

# 7



## FOOD (KITCHEN, STAINLESS STEEL, IP65...68 PROTECTION)

### KERN scales – without fear of water!

Scales used in industrial situations or the food industry are often exposed to extreme stresses and strains. Water, oils, fats, varnish, dust, dirt, flour, small parts etc. are all natural enemies of a scale. In industries such as the food, chemical, manufacturing industries, etc., scales must be able to cope with these stressors without it affecting their performance.

For use in such harsh environmental conditions, levels of protection are defined, which specify which environmental stressors a system can be exposed to with respect to the level of contact, foreign object and moisture protection, without damage being caused to the unit.

These levels of protection are described in the following standard: “DIN EN 60529: protection types through housing” The IP code usually consists of a two-digit combination, which gives the relevant level of protection, e.g. IP68. The first digit specifies the protection level for contact protection and protection against foreign bodies (dust protection), the second digit is for the water and moisture protection (protection against splashes of water).

All stainless steel components of the IP65...68 protected KERN stainless steel scales are made of corrosion-resistant steel of quality class 1.4301 (DIN X5CrNi18-10). The material properties support you in your ► **HACCP**-compliant quality system.

► [See the Glossary](#)

### Extract from the standard: “DIN EN 60529: protection types through housing”:










KERN-Pictogram	1. digit	Specification	2. digit	Specification
	6	Dustproof	5	Protection against jets of water (nozzle) from any angle (cleaning with a damp cloth)
	6	Dustproof	6	Protection against powerful jets of water
	6	Dustproof	7	Protection against temporary immersion
	6	Dustproof	8	Protection against continuous immersion (designed for continuous use in wet areas, submersion is possible depending on the pressure (water depth)

# Quick-Finder Food (kitchen/stainless steel/IP65...68 protection)

Readout	Weighing range [Max]	Model	Page	M	CAL EXT	RS 232	TOL	IP 65	IP 67	IP 68	BATT	ACCU
[d]	kg	KERN		For an explanation on the pictos, see the front flap								
0,1	0,5	FOB 500-1S	69	●								●
0,1	0,5	FOB 0.5K-4NS	69	●				●				●
0,1	3	FCF 3K-4	67	●								● ○
0,2	1,5	WTB 1K-4N	71	●			●	●				○
0,2	1,5	FFN 1K-4N	72	●				●				●
0,2	3	FOB 3K-4NL	70	●					●			●
0,5	1,5	FOB 1K-4LM	68	○	●		●	●				●
0,5	1,5	FOB 1.5K0.5	70	●			●					○
0,5	1,5	WTB 1K-4NM	71	○	●		●	●				○
0,5	1,5	FFN 1K-4NM	72	○	●			●				●
0,5	3	WTB 3K-4N	71	●			●	●				○
0,5	3	FFN 3K0.5IPN	72	●				●				●
0,5	3	FXN 3K-4N	73	●			●			●		●
0,5	6	SXC 6K-4	74	●	○	●				●		○
0,5   1	5   7,5	FOB 7K-4NL	70	●					●			●
1	3	FOB 3K-3LM	68	○	●		●	●				●
1	3	FOB 3K1	70	●			●					○
1	3	WTB 3K-3NM	71	○	●		●	●				○
1	3	FFN 3K1IPM	72	○	●			●				●
1	3	FXN 3K-3M	73	○	●		●			●		●
1	5	FGE 5K-3S05	66	●								●
1	5	FOB 5K1S	69	●								●
1	5	FOB 5K-3NS	69	●				●				●
1	6	WTB 6K-3N	71	●			●	●				○
1	6	FFN 6K1IPN	72	●				●				●
1	6	FXN 6K-3N	73	●			●			●		●
1	10	SFB 10K1HIP	76	●	○	●						●
1	15	FGE 10K-3S05	66	●								●
1	15	SXC 10K-3	74	●	○	●				●		○
1	15	SXC 10K-3L	74	●	○	●				●		○
1	30	FCF 30K-3	67	●								● ○
1   2	3   6	SXC 6K-3M	74	○	●	○	●			●		○
1   2	8   15	FOB 10K-3NL	70	●					●			●
2	6	FOB 6K-3LM	68	○	●		●	●				●
2	6	FOB 6K2	70	●			●					○
2	6	WTB 6K-3NM	71	○	●		●	●				○
2	6	FFN 6K2IPM	72	○	●			●				●
2	6	FXN 6K-3M	73	○	●		●			●		●
2	15	WTB 10K-3N	71	●			●	●				○
2	15	FFN 15K2IPN	72	●				●				●
2	15	FXN 10K-3N	73	●			●			●		●
2	20	SFB 20K2HIP	76	●	○	●						●
2	30	SXC 30K-3	74	●	○	●				●		○
2	30	SXC 30K-3L	74	●	○	●				●		○
2   5	6   15	SXC 10K-3M	74	○	●	○	●			●		○
2   5	6   15	SXC 10K-3LM	74	○	●	○	●			●		○
2   5	16   30	FOB 30K-3NL	70	●					●			●
5	15	FOB 10K-3LM	68	○	●		●	●				●
5	15	WTB 10K-3NM	71	○	●		●	●				○
5	15	FFN 15K5IPM	72	○	●			●				●
5	15	FXN 10K-3M	73	○	●		●			●		●
5	15	SFB 15K5HIPM	76	○	●	○	●					●
5	25	FFN 25K5IPN	72	●				●				●
5	30	WTB 30K-3N	71	●			●	●				○
5	30	FXN 30K-3N	73	●			●			●		●
5	50	SFB 50K5LHIP	76	●	○	●						●
5	50	SFB 50K5HIP	76	●	○	●						●
5	50	SFB 50K-3XL	76	●	○	●						●
5	60	SXC 60K-3	74	●	○	●				●		○
5	60	SXC 60K-3L	74	●	○	●				●		○
5   10	15   30	SXC 30K-3M	74	○	●	○	●			●		○
5   10	15   30	SXC 30K-3LM	74	○	●	○	●			●		○
10	25	FFN 25K10IPM	72	○	●			●				●
10	30	WTB 30K-2NM	71	○	●		●	●				○
10	30	FXN 30K-2M	73	○	●		●			●		●
10	30	SFB 30K10HIPM	76	○	●	○	●					●
10	100	SFB 100K10HIP	76	●	○	●						●
10	100	SFB 100K-2XL	76	●	○	●						●
10	150	SXC 100K-2	74	●	○	●				●		○
10	150	SXC 100K-2L	74	●	○	●				●		○
10   20	30   60	SXC 60K-2M	74	○	●	○	●			●		○

● Standard ○ Option

## Quick-Finder Food (kitchen/stainless steel/IP65...68 protection)

Readout	Weighing range	Model	Page									
[d]	[Max]	KERN		For an explanation on the pictos, see the front flap								
g	kg											
10   20	30   60	<b>SXC 60K-2LM</b>	74	○	●	○	●			●		○
20	60	<b>SFB 60K20LHIPM</b>	76	○	●	○	●					●
20	60	<b>SFB 60K-2XLM</b>	76	○	●	○	●					●
20	300	<b>SXC 300K-2</b>	74		●	○	●			●		○
20   50	60   150	<b>SXC 100K-2M</b>	74	○	●	○	●			●		○
20   50	60   150	<b>SXC 100K-2LM</b>	74	○	●	○	●			●		○
50	150	<b>SFB 100K-2HM</b>	76	○	●	○	●			●		●
50	150	<b>SFB 100K-2LM</b>	76	○	●	○	●					●
50	150	<b>SFB 100K-2XLM</b>	76	○	●	○	●					●
50   100	150   300	<b>SXC 300K-2M</b>	74	○	●	○	●			●		○

● Standard ○ Option

PRECISION

SET  
5x



1 FGE 5K-3S05

2 FGE 10K-3S05



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## Precise design kitchen scale for kitchen, cafeteria, gastronomy

### Features

- 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
- Overall dimensions W×D×H 152×230×15 mm
- Dimensions weighing surface, acrylic, W×D 152×230 mm
- Ready for use: Batteries included, 2×CR2032

#### 2 FGE 10K-3S05

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

Note: The models with the suffix -S05 are delivered in a set of 5 units. i.e. the price given in the table refers to 5 items. Cannot be delivered individually

STANDARD



OPTION



Model	Weighing capacity [Max] kg	Readability [d] g	Options
			DAkKS Calibr. Certificate DAkKS KERN
FGE 5K-3S05	5	1	963-127S05
FGE 10K-3S05	15	1	963-128S05





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

### 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
- 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, WxD 253x228 mm
- Overall dimensions WxDxH 270x345x106 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
- Internal rechargeable battery pack, operating time up to 120 h without backlight, charging time approx. 16 h, KERN GAB-A04

STANDARD



OPTION



Model	Weighing capacity [Max] kg	Readability [d] g	Reproducibility g	Linearity g	Smallest part weight (Normal) g/piece	Options
						DAKKS Calibr. Certificate DAKKS KERN
FCF 3K-4	3	0,1	0,1	± 0,3	2	963-127
FCF 30K-3	30	1	1	± 3	20	963-128



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

### Features

- **1** Innovative weighing with tolerance range: 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
- Thanks to battery operation, compact, light-weight 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, WxD 248x198 mm
- Overall dimensions WxDxH 256x285x100 mm
- Battery operation, 4x1.5 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, KERN FOB-A13S05
- **4** Tare pan made from stainless steel, ideal for weighing loose small parts as well as fruits, vegetables, etc., overall dimensions WxDxH 400x300x45 mm, KERN RFS-A02



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Options	
					Verification M KERN	DAkkS Calibr. Certificate DAkkS KERN
KERN						
FOB 1K-4LM	1,5	0,5	0,5	10	965-227	963-127
FOB 3K-3LM	3	1	1	20	965-227	963-127
FOB 6K-3LM	6	2	2	40	965-228	963-128
FOB 10K-3LM	15	5	5	100	965-228	963-128

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

Note: Official verification is mandatory for commercial trade



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

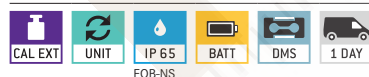
#### FOB-S

- Protective working cover, scope of delivery 5 items, KERN FOB-A12S05

#### FOB-NS

- Protective working cover, scope of delivery 5 items, KERN FOB-A11S05

#### STANDARD



FOB-NS

#### OPTION



Model 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 surface W×D	125×155 mm		120×150 mm	
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	
Option DAkkS Calibr. Certificate	963-127,		963-127,	





FOB



FOB-NL



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## Compact stainless steel balance with large weighing range

### Features

- KERN FOB: Innovative weighing with tolerance range: 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
- KERN 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
- 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

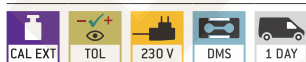
### FOB

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

### FOB-NL

- Protective working cover, scope of delivery: 5 items, KERN FOB-A13S05
- External mains adapter, KERN YKA-29

#### STANDARD



#### OPTION



#### STANDARD



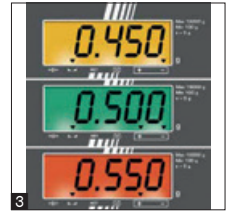
#### OPTION



Model KERN	FOB 1.5K0.5	FOB 3K1	FOB 6K2	FOB 3K-4NL	FOB 7K-4NL	FOB 10K-3NL	FOB 30K-3NL
<b>Weighing capacity [Max] kg</b>	1,5	3	6	3	5   7,5	8   15	16   30
<b>Readability [d] g</b>	0,5	1	2	0,2	0,5   1	1   2	2   5
<b>LCD display backlight, digit height</b>		yes, 20 mm		no, 25 mm		yes, 25 mm	
<b>Dimensions of weighing surface W×D</b>		175×165 mm			252×200 mm		
<b>Overall dimensions W×D×H</b>		235×175×55 mm	243×183×54 mm		285×255×90 mm		
<b>Power supply</b>		Power supply unit		Battery, 4×1.5 V AA, operating time up to 48 h			
<b>Net weight</b>	1,8 kg		2,0 kg		3,8 kg		
<b>Permissible ambient temperature</b>		5 °C – 35 °C			5 °C – 35 °C		
<b>Option DAkkS Calibr. Certificate</b>	963-127,	963-127,	963-128,	-	963-127,	963-128,	963-128,

\*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
- **3** Innovative weighing with tolerance range: 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 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, WxD 263x203 mm
- Overall dimensions WxDxH 286x316x126,5 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
- Internal rechargeable battery pack, operating time up to 50 h without backlight, charging time approx. 12 h, KERN WTB-A01N
- **4** Tare pan made from stainless steel, ideal for weighing loose small parts as well as fruits, vegetables, etc., overall dimensions WxDxH 400x300x45 mm, KERN RFS-A02

STANDARD						OPTION		FACTORY	
								+3 DAYS	

Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Options	
					Verification 	DAKKS Calibr. Certificate KERN
KERN						
WTB 1K-4N	1,5	0,2	-	-	-	963-127
WTB 3K-4N	3	0,5	-	-	-	963-127
WTB 6K-3N	6	1	-	-	-	963-128
WTB 10K-3N	15	2	-	-	-	963-128
WTB 30K-3N	30	5	-	-	-	963-128

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

WTB 1K-4NM	1,5	0,5	0,5	10	965-227	963-127
WTB 3K-3NM	3	1	1	20	965-227	963-127
WTB 6K-3NM	6	2	2	40	965-228	963-128
WTB 10K-3NM	15	5	5	100	965-228	963-128
WTB 30K-2NM	30	10	10	200	965-228	963-128



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## 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)
- 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, WxD 233x193 mm
- Overall dimensions WxDxH 243x300x127 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 WxDxH 400x300x45 mm, KERN RFS-A02

STANDARD

CAL EXT UNIT IP 65 ACCU MULTI DMS 1 DAY

OPTION

DAkkS +3 DAYS

FACTORY

M +3 DAYS FFN-M

Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Options	
					Verification M KERN	DAkkS Calibr. Certificate DAKKS KERN
KERN						
FFN 1K-4N	1,5	0,2	-	-	-	963-127
FFN 3K0.5IPN	3	0,5	-	-	-	963-127
FFN 6K1IPN	6	1	-	-	-	963-128
FFN 15K2IPN	15	2	-	-	-	963-128
FFN 25K5IPN	25	5	-	-	-	963-128

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

FFN 1K-4NM	1,5	0,5	0,5	10	965-227	963-127
FFN 3K1IPM	3	1	1	20	965-227	963-127
FFN 6K2IPM	6	2	2	40	965-228	963-128
FFN 15K5IPM	15	5	5	100	965-228	963-128
FFN 25K10IPM	25	10	10	200	965-228	963-128



## 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
- **1** Dust and splash water protection type IP68. Therefore very robust and durable. Ideal for rough environmental conditions
- Very fast display: steady weight values within 2 s
- Thanks to battery operation, compact, light-weight construction, it is suitable for the use in several locations (kitchens, sales offices, cafeterias, food industry laboratories, etc.)

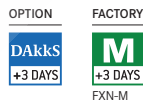
- **2** Recessed grips on the underside of the scale for easy transportation
- Weighing with tolerance range: a visual and audible signal helps with portioning, dispensing or grading

### Technical data

- Large backlit LCD display, digit height 25 mm
- Dimensions weighing surface, stainless steel, WxD 236x195 mm
- Ready for use: Batteries standard, 4x1.5 V Size D, operating time approx. 200 h. AUTO-OFF function to preserve the battery
- Net weight approx. 3,2 kg
- Permissible ambient temperature -10 °C/40 °C

### Accessories

- **3** Tare pan made from stainless steel, ideal for weighing loose small parts as well as fruits, vegetables, etc., overall dimensions WxDxH 400x300x45 mm, KERN RFS-A02



Note: Official verification is mandatory for commercial trade

Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight (Normal) g/piece	Options	
						Verification	DAkKS Calibr. Certificate
KERN						M KERN	DAkKS KERN
FXN 3K-4N	3	0,5	-	-	5	-	963-127
FXN 6K-3N	6	1	-	-	10	-	963-128
FXN 10K-3N	15	2	-	-	20	-	963-128
FXN 30K-3N	30	5	-	-	50	-	963-128

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

FXN 3K-3M	3	1	1	20	5	965-227	963-127
FXN 6K-3M	6	2	2	40	10	965-228	963-128
FXN 10K-3M	15	5	5	100	20	965-228	963-128
FXN 30K-2M	30	10	10	200	50	965-228	963-128

**1** ONLY WHILE STOCKS LAST





7



## Interlinked for industry of the future: Stainless steel platform scale with up to four data interfaces and optional alibi memory, 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
- 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
- KERN Communication Protocol (KCP): The KCP permits searching and remote control of the balance using external control devices or computers
- 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 platform dimensions W×D×H, stainless steel
  - A** 300×240×107 mm
  - B** 400×300×111 mm
  - C** 400×300×123 mm
  - D** 500×400×120 mm
  - E** 500×400×126 mm
  - F** 650×500×139 mm
- Dimensions of display device W×D×H 232×150×80 mm
- Cable length of display device approx. 3 m
- Permissible ambient temperature -10 °C/40 °C





**Accessories**

- Internal rechargeable battery pack, operating time up to 48 h without backlight, charging time approx. 8 h, KERN YKR-01
- Stand to be screwed onto the platform  
Height of stand approx. 330 mm, KERN SXC-A01  
**F** Height of stand approx. 600 mm, KERN SFB-A01
- Internal data interface RS-232, interface cable included, KERN KUM-01
- Internal data interface USB, interface cable included, KERN KUM-03
- Internal data interface Ethernet, interface cable included, KERN KUM-04
- Internal data interface WiFi, KERN KUM-05

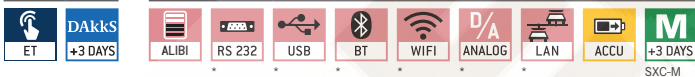
- Internal data interface Bluetooth, KERN KUM-06
- Analogue module, KERN KUM-08
- Memory module with real time clock (alibi memory), KERN YMM-06
- ESD drain to protect against electrostatic discharge e.g. for electrostatically-charged weighing objects or people who work with the scale, KERN YGR-01
- Signal lamp for visual support of weighing with tolerance range (only in combination with Data interface RS-232 KERN YKUM-01), KERN CFS-A03
- Roller conveyor attachment, with smooth-running, hot-dip galvanised steel rollers with ball bearings, robust aluminium profile frame for models with weighing plate size

- B, C** KERN YRO-01
- D, E** KERN YRO-02
- F** KERN YRO-03
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION FACTORY



\*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	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate	Options	
							Verification	DAkkS Calibr. Certificate
KERN							MID KERN	DAKKS KERN
SXC 6K-4	6	0,5	-	-	6	A	-	963-128
SXC 10K-3	15	1	-	-	7	A	-	963-128
SXC 10K-3L	15	1	-	-	12	B	-	963-128
SXC 30K-3	30	2	-	-	12	B	-	963-128
SXC 30K-3L	30	2	-	-	22	D	-	963-128
SXC 60K-3	60	5	-	-	12	C	-	963-129
SXC 60K-3L	60	5	-	-	22	E	-	963-129
SXC 100K-2	150	10	-	-	12	E	-	963-129
SXC 100K-2L	150	10	-	-	20	F	-	963-129
SXC 300K-2	300	20	-	-	20	F	-	963-129

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

SXC 6K-3M	3   6	1   2	1   2	20   40	7	A	965-228	963-128
SXC 10K-3M	6   15	2   5	2   5	40   100	7	A	965-228	963-128
SXC 10K-3LM	6   15	2   5	2   5	40   100	8	B	965-228	963-128
SXC 30K-3M	15   30	5   10	5   10	100   200	11	B	965-228	963-128
SXC 30K-3LM	15   30	5   10	5   10	100   200	12	D	965-228	963-128
SXC 60K-2M	30   60	10   20	10   20	200   400	11	C	965-229	963-129
SXC 60K-2LM	30   60	10   20	10   20	200   400	12	E	965-229	963-129
SXC 100K-2M	60   150	20   50	20   50	400   1000	12	E	965-229	963-129
SXC 100K-2LM	60   150	20   50	20   50	400   1000	20	F	965-229	963-129
SXC 300K-2M	150   300	50   100	50   100	1000   2000	20	F	965-229	963-129

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



7



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

### Features

- Ideal for the robust industrial applications
- Display device: stainless steel, protection against dust and water splashes IP65, (only when using rechargeable battery pack)
- Platform: made entirely of stainless steel, silicone-coated Stainless Steel load cell, protection against dust and water splashes IP67
- **1** 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 WxDxH 266x165x96 mm
- Weighing platform dimensions WxDxH, stainless steel
  - A** 300x240x107 mm **B** 400x300x111 mm
  - C** 500x400x120 mm **D** 650x500x139 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

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

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

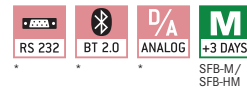
### STANDARD



### OPTION



### FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Weighing plate	Net weight approx. kg	Options	
							Verification	DAkkS Calibr. Certificate
<b>KERN</b>							<b>M</b> KERN	<b>DAkkS</b> KERN
<b>SFB 50K-3XL</b>	50	5	-	-	<b>C</b>	14	-	963-128
<b>SFB 100K-2XL</b>	100	10	-	-	<b>D</b>	24	-	963-129
<b>3</b> With elevated display								
<b>SFB 10K1HIP</b>	10	1	-	-	<b>A</b>	8	-	963-128
<b>SFB 20K2HIP</b>	20	2	-	-	<b>A</b>	8	-	963-128
<b>SFB 50K5HIP</b>	50	5	-	-	<b>A</b>	8	-	963-128
<b>SFB 50K5LHIP</b>	50	5	-	-	<b>B</b>	10	-	963-128
<b>SFB 100K10HIP</b>	100	10	-	-	<b>B</b>	10	-	963-129
Note: For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order. The initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification.								
<b>SFB 60K-2XLM</b>	60	20	20	400	<b>C</b>	14	965-229	963-129
<b>SFB 100K-2LM</b>	150	50	50	1000	<b>C</b>	14	965-229	963-129
<b>SFB 100K-2XLM</b>	150	50	50	1000	<b>D</b>	24	965-229	963-129
<b>3</b> With elevated display								
<b>SFB 15K5HIPM</b>	15	5	5	100	<b>A</b>	8	965-228	963-128
<b>SFB 30K10HIPM</b>	30	10	10	200	<b>A</b>	8	965-228	963-128
<b>SFB 60K20LHIPM</b>	60	20	20	400	<b>B</b>	10	965-229	963-129
<b>SFB 100K-2HM</b>	150	50	50	1000	<b>B</b>	10	965-229	963-129