–
WTB 30K-2NM	30	10	10	200	**300,–**	965-228	84,–	963-128	118,–

7

All-round bench scale, protected by stainless steel and IP65 rating, verification optional

Features

- **1** Ideal for the ever-increasing hygienic requirements in the food, pharmaceutical and chemical industries
- Your support in a HACCP-compliant quality system
- **2** Ideal for the robust industrial applications
- **3** Protection against dust and water splashes IP65 (only when using rechargeable battery pack)
- High mobility: thanks to rechargeable battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchens, sales offices, cafeterias, food industry laboratories, etc.)
- Thanks to the stainless steel design of the housing and platform with smooth surface, the scale is rust-free and easy to clean
- Recessed grips on the underside of the scale for easy transportation

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 233×193 mm
- Overall dimensions W×D×H 243×300×127 mm
- Rechargeable battery pack integrated, as standard, operating time up to 50 h without backlight, charging time approx. 12 h
- Net weight approx. 4,0 kg
- Permissible ambient temperature: -10 °C/40 °C

Accessories

- Tare pan made from stainless steel, ideal for weighing loose small parts as well as fruits, vegetables, etc., overall dimensions W×D×H 400×300×45 mm, KERN RFS-A02, **€ 75,–**

STANDARD | OPTION | FACTORY

CAL EXT	UNIT	IP 65	ACCU	MULTI	DMS	1 DAY	DAkkS +3 DAYS	M +3 DAYS
		3						FFN-M

Model KERN	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Price excl. of VAT ex works €	Verification ⓂⅢ KERN	 €	Options DAkkS Calibr. Certificate DAkkS KERN	 €
FFN 1K-4N	1,5	0,2	-	-	**325,–**	-	-	963-127	98,–
FFN 3K0.5IPN	3	0,5	-	-	**325,–**	-	-	963-127	98,–
FFN 6K1IPN	6	1	-	-	**325,–**	-	-	963-128	118,–
FFN 15K2IPN	15	2	-	-	**325,–**	-	-	963-128	118,–
FFN 25K5IPN	25	5	-	-	**325,–**	-	-	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.

FFN 1K-4NM	1,5	0,5	0,5	10	**340,–**	965-227	65,–	963-127	98,–
FFN 3K1IPM	3	1	1	20	**340,–**	965-227	65,–	963-127	98,–
FFN 6K2IPM	6	2	2	40	**340,–**	965-228	84,–	963-128	118,–
FFN 15K5IPM	15	5	5	100	**340,–**	965-228	84,–	963-128	118,–
FFN 25K10IPM	25	10	10	200	**340,–**	965-228	84,–	963-128	118,–
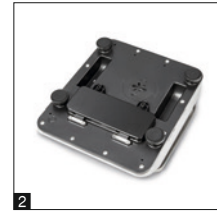
Bench scale, protected by stainless steel and protection type IP68, verification optional

Features

- Ideal for the increased hygienic requirements in the food industries
- Your support in a HACCP-compliant quality system
- Ideal for the robust industrial applications
- Thanks to the stainless steel design of the housing and platform with smooth surface, the scale is rust-free and easy to clean
- ❶ Dust and splash water protection type IP68. Therefore very robust and durable. Ideal for rough environmental conditions. Even immersion of the scale in water possible
- Very fast display: steady weight values within 2 s
- High mobility: thanks to battery operation, compact, lightweight construction, it is suitable for the use in several locations (kitchens, sales offices, cafeterias, food industry laboratories, etc.)

- ❷ Recessed grips on the underside of the scale for easy transportation
- Weighing with tolerance range (checkweighing): a visual and audible signal helps with portioning, dispensing or grading

Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 236×195 mm
- Ready for use: Batteries standard, 4×1.5 V Size D, operating time approx. 500 h, AUTO-OFF function to preserve the battery
- Net weight approx. 3,4 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- ❸ Tare pan made from stainless steel, ideal for weighing loose small parts as well as fruits, vegetables, etc., overall dimensions W×D×H 400×300×45 mm, KERN RFS-A02, **€ 75,–**

Note: Official verification is mandatory for commercial trade

|		STANDARD						OPTION	FACTORY
CAL EXT	PCS	UNIT	TOL	IP 68	BATT	DMS	1 DAY	DAkkS +3 DAYS	M +3 DAYS FXN-M

Model KERN	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight (Normal) g/piece	Price excl. of VAT ex works €	Verification M KERN	€	Options DAkkS Calibr. Certificate DAkkS KERN	€
FXN 3K-4N	3	0,5	-	-	5	**460,–**	-	-	963-127	98,–
FXN 6K-3N	6	1	-	-	10	**460,–**	-	-	963-128	118,–
FXN 10K-3N	15	2	-	-	20	**460,–**	-	-	963-128	118,–
FXN 30K-3N	30	5	-	-	50	**460,–**	-	-	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.

FXN 3K-3M	3	1	1	20	5	**490,–**	965-227	65,–	963-127	98,–
FXN 10K-3M	15	5	5	100	20	**490,–**	965-228	84,–	963-128	118,–
FXN 6K-3M	6	2	2	40	10	**490,–**	965-228	84,–	963-128	118,–
FXN 30K-2M	30	10	10	200	50	**490,–**	965-228	84,–	963-128	118,–

IoT ready ✓

NEW

Easy Touch

7

Interlinked for industry of the future:
Stainless steel platform scale with up to four data interfaces and optional alibi memory, also with optional verification

Features

- Ideal for the robust industrial applications
- Platform: made entirely of stainless steel, hermetically welded stainless steel load cell with protection against dust and water splashes IP68
- Display device: stainless steel, dust and splash water protection IP68, integrated power supply
- Ideal for the increased hygienic requirements in the food industries
- Superior display size: digit height 48 mm, bright backlight for easy reading of weighing results, even in poor lighting conditions
- Standardised, convenient KERN concept of operation, consistency across products in terms of design, menu structure, button functions, interface connection and interface protocol
- Industry 4.0: The exchange of data and control commands is optional using up to four interfaces to suit individual requirements: two wired connections (RS 232, Ethernet, USB or analogue module) and two wireless connections (WiFi, Bluetooth)

- Each interface can be set up separately, e.g.:
  - Interface 1 (WiFi): Continuous sending to a PC for documentation of a process
  - Interface 2 (RS-232): Print stable weight
  - Interface 3 (analogue module): Controlling a device when the target weight is reached
  - Interface 4 (Bluetooth): Continuous sending to a tablet to monitor a process
- Data query and remote control of the balance using a computer or CRM/ERP systems using the KERN Communication Protocol (for details see page 20/21)
- Available as an option 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

Technical data

- Large backlit LCD display, digit height 48 mm
- Weighing plate dimensions, stainless steel
  - **A** W×D×H 300×240×104 mm
  - **B** W×D×H 400×300×115 mm
  - **C** W×D×H 400×300×115 mm
  - **D** W×D×H 500×400×117 mm, see larger picture
  - **E** W×D×H 650×500×136 mm
- Dimensions of display device W×D×H 232×150×80 mm
- Cable length of display device approx. 2,5 m
- Permissible ambient temperature -10 °C/40 °C

IoT-Line Stainless Steel Platform Scale KERN SXC

Accessories

- Internal rechargeable battery pack, operating time up to 48 h without backlight, charging time approx. 8 h, KERN YKR-01, **€ 35,–**
- Stand to be screwed onto the platform Height of stand approx. 330 mm, KERN SXC-A01, **€ 95,–**
  1 Height of stand approx. 600 mm, KERN SFB-A01, **€ 110,–**
- Internal data interface RS-232, interface cable included, KERN KUM-01, **€ 120,–**
- Internal data interface USB, interface cable included, KERN KUM-03, **€ 120,–**
- Internal data interface Ethernet, interface cable included, KERN KUM-04, **€ 165,–**
- Internal data interface WiFi, KERN KUM-05, **€ 95,–**
- Internal data interface Bluetooth, KERN KUM-06, **€ 135,–**
- Analogue module, KERN KUM-08, **€ 145,–**

- Memory module with real time clock (alibi memory), KERN YMM-06, **€ 160,–**
- 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,–**
- Signal lamp for visual support of weighing with tolerance range (only in combination with Data interface RS-232 KERN KUM-01), KERN CFS-A03, **€ 310,–**
- Roller conveyor attachment, with smooth-running, hot-dip galvanised steel rollers with ball bearings, robust aluminium profile frame for models ≥ 30 kg [Max] with weighing plate size
  B - **C** KERN YRO-01, **€ 830,–**
  D KERN YRO-02, **€ 870,–**
  E KERN YRO-03, **€ 1200,–**
- Further details, plenty of further accessories and suitable printers see *Accessories*

*Note: only two wired connections (RS-232, Ethernet, USB or analogue module) and two wireless connections (WiFi, Bluetooth) can be used at the same time

Model KERN	Weighing capacity [Max] kg	Read-ability [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Verification M(III) KERN	Verification €	DAkkS Calibr. Certificate DAkkS KERN	€
SXC 6K-4	6	0,5	-	-	6	A	1300,–	-	-	963-128	118,–
SXC 10K-3	15	1	-	-	7	A	1300,–	-	-	963-128	118,–
SXC 10K-3L	15	1	-	-	12	B	1350,–	-	-	963-128	118,–
SXC 30K-3	30	2	-	-	12	C	1300,–	-	-	963-128	118,–
SXC 30K-3L	30	2	-	-	22	D	1350,–	-	-	963-128	118,–
SXC 60K-3	60	5	-	-	12	C	1300,–	-	-	963-129	146,–
SXC 60K-3L	60	5	-	-	22	D	1350,–	-	-	963-129	146,–
SXC 100K-2	150	10	-	-	24	D	1300,–	-	-	963-129	146,–
SXC 100K-2L	150	10	-	-	34	E	1500,–	-	-	963-129	146,–
SXC 300K-2	300	20	-	-	36	E	1600,–	-	-	963-129	146,–

Multi-range balance with high-resolution display, 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

Model KERN	Weighing capacity [Max] kg	Read-ability [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate	Price excl. of VAT ex works €	Verification M(III) KERN	Verification €	DAkkS Calibr. Certificate DAkkS KERN	€
SXC 6K-3M	3 | 6	1 | 2	1 | 2	20 | 40	6	A	1200,–	965-228	84,–	963-128	118,–
SXC 10K-3M	6 | 15	2 | 5	2 | 5	40 | 100	7	A	1200,–	965-228	84,–	963-128	118,–
SXC 10K-3LM	6 | 15	2 | 5	2 | 5	40 | 100	12	B	1250,–	965-228	84,–	963-128	118,–
SXC 30K-3M	15 | 30	5 | 10	5 | 10	100 | 200	12	C	1200,–	965-228	84,–	963-128	118,–
SXC 30K-3LM	15 | 30	5 | 10	5 | 10	100 | 200	22	D	1250,–	965-228	84,–	963-128	118,–
SXC 60K-2M	30 | 60	10 | 20	10 | 20	200 | 400	12	C	1200,–	965-229	110,–	963-129	146,–
SXC 60K-2LM	30 | 60	10 | 20	10 | 20	200 | 400	22	D	1250,–	965-229	110,–	963-129	146,–
SXC 100K-2M	60 | 150	20 | 50	20 | 50	400 | 1000	24	D	1200,–	965-229	110,–	963-129	146,–
SXC 100K-2LM	60 | 150	20 | 50	20 | 50	400 | 1000	34	E	1400,–	965-229	110,–	963-129	146,–
SXC 300K-2M	150 | 300	50 | 100	50 | 100	1000 | 2000	36	E	1500,–	965-229	110,–	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.

NEW New model

7

Stainless steel platform scales with IP65/67 protection, also with XL platform or optional verification

Features

- Ideal for the robust industrial applications
- **1** Display device: stainless steel, protection against dust and water splashes IP65, (only when using rechargeable battery pack)
- **2** Platform: made entirely of stainless steel, silicone-coated Stainless Steel load cell, protection against dust and water splashes IP67
- **3** KERN SFB-H: Column, standard, for models with weighing plate size
  A Height of stand approx. 200 mm
  B Height of stand approx. 400 mm
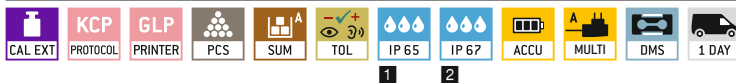
Technical data

- Large backlit LCD display, digit height 52 mm
- Dimensions of display device W×D×H 266×165×96 mm
- Weighing plate dimensions W×D×H, stainless steel
  A 300×240×104 mm **B** 400×300×115 mm
  C 500×400×117 mm **D** 650×500×136 mm
- Rechargeable battery pack integrated, as standard, operating time up to 35 h without backlight, charging time approx. 12 h
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **4** KERN SFB: Stand to be screwed onto the platform, height of stand approx. 600 mm, KERN SFB-A01, **€ 110,–**
- Data interface RS-232, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KFN-A01, **€ 225,–**
- Bluetooth data interface for wireless data transfer to PC or tablets, must be ordered at purchase, not in combination with verification, KERN KFB-A03, **€ 160,–**
- Analogue module, must be ordered at purchase 0–10 V: KERN KFB-A04, **€ 170,–** 4–20 mA: KERN KFB-A05, **€ 170,–**
- Further details, plenty of further accessories and suitable printers see *Accessories*

Please note: only one optional interface can be fitted for each device

STANDARD | OPTION | FACTORY

| CAL EXT | KCP PROTOCOL | GLP PRINTER | PCS | SUM A | TOL | IP 65 | IP 67 | ACCU | MULTI A | DMS | 1 DAY | DAkkS +3 DAYS | RS 232 | BT 2.0 | ANALOG D/A | M +3 DAYS SFB-M/ SFB-HM |

Model KERN	Weighing capacity [Max] kg	Read-ability [d] g	Verification value [e] g	Minimal load [Min] g	Weighing plate	Net weight approx. kg	Price excl. of VAT ex works €	Verification M KERN	€	Options DAkkS Calibr. Certificate DAkkS KERN	€
SFB 50K-3XL	50	5	-	-	C	14	970,–	-	-	963-128	118,–
SFB 100K-2XL	100	10	-	-	D	24	1430,–	-	-	963-129	146,–
3 with elevated display											
SFB 10K1HIP	10	1	-	-	A	8	850,–	-	-	963-128	118,–
SFB 20K2HIP	20	2	-	-	A	8	850,–	-	-	963-128	118,–
SFB 50K5HIP	50	5	-	-	A	8	850,–	-	-	963-128	118,–
SFB 50K5LHIP	50	5	-	-	B	10	820,–	-	-	963-128	118,–
SFB 100K10HIP	100	10	-	-	B	10	880,–	-	-	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.

SFB 60K-2XLM	60	20	20	400	C	14	1130,–	965-229	110,–	963-129	146,–
SFB 100K-2LM	150	50	50	1000	C	14	1210,–	965-229	110,–	963-129	146,–
SFB 100K-2XLM	150	50	50	1000	D	24	1450,–	965-229	110,–	963-129	146,–
3 with elevated display											
SFB 100K-2HM	150	50	50	1000	B	10	910,–	965-229	110,–	963-129	146,–
SFB 15K5HIPM	15	5	5	100	A	8	870,–	965-228	84,–	963-128	118,–
SFB 30K10HIPM	30	10	10	200	A	8	870,–	965-228	84,–	963-128	118,–
SFB 60K20LHIPM	60	20	20	400	B	10	890,–	965-229	110,–	963-129	146,–

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