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
IP 65	6	Dustproof	5	Protection against jets of water (nozzle) from any angle (cleaning with a damp cloth)
IP 66	6	Dustproof	6	Protection against powerful jets of water
IP 67	6	Dustproof	7	Protection against temporary immersion
IP 68	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)

Readability [d] g	Weighing capacity [Max] kg	Model KERN	Page	DAYS	M	CAL EXT	RS 232	TOL	IP 65	IP 67	IP 68	BATT	ACCU
						For an explanation on the pictos, see the front flap							
0,1	0,5	FOB 0.5K-4NS	71	1		●			●			●	
0,1	0,5	FOB 500-1S	71	1		●						●	
0,1	3	FCF 3K-4	69	1		●						●	○
0,2	1,5	WTB 1K-4N	73	1		●		●	●				○
0,2	1,5	FFN 1K-4N	74	1		●			●				●
0,2	3	FOB 3K-4NL	72	1		●				●		●	
0,5	1,5	FOB 1.5K0.5	72	1		●		●					○
0,5	1,5	WTB 1K-4NM	73	1	○	●		●	●				○
0,5	1,5	FOB 1K-4LM	70	1	○	●		●	●			●	
0,5	1,5	FFN 1K-4NM	74	1	○	●			●				●
0,5	3	WTB 3K-4N	73	1		●		●	●				○
0,5	3	FFN 3K0.5IPN	74	1		●			●				●
0,5	3	FXN 3K-4N	75	1		●		●			●	●	
0,5	6	SXC 6K-4	76	1		●	○	●			●		○
0,5 | 1	5 | 7,5	FOB 7K-4NL	72	1		●				●		●	
1	3	FOB 3K1	72	1		●		●					○
1	3	WTB 3K-3NM	73	1	○	●		●	●				○
1	3	FOB 3K-3LM	70	1	○	●		●	●			●	
1	3	FFN 3K1IPM	74	1	○	●			●				●
1	3	FXN 3K-3M	75	1	○	●		●			●	●	
1	5	FOB 5K-3NS	71	1		●			●			●	
1	5	FGE 5K-3S05	68	1		●						●	
1	5	FOB 5K1S	71	1		●						●	
1	6	WTB 6K-3N	73	1		●		●	●				○
1	6	FFN 6K1IPN	74	1		●			●				●
1	6	FXN 6K-3N	75	1		●		●			●	●	
1	10	SFB 10K1HIP	78	1		●	○	●	●	●			●
1	15	SXC 10K-3	76	1		●	○	●			●		○
1	15	SXC 10K-3L	76	1		●	○	●			●		○
1	15	FGE 10K-3S05	68	1		●						●	
1	30	FCF 30K-3	69	1		●						●	○
1 | 2	3 | 6	SXC 6K-3M	76	1	○	●	○	●			●		○
1 | 2	8 | 15	FOB 10K-3NL	72	1		●				●		●	
2	6	FOB 6K2	72	1		●		●					○
2	6	WTB 6K-3NM	73	1	○	●		●	●				○
2	6	FOB 6K-3LM	70	1	○	●		●	●			●	
2	6	FFN 6K2IPM	74	1	○	●			●				●
2	6	FXN 6K-3M	75	1	○	●		●			●	●	
2	15	WTB 10K-3N	73	1		●		●	●				○
2	15	FFN 15K2IPN	74	1		●			●				●
2	15	FXN 10K-3N	75	1		●		●			●	●	
2	20	SFB 20K2HIP	78	1		●	○	●	●	●			●
2 | 5	6 | 15	SXC 10K-3M	76	1	○	●	○	●			●		○
2 | 5	6 | 15	SXC 10K-3LM	76	1	○	●	○	●			●		○
2 | 5	16 | 30	FOB 30K-3NL	72	1		●				●		●	
2	30	SXC 30K-3L	76	1		●	○	●			●		○
2	30	SXC 30K-3	76	1		●	○	●			●		○
5	15	WTB 10K-3NM	73	1	○	●		●	●				○
5	15	FOB 10K-3LM	70	1	○	●		●	●			●	
5	15	FFN 15K5IPM	74	1	○	●			●				●
5	15	FXN 10K-3M	75	1	○	●		●			●	●	
5	15	SFB 15K5HIPM	78	1	○	●	○	●	●	●			●
5	25	FFN 25K5IPN	74	1		●			●				●
5	30	WTB 30K-3N	73	1		●		●	●				○
5	30	FXN 30K-3N	75	1		●		●			●	●	
5	50	SFB 50K-3XL	78	1		●	○	●	●	●			●
5	50	SFB 50K5LHIP	78	1		●	○	●	●	●			●
5	50	SFB 50K5HIP	78	1		●	○	●	●	●			●
5	60	SXC 60K-3L	76	1		●	○	●			●		○
5	60	SXC 60K-3	76	1		●	○	●			●		○
5 | 10	15 | 30	SXC 30K-3M	76	1	○	●	○	●			●		○
5 | 10	15 | 30	SXC 30K-3LM	76	1	○	●	○	●			●		○
10	25	FFN 25K10IPM	74	1	○	●			●				●
10	30	WTB 30K-2NM	73	1	○	●		●	●				○
10	30	FXN 30K-2M	75	1	○	●		●			●	●	
10	30	SFB 30K10HIPM	78	1	○	●	○	●	●	●			●
10	100	SFB 100K-2XL	78	1	●	●	○	●	●	●			●
10	100	SFB 100K10HIP	78	1		●	○	●	●	●			●
10	150	SXC 100K-2	76	1		●	○	●			●		○
10	150	SXC 100K-2L	76	1		●	○	●			●		○

☐ News 2024   ● Standard ○ Option

7

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

Readability [d] g	Weighing capacity [Max] kg	Model KERN	Page	DAYS	M	CAL EXT	RS 232	TOL	IP 65	IP 67	IP 68	BATT	ACCU
10 | 20	30 | 60	**SXC 60K-2M**	76	1	○	●	○	●				●	○
10 | 20	30 | 60	**SXC 60K-2LM**	76	1	○	●	○	●				●	○
20	60	**SFB 60K-2XLM**	78	1	○	●	○	●	●	●			●
20	60	**SFB 60K20LHIPM**	78	1	○	●	○	●	●	●			●
20 | 50	60 | 150	**SXC 100K-2M**	76	1	○	●	○	●				●	○
20 | 50	60 | 150	**SXC 100K-2LM**	76	1	○	●	○	●				●	○
20	300	**SXC 300K-2**	76	1	●		○	●				●	○
50	150	**SFB 100K-2LM**	78	1	○	●	○	●	●	●			●
50	150	**SFB 100K-2XLM**	78	1	○	●	○	●	●	●			●
50	150	**SFB 100K-2HM**	78	1	○	●	○	●	●	●			●
50 | 100	150 | 300	**SXC 300K-2M**	76	1	○	●	○	●				●	○

☐ News 2024   ● Standard ○ Option

For an explanation on the pictos, see the front flap

1 FGE 5K-3S05

2 FGE 10K-3S05

Precise design kitchen scale for kitchen, cafetaria, gastronomy

7

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
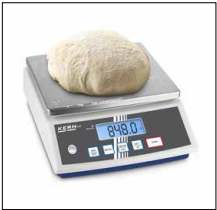
STANDARD

CAL EXT | UNIT | BATT | DMS | 1 DAY

OPTION

DAkkS +3 DAYS

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

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
- 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
- Internal rechargeable battery pack, operating time up to 120 h without backlight, charging time approx. 16 h, KERN GAB-A04

STANDARD

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

OPTION

ACCU	DAkkS +3 DAYS

Model KERN	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

7

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
- **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

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	Options	
					Verification M▥	**DAkkS Calibr. Certificate** DAkkS
	[Max]	[d]	[e]	[Min]		
KERN	kg	g	g	g	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.

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

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, €				
Option DAkkS Calibr. Certificate	963-127		963-127	

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

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 | |
CAL EXT | TOL | 230 V | DMS | 1 DAY | ACCU | DAkkS +3 DAYS

STANDARD | | | | | | OPTION | |
CAL EXT | UNIT | IP 67 | BATT | DMS | 1 DAY | 230 V | DAkkS +3 DAYS

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, €							
Option DAkkS Calibr. Certificate	963-127	963-127	963-128	963-127	963-128	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, 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
- 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 W×D×H 400×300×45 mm, KERN RFS-A02

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	Verification	Options DAkkS Calibr. Certificate
	[Max]	[d]	[e]	[Min]	M‖‖‖	DAkkS
KERN	kg	g	g	g	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.

Model	Weighing capacity	Readability	Verification value	Minimal load	Verification	DAkkS Calibr. Certificate
WTB 3K-3NM	3	1	1	20	965-227	963-127
WTB 1K-4NM	1,5	0,5	0,5	10	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

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

7

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

STANDARD — CAL EXT | UNIT | IP 65 **3** | ACCU | MULTI | DMS | 1 DAY OPTION — DAkkS +3 DAYS FACTORY — M +3 DAYS FFN-M

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Verification	Options DAkkS Calibr. Certificate DAkkS
KERN	kg	g	g	g	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
- 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

Note: Official verification is mandatory for commercial trade

STANDARD								OPTION	FACTORY
CAL EXT	PCS	UNIT	TOL ❶	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	Verification KERN	Options DAkkS Calibr. Certificate 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 10K-3M	15	5	5	100	20	965-228	963-128
FXN 6K-3M	6	2	2	40	10	965-228	963-128
FXN 30K-2M	30	10	10	200	50	965-228	963-128

NEW

IoT ready

Easy Touch

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
- Stand to be screwed onto the platform Height of stand approx. 330 mm, KERN SXC-A01
  1 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 KUM-01), KERN CFS-A03
- 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
  D KERN YRO-02
  E KERN YRO-03
- 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	Weighing capacity [Max]	Read-ability [d]	Verification value [e]	Minimal load [Min]	Net weight approx.	Weighing plate	Verification M(III)	Options DAkkS Calibr. Certificate DAkkS
KERN	kg	g	g	g	kg		KERN	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	C	-	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	D	-	963-129
SXC 100K-2	150	10	-	-	24	D	-	963-129
SXC 100K-2L	150	10	-	-	34	E	-	963-129
SXC 300K-2	300	20	-	-	36	E	-	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

Model	Weighing capacity [Max]	Read-ability [d]	Verification value [e]	Minimal load [Min]	Net weight approx.	Weighing plate	Verification M(III)	Options DAkkS Calibr. Certificate DAkkS
SXC 6K-3M	3 | 6	1 | 2	1 | 2	20 | 40	6	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	12	B	965-228	963-128
SXC 30K-3M	15 | 30	5 | 10	5 | 10	100 | 200	12	C	965-228	963-128
SXC 30K-3LM	15 | 30	5 | 10	5 | 10	100 | 200	22	D	965-228	963-128
SXC 60K-2M	30 | 60	10 | 20	10 | 20	200 | 400	12	C	965-229	963-129
SXC 60K-2LM	30 | 60	10 | 20	10 | 20	200 | 400	22	D	965-229	963-129
SXC 100K-2M	60 | 150	20 | 50	20 | 50	400 | 1000	24	D	965-229	963-129
SXC 100K-2LM	60 | 150	20 | 50	20 | 50	400 | 1000	34	E	965-229	963-129
SXC 300K-2M	150 | 300	50 | 100	50 | 100	1000 | 2000	36	E	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.

NEW **New model**

Food (Kitchen/Stainless Steel/IP65...68 Protection)

Accessories

- ④ 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*

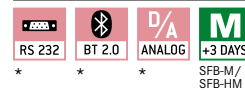Please note: only one optional interface can be fitted for each device

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
  Ⓐ Height of stand approx. 200 mm
  Ⓑ 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
  Ⓐ 300×240×104 mm Ⓑ 400×300×115 mm
  Ⓒ 500×400×117 mm Ⓓ 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

STANDARD											OPTION	FACTORY			
CAL EXT	KCP PROTOCOL	GLP PRINTER	PCS	SUM	TOL	IP 65	IP 67	ACCU	MULTI	DMS	1 DAY	DAkkS +3 DAYS	RS 232	BT 2.0	ANALOG	M +3 DAYS
						①	②						*	*	*	SFB-M/ SFB-HM

Model	Weighing capacity [Max]	Read-ability [d]	Verification value [e]	Minimal load [Min]	Weighing plate	Net weight approx.	Verification ⊞ KERN	DAkkS Calibr. Certificate DAkkS KERN
KERN	kg	g	g	g		kg		
SFB 50K-3XL	50	5	-	-	Ⓒ	14	-	963-128
SFB 100K-2XL	100	10	-	-	Ⓓ	24	-	963-129
③ with elevated display								
SFB 10K1HIP	10	1	-	-	Ⓐ	8	-	963-128
SFB 20K2HIP	20	2	-	-	Ⓐ	8	-	963-128
SFB 50K5HIP	50	5	-	-	Ⓐ	8	-	963-128
SFB 50K5LHIP	50	5	-	-	Ⓑ	10	-	963-128
SFB 100K10HIP	100	10	-	-	Ⓑ	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.

Model	Weighing capacity [Max] kg	Read-ability [d] g	Verification value [e] g	Minimal load [Min] g	Weighing plate	Net weight approx. kg	Verification KERN	DAkkS KERN
SFB 60K-2XLM	60	20	20	400	Ⓒ	14	965-229	963-129
SFB 100K-2LM	150	50	50	1000	Ⓒ	14	965-229	963-129
SFB 100K-2XLM	150	50	50	1000	Ⓓ	24	965-229	963-129
③ with elevated display								
SFB 100K-2HM	150	50	50	1000	Ⓑ	10	965-229	963-129
SFB 15K5HIPM	15	5	5	100	Ⓐ	8	965-228	963-128
SFB 30K10HIPM	30	10	10	200	Ⓐ	8	965-228	963-128
SFB 60K20LHIPM	60	20	20	400	Ⓑ	10	965-229	963-129