



Please note:
New prices - valid from
July 1, 2022
see: www.kern-sohn.com

KERN®

Food

(kitchen/stainless steel/
IP65...68 protection)



2022



PROFESSIONAL MEASURING

KERN Pictograms

 Internal adjusting: Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)	 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	 Battery operation: Ready for battery operation. The battery type is specified for each device
 Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required		 Rechargeable battery pack: Rechargeable set
 Easy Touch: Suitable for the connection, data transmission and control through PC or tablet. For details see page 123	 GLP/ISO log: The balance displays serial number, user ID, weight, date and time, regardless of a printer connection	 Universal plug-in power supply: with universal input and optional input socket adapters for A) EU, CH, GB B) EU, CH, GB, USA C) EU, CH, GB, USA, AUS
 Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.	 GLP/ISO log: With weight, date and time. Only with KERN printers, see page 163–165	 Plug-in power supply: Integrated in balance. 230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available
 Alibi memory: Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard. For details see page 215	 Piece counting: Reference quantities selectable. Display can be switched from piece to weight	 Integrated power supply unit: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request
 Data interface RS-232: To connect the balance to a printer, PC or network	 Recipe level A: The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out	 Weighing principle: Strain gauges Electrical resistor on an elastic deforming body
 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	 Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display	 Weighing principle: Tuning fork A resonating body is electromagnetically excited, causing it to oscillate
 USB data interface: To connect the balance to a printer, PC or other peripherals	 Totalising level A: The weights of similar items can be added together and the total can be printed out	 Weighing principle: Electromagnetic force compensation Coil inside a permanent magnet. For the most accurate weighings
 Bluetooth* data interface: To transfer data from the balance to a printer, PC or other peripherals	 Percentage determination: Determining the deviation in % from the target value (100 %)	 Weighing principle: Single cell technology: Advanced version of the force compensation principle with the highest level of precision
 WiFi data interface: To transfer data from the balance to a printer, PC or other peripherals	 Weighing units: Can be switched to e.g. nonmetric units. See balance model. Please refer to KERN's website for more details	 Verification possible: The time required for verification is specified in the pictogram
 Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.	 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	 DAKkS calibration possible (DKD): The time required for DAKkS calibration is shown in days in the pictogram
 Analogue interface: to connect a suitable peripheral device for analogue processing of the measurements	 Hold function: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value	 Factory calibration (ISO): The time required for Factory calibration is shown in days in the pictogram
 Interface for second balance: For direct connection of a second balance	 Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram. For details see page 53	 Package shipment: The time required for internal shipping preparations is shown in days in the pictogram
 Network interface: For connecting the scale to an Ethernet network	 Suspended weighing: Load support with hook on the underside of the balance	 Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram

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KERN – Measuring technology and testing services from a single source



Balances & Test service catalogue

Provides a complete overview of the KERN line of balances, test weights, and services such as verification, calibration, etc.



Medical scales catalogue

Complete line of medical scales, from infant scales to patient scales, chair scales and adiposity scales, as well as hand grip dynamometers, chemist's balances and veterinary scales.



Microscopes & refractometers catalogue

Extensive range in the area of optical instruments, such as, biological microscopes, stereo microscopes, metallurgical microscopes, polarisation microscopes as well as analogue and digital refractometers.



SAUTER measuring equipment catalogue

Test instruments for industry and commerce, such as force, coating thickness, material thickness and calibration service.



DakKS calibration service brochure

Detailed information on topics pertaining to the calibration and verification of balances, test weights, and force measuring devices.

Your advantages

fast

- 24 hours delivery service for products in stock – ordered today, on its way tomorrow
- Sales & service hotline available from 8:00 am to 6:00 pm

reliable

- Up to 3 years warranty
- Precision in weighing technology for more than 175 years

competent

- DAkkS accreditation DIN EN ISO/IEC 17025
- Certified QM system DIN EN ISO 9001
- Authorisation for initial verification by the manufacturer 2014/31/EU
- Medical certifications DIN EN ISO 13485 and 93/42/EWG

versatile

- One-stop shopping: from pocket balances through to 12 t crane balance – everything from one supplier
- Find the product you want at lightning speed with the “Balance Quick-Finder” at www.kern-sohn.com



Order hotline
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Online Shop
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Service hotline
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E-mail order
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Fax order
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Our team of consultants will assist you
from Monday to Friday
from 8:00 am to 6:00 pm



www.kern-sohn.com

Information on current product availability, product data sheets, user instructions, useful knowledge, technical glossary, images and much for you to download, practical topic areas, which will guide you to the right product in your industry as well as a clever test weight and balance search engine.



KERN FGE 10K-3S05 Page 55

- > Weighing plate made of safety glass
- > For easy and hygienic cleaning
- > Low overall height for secure footing and space-saving storage

Food (kitchen/stainless steel/IP65...68 protection)

KERN scales – not scared of water at all!

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 chemical, pharmaceutical, food, manufacturing industries, etc. scales must be able to cope with these stresses without this affecting their performance.

For use in such harsh environmental conditions, levels of protection are defined, which specify which environmental stresses 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 on page 215–217*

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)

Readability	Weighing capacity	Model	Page									
[d] g	[Max] kg	KERN										
For an explanation on the pictos, see front flap												
0,1	0,5	FOB 500-1S	58	1								
0,1	0,5	FOB 0.5K-4NS	58	1								
0,1	3	FCF 3K-4	56	1								
0,2	1,5	WTB 1K-4N	60	1								
0,2	1,5	FFN 1K-4N	61	1								
0,2	3	FOB 3K-4NL	59	1								
0,5	1,5	FOB 1K-4LM	57	1								
0,5	1,5	FOB 1.5K0.5	59	1								
0,5	1,5	WTB 1K-4NM	60	1								
0,5	1,5	FFN 1K-4NM	61	1								
0,5	3	WTB 3K-4N	60	1								
0,5	3	FFN 3K0.5IPN	61	1								
0,5	3	FXN 3K-4N	62	1								
0,5 1	5 7,5	FOB 7K-4NL	59	1								
0,5	6	SXS 6K-3	64	1								
1	3	FOB 3K-3LM	57	1								
1	3	FOB 3K1	59	1								
1	3	WTB 3K-3NM	60	1								
1	3	FFN 3K1IPM	61	1								
1	3	FXN 3K-3M	62	1								
1	5	FGE 5K-3S05	55	1								
1	5	FOB 5K1S	58	1								
1	5	FOB 5K-3NS	58	1								
1	6	WTB 6K-3N	60	1								
1	6	FFN 6K1IPN	61	1								
1	6	FXN 6K-3N	62	1								
1	10	SFB 10K1HIP	63	1								
1	15	FGE 10K-3S05	55	1								
1	15	SXS 10K-3	64	1								
1	15	SXS 10K-3L	64	1								
1	30	FCF 30K-3	56	1								
1 2	3 6	SXS 6K-3M	64	1								
1 2	8 15	FOB 10K-3NL	59	1								
2	6	FOB 6K-3LM	57	1								
2	6	FOB 6K2	59	1								
2	6	WTB 6K-3NM	60	1								
2	6	FFN 6K2IPM	61	1								
2	6	FXN 6K-3M	62	1								
2	15	WTB 10K-3N	60	1								
2	15	FFN 15K2IPN	61	1								
2	15	FXN 10K-3N	62	1								
2	20	SFB 20K2HIP	63	1								
2	30	SXS 30K-2	64	1								
2	30	SXS 30K-2L	64	1								
2 5	6 15	SXS 10K-3M	64	1								
2 5	6 15	SXS 10K-3LM	64	1								
2 5	16 30	FOB 30K-3NL	59	1								
5	15	FOB 10K-3LM	57	1								
5	15	WTB 10K-3NM	60	1								
5	15	FFN 15K5IPM	61	1								
5	15	FXN 10K-3M	62	1								
5	25	SFB 15K5HIPM	63	1								
5	30	WTB 30K-3N	60	1								
5	30	FXN 30K-3N	62	1								
5	50	SFB 50K-3XL	63	1								
5	50	SFB 50K5HIP	63	1								
5	50	SFB 50K5LHIP	63	1								
5	60	SXS 60K-2	64	1								
5	60	SXS 60K-2L	64	1								
5 10	15 30	SXS 30K-2M	64	1								
5 10	15 30	SXS 30K-2LM	64	1								
10	25	FFN 25K10IPM	61	1								
10	30	WTB 30K-2NM	60	1								
10	30	FXN 30K-2M	62	1								
10	30	SFB 30K10HIPM	63	1								
10	100	SFB 100K10HIP	63	1								
10	100	SFB 100K-2XL	63	1								
10	150	SXS 100K-2	64	1								
10	150	SXS 100K-2L	64	2**								
10 20	30 60	SXS 60K-2M	64	1								
10 20	30 60	SXS 60K-2LM	64	1								
20	60	SFB 60K-2XLM	63	1								
20	60	SFB 60K20LHIPM	63	1								
20	300	SXS 300K-2	64	2**								
20 50	60 150	SXS 100K-2M	64	1								
20 50	60 150	SXS 100K-2LM	64	2**								
50	150	SFB 100K-2HM	63	1								
50	150	SFB 100K-2LM	63	1								
50	150	SFB 100K-2XLM	63	1								
50 100	150 300	SXS 300K-2M	64	2**								



1 FGE 5K-3S05

2 FGE 10K-3S05

The price breaker!
Most economical kitchen scale in the KERN assortment

Precise design kitchen scale for kitchen, cafeteria, gastronomy

Features

- FGE 10K-3S05: Weighing plate made out of safety glass
- hygienic and easy to clean
- Low overall height for secure footing and space-saving storage
- Secure and non-slip positioning through rubber feet
- Very easy to use
FGE 5K-3S05: 2 Buttons
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
- 3 Large high-contrast display that is easy to read

Technical data

- 1 FGE 5K-3S05
 - Large backlit LCD display, digit height 18 mm
 - Overall dimensions W×D×H 152×230×15 mm
 - Dimensions of glass weighing plate W×D 152×230 mm
 - Ready for use: Batteries included, 2×CR2032
- 2 FGE 10K-3S05
 - Large backlit LED display, digit height 22 mm
 - Overall dimensions W×D×H 272×250×22 mm
 - Dimensions of glass weighing plate W×D 272×205 mm
 - Ready for use: Batteries included, 3×1,5 V AAA
- **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 price refers to one single balance

STANDARD

CAL EXT

UNIT

BATT

DMS

1 DAY

OPTION

DAkKS

+3 DAYS

Model	Weighing capacity	Readability	Option	
			DAkKS Calibr. Certificate	
			DAkKS KERN	
FGE 5K-3S05	5	1	963-127	
FGE 10K-3S05	15	1	963-128	



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

Features

- Simple and convenient 5-key operation
- Very fast display: steady weight values within 3 s
- Ideal as a
 - compact letter and parcel scale, especially in constricted spaces
 - grading or commissioning balance or simple checkweigher in production or dispatch
 - Checkweigher in the catering trade, cafeterias, school kitchens
- 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, 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

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] g/piece	Option	
						DAkks Calibr. Certificate	
KERN	[Max] kg	[d] g	g	g		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	



Compact stainless steel bench scale with EC type approval [M] and special checkweighing display for even more efficient working

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
- Stainless steel design of the housing and weighing plate. Its smooth surfaces make it simple to clean
- **2** Suitable for the ever-increasing hygienic requirements in the food industry
- 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.)
- Your support in a HACCP-compliant quality system
- Protection against dust and water splashes IP67 (only when using battery)

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

Technical data

- Large backlit LCD display, digit height 25 mm
- Overall dimensions W×D×H 256×285×100 mm
- KERN FOB-LM: Optional battery operation, 4×1.5 V AA, standard, operating time up to 48 h, AUTO-OFF function to preserve the battery
- Net weight 3,8 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **3** Protective working cover, scope of delivery: 5 items, KERN FOB-A13S05
- Mains adapter external, not included, can be reordered, KERN FOB-A01
- **4** Tare pan made from stainless steel, ideal for weighing loose small parts as well as fruit, vegetables, etc., KERN RFS-A02

STANDARD

CAL EXT

TOL

IP 67

BATT

230 V

DMS

1 DAY

OPTION

DAKKS

+3 DAYS

FACTORY

M

+3 DAYS

Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Weighing plate mm	Option			
						Verification		DAKKS Calibr. Certificate	
						KERN		DAKKS KERN	
KERN									
FOB 1K-4LM	1,5	0,5	0,5	10	248×198	965-227		963-127	
FOB 3K-3LM	3	1	1	20	248×198	965-227		963-127	
FOB 6K-3LM	6	2	2	40	248×198	965-228		963-128	
FOB 10K-3LM	15	5	5	100	248×198	965-228		963-128	

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.
Verification at the factory, we need to know the full address of the location of use.

Note: Official verification is mandatory for commercial trade.

07



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

	KERN FOB-S	KERN FOB-NS
Features	<ul style="list-style-type: none">• Stainless steel design of the housing and weighing plate. Its smooth surfaces make it simple 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 through rubber feet• Your support in a HACCP-compliant quality system• Particularly flat design• Protective working cover included with delivery	
		<ul style="list-style-type: none">• Protection against dust and water splashes IP65 (only when using battery)
Technical data	<ul style="list-style-type: none">• Large LCD display, digit height 20 mm• Permissible ambient temperature 10 °C/40 °C	
	<ul style="list-style-type: none">• Dimensions weighing surface, stainless steel, W×D 125×155 mm• Overall dimensions W×D×H 175×155×40 mm• Ready for use: Batteries included, 9 V block, operating time up to 20 h• Net weight approx. 0,70 kg	<ul style="list-style-type: none">• Dimensions weighing surface, stainless steel, W×D 150×120 mm• Overall dimensions W×D×H 170×150×40 mm• Ready for use: Batteries included, 9 V block, operating time up to 24 h• Net weight 0,80 kg
Accessories	<ul style="list-style-type: none">• Protective working cover, scope of delivery: 5 items, KERN FOB-A11S05• External mains adapter, KERN FOB-A09	<ul style="list-style-type: none">• Protective working cover, scope of delivery: 5 items, KERN FOB-A12S05

STANDARD

CAL EXT

UNIT

IP 65

BATT

DMS

1 DAY

OPTION

230 V

DAKKS

+3 DAYS

Model	Weighing capacity	Readability	Weighing plate W×D	Options	
				DAkKS Calibr. Certificate	
				DAKKS KERN	
KERN	[Max] kg	[d] g	mm		
FOB 500-1S	0,5	0,1	155×125	963-127	
FOB 5K1S	5	1	155×125	963-127	
FOB 0.5K-4NS	0,5	0,1	150×120	963-127	
FOB 5K-3NS	5	1	150×120	963-127	



Compact stainless steel bench (FOB) scale with special checkweighing display for even more efficient working

	KERN FOB	KERN FOB-NL
Features	<ul style="list-style-type: none">• Stainless steel design of the housing and weighing plate. Its smooth surfaces make it simple 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.)• Your support in a HACCP-compliant quality system• Protective working cover included with delivery	
	<ul style="list-style-type: none">• 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• Secure and non-slip positioning through rubber feet• Increased protection against humidity through waterproof silicone sealing of the load cell, electronics and soldering joints	<ul style="list-style-type: none">• Ideal for the increased hygienic requirements in the food industries• Protection against dust and water splashes IP67 (only when using battery)
Technical data	<ul style="list-style-type: none">• Large backlit LCD display, digit height 20 mm• Overall dimensions W×D×H 240×180×60 mm• Net weight approx. 2,0 kg	
	<ul style="list-style-type: none">• Large backlit LCD display, digit height 25 mm• Overall dimensions W×D×H 285×255×90 mm• Ready for use: Batteries included, 4×1.5 V AA, operating time up to 48 h• Net weight approx. 3,8 kg	
Accessories	<ul style="list-style-type: none">• Permissible ambient temperature 5 °C/35 °C	
	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Protective working cover, scope of delivery: 5 items, KERN FOB-A13S05• Mains adapter external, not included, KERN FOB-A01
	<ul style="list-style-type: none">• Tare pan made from stainless steel, Ideal for weighing loose small parts as well as fruit, vegetables, etc., KERN RFS-A02	

STANDARD

CAL EXT

TOL

230 V

DMS

1 DAY

OPTION

ACCU

DAKkS

+3 DAYS

STANDARD

CAL EXT

UNIT

IP 67

BATT

DMS

1 DAY

OPTION

230 V

DAKkS

+3 DAYS

Model	Weighing capacity	Readability	Weighing plate	Option	
				DAKkS Calibr. Certificate	
KERN	[Max] kg	[d] g	mm	DAKkS KERN	
FOB 1.5K0.5	1,5	0,5	175×165	963-127	
FOB 3K1	3	1	175×165	963-127	
FOB 6K2	6	2	175×165	963-128	
FOB 3K-4NL	3	0,2	252×200	963-127	
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]					
FOB 7K-4NL	5 7,5	0,5 1	252×200	963-128	
FOB 10K-3NL	8 15	1 2	252×200	963-128	
FOB 30K-3NL	16 30	2 5	252×200	963-128	



07 Ideal for food industry, thanks to its IP65 protection and special checkweighing display, now also with EC type approval [M]

Features

- Suitable for the ever-increasing hygienic requirements in the food industry
- 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 rear 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
- Weighing plate dimensions, stainless steel, WxD 260x200 mm
- Overall dimensions WxDxH 285x315x128 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 fruit, vegetables, etc 370x240x20 mm, KERN RFS-A02

STANDARD

CAL EXT

TOL

IP 65

MULTI

DMS

1 DAY

OPTION

ACCU

DAKKS

FACTORY

M

+3 DAYS

WTB-NM

Model	Weighing capacity	Readability	Verification value	Minimal load	Option			
					Verification		DAKkS Calibr. Certificate	
					KERN		DAKkS KERN	
KERN	[Max] kg	[d] g	[e] g	[Min] g				
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 applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.								
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	



All-round bench scale, protected by stainless steel and IP65 rating, also with EC type approval [M]

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 (kitchen, sales office, cafeteria, Food industry-Laboratory etc.)
- Stainless steel design of the housing and weighing plate. Its smooth surfaces make it simple 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 230×190 mm
- Overall dimensions W×D×H 230×300×130 mm
- Internal rechargeable battery pack, operating time up to 50 h without backlight, charging time approx. 12 h
- Net weight approx. 4,0 kg
- Permissible ambient temperature
KERN FFN-N: 0 °C/40 °C
KERN FFN-NM: -10 °C/40 °C

Accessories

- Tare pan made from stainless steel. Ideal for weighing loose small parts as well as fruit, vegetables, etc., KERN RFS-A02

STANDARD

CAL EXT

UNIT

IP 65

ACCU

MULTI

DMS

1 DAY

OPTION

DAKKS
+3 DAYS

FACTORY

M
+3 DAYS

Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Option			
					Verification		DAKKS Calibr. Certificate	
					M KERN		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 applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.								
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	



Robust, space-saving bench scale, protected by stainless steel and IP68 rating

Features

- Suitable for the ever-increasing hygienic requirements in the food industry
- Your support in a HACCP-compliant quality system
- Ideal for the robust industrial applications
- Very high class of protection against dust and water IP68, ideal for harsh ambient conditions. Submersion in water actually possible
- Particularly suitable to determine the specific weight of organs, tissues, etc. in Pathology or in the laboratory
- Stainless steel design of the housing and weighing plate. Its smooth surfaces make it simple to clean
- 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
- 1 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, (FXN-M: green) digit height 25 mm
- Dimensions weighing surface, stainless steel, W×D 236×195 mm
- Overall dimensions W×D×H 240×280×120 mm
- Ready for use: Batteries included, 4×1.5 V Size D, Operating time without backlight FXN-N up to 200 h, FXN-M 500 h, AUTO-OFF function to preserve the battery
- Net weight 3,2 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- 2 Tare pan made from stainless steel. Ideal for weighing loose small parts as well as fruit, vegetables, etc. W×D×H 370×240×20 mm, KERN RFS-A02

Note: Official verification is mandatory for commercial trade.

STANDARD

CAL EXT

PCS

UNIT

TOL

IP 68

BATT

DMS

1 DAY

OPTION

DAkKS

+3 DAYS

FACTORY

M

+3 DAYS

Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Smallest part weight [Normal] g/piece	Option			
						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 applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.									
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	



Stainless steel platform scales with IP65/67 protection, also with XL platform or EC type approval [M]

Features

- Ideal for the robust industrial applications
- **1** Platform: made entirely of stainless steel, silicone-coated Stainless Steel load cell, protection against dust and water splashes IP67
- **2** Display device: Stainless steel, protection against dust and water splashes IP65, (only when using rechargeable battery pack)
- **3** SFB-H: Column, standard, for models with weighing plate size
300×240 mm: Height of stand approx. 200 mm
400×300 mm: Height of stand approx. 400 mm

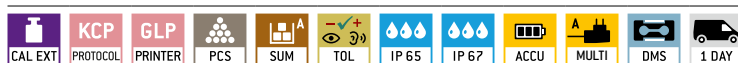
Technical data

- Large backlit LCD display, digit height 52 mm
- Dimensions of display device W×D×H 266×165×96 mm
- Cable length of display device approx. 3 m
- Internal rechargeable battery pack, operating time up to 35 h without backlight, charging time approx. 12 h
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Data interface RS-232, interface cable included, approx. 1,5 m, must be ordered at purchase, RS 232 data interface including interface cable, KERN KFN-A01
- Stand to be screwed onto the platform, height of stand approx. 600 mm, KERN SFB-A01
- **4** Stand to elevate display device, height of stand approx. 800 mm, KERN BFS-A07
- Bluetooth data interface for wireless data transfer to PC or tablets, must be ordered at purchase, not possible in combination with RS 232 data interface or verification, KERN KFB-A03
- Further details, plenty of further accessories and suitable printers see Accessories

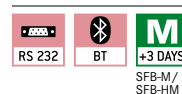
STANDARD



OPTION



FACTORY



Model	Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Net weight approx. kg	Weighing plate W×D	Option			
							Verification		DAKKS Calibr. Certificate	
							MUE KERN		DAKKS KERN	
KERN										
SFB 50K-3XL	50	5	-	-	14	500×400	-		963-128	
SFB 100K-2XL	100	10	-	-	24	650×500	-		963-129	
with elevated display										
SFB 10K1HIP	10	1	-	-	8	300×240	-		963-128	
SFB 20K2HIP	20	2	-	-	8	300×240	-		963-128	
SFB 50K5HIP	50	5	-	-	8	300×240	-		963-128	
SFB 50K5LHIP	50	5	-	-	10	400×300	-		963-128	
SFB 100K10HIP	100	10	-	-	10	400×300	-		963-129	
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.										
SFB 60K-2XLM	60	20	20	400	14	500×400	965-229		963-129	
SFB 100K-2LM	150	50	50	1000	14	500×400	965-229		963-129	
SFB 100K-2XLM	150	50	50	1000	24	650×500	965-229		963-129	
with elevated display										
SFB 15K5HIPM	15	5	5	100	8	300×240	965-228		963-128	
SFB 30K10HIPM	30	10	10	200	8	300×240	965-228		963-128	
SFB 60K20LHIPM	60	20	20	400	10	400×300	965-229		963-129	
SFB 100K-2HM	150	50	50	1000	10	400×300	965-229		963-129	



High-quality stainless steel platform scale with stainless steel IP68 display device – now also as high resolution version with high-resolution display



Piece counting



Recipe-weighing



Thanks to the stainless steel design of the evaluation unit and platform with smooth surface – the scale is rust-free and easy to clean



Features

- Ideal for the robust industrial applications
- **1** Platform: made entirely of stainless steel, hermetically welded stainless steel load cell, dust and spray protection to IP68. Substruction in wing design, extremely resistant to bending. Earthed weighing plate, to reduce static charge
- Display device: Stainless steel, protection against dust and water splashes IP68, integrated power supply
- Suitable for the ever-increasing hygienic requirements in the food industry
- Wall mount for display device, standard
- Superior display size: digit height 55 mm, bright backlight for easy reading of weighing results, even in poor lighting conditions
- Easy-to use KERN menu structure with printout of weighing results which can be intuitively adapted
- Thanks to interfaces such as RS-232, RS-485 and Bluetooth (optional) the scale can easily be connected to existing networks and facilitates the data exchange between the scale and printer

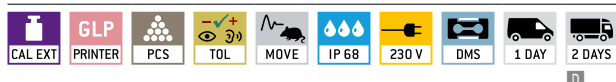
Technical data

- Large backlit LCD display, digit height 55 mm
- Weighing plate dimensions, stainless steel W×D×H
 - A** 300×240×86 mm, see larger picture
 - B** 400×300×89 mm
 - C** 500×400×123 mm
 - D** 650×500×133,5 mm
- Dimensions of display device W×D×H 232×170×80 mm
- Cable length of display device approx. 2,5 m

Accessories

- **2** Stand to elevate display device, for models with weighing plate size **A**–**D** Height of stand approx. 200 mm, KERN IXS-A02
- **B**–**D** Height of stand approx. 400 mm, KERN IXS-A03
- **C**–**D** Height of stand approx. 600 mm, KERN IXS-A04
- **3** Internal rechargeable battery pack, operating time up to 80 h without backlight, charging time approx. 12 h, must be ordered at purchase, KERN GAB-A04
- Data interface RS-232, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KXS-A04
- Data interface RS-485, must be ordered at purchase, KERN KXS-A01
- Foot switch, must be ordered at purchase, KERN KXS-A03
- Bluetooth data interface for wireless data transfer to PC or tablets, must be ordered at purchase, not in combination with verification, KERN KXS-A02
- Further details, plenty of further accessories and suitable printers see *accessories*

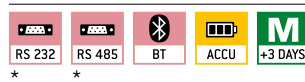
STANDARD


































OPTION



FACTORY



Model		Weighing capacity [Max] kg	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Option			
								Verification		DAkkS Calibr. Certificate	
								 KERN		DAkkS KERN	
KERN											
High resolution readability											
SXS 6K-3		6	0,5	–	–	± 1,5			–		963-128
SXS 10K-3		15	1	–	–	± 3			–		963-128
SXS 10K-3L		15	1	–	–	± 3			–		963-128
SXS 30K-2		30	2	–	–	± 6			–		963-128
SXS 30K-2L		30	2	–	–	± 6			–		963-128
SXS 60K-2		60	5	–	–	± 15			–		963-129
SXS 60K-2L		60	5	–	–	± 15			–		963-129
SXS 100K-2		150	10	–	–	± 30			–		963-129
SXS 100K-2L		150	10	–	–	± 30			–		963-129
SXS 300K-2		300	20	–	–	± 60			–		963-129
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]											
SXS 6K-3M		3 6	1 2	1 2	20 40	± 1 2			965-228		963-128
SXS 10K-3M		6 15	2 5	2 5	40 100	± 2 5			965-228		963-128
SXS 10K-3LM		6 15	2 5	2 5	40 100	± 2 5			965-228		963-128
SXS 30K-2M		15 30	5 10	5 10	100 200	± 5 10			965-228		963-128
SXS 30K-2LM		15 30	5 10	5 10	100 200	± 5 10			965-228		963-128
SXS 60K-2M		30 60	10 20	10 20	200 400	± 10 20			965-229		963-129
SXS 60K-2LM		30 60	10 20	10 20	200 400	± 10 20			965-229		963-129
SXS 100K-2M		60 150	20 50	20 50	400 1000	± 20 50			965-229		963-129
SXS 100K-2LM		60 150	20 50	20 50	400 1000	± 20 50			965-229		963-129
SXS 300K-2M		150 300	50 100	50 100	1000 2000	± 50 100			965-229		963-129

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.

Verification at the factory, we need to know the full address of the location of use.

NEW New model

* Either RS-232 or RS-485 can be installed and used

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