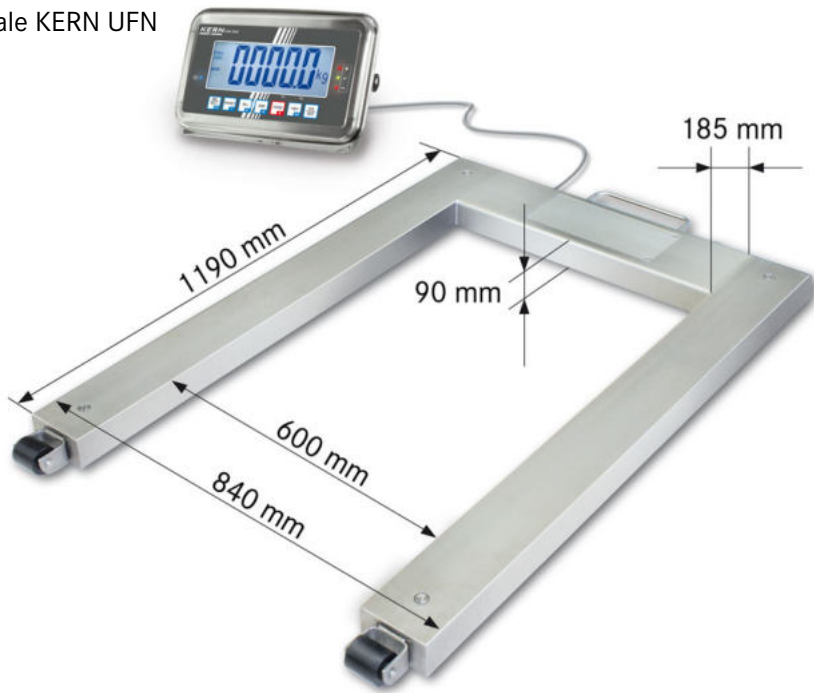


Pallet scale KERN UFN



Pallet scale with stainless steel load support (IP67) and stainless steel display device (IP65), with EC type approval [M]

Features

- **High mobility:** thanks to rechargeable battery operation, compact, lightweight construction, it is suitable for the use in several locations (production, warehouse, dispatch department etc.)
- **1 Load support:** stainless steel, extremely resistant to bending due to material thickness, 4 silicone-coated stainless steel load cells, protection against dust and water splashes IP67, weighing bridge can also be delivered as component without the display device, for details see KERN KFU-V30
- Your support in a **HACCP**-compliant quality system
- **Suitable for the ever-increasing hygienic requirements** in the food industry
- **2 Display device:** for details see KERN KFN-TM
- The scale can be easily transported using **rollers** and a **handle** and does not require much storage space
- **Hold function:** When the weighing conditions are unstable, a stable weight is calculated determining an average value

Weighing with tolerance range (check-weighing): A visual and audible signal assists the rapid checking of items on palettes

- **Totalising** of weights
- **Rechargeable battery pack internal** included with delivery
- **3 Did you know?** Our floor scales are delivered in a robust wooden box. This protects the high-quality weighing technology from environmental influences and stresses during transportation. KERN – always one step ahead

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. 5 m
- Net weight approx. 55 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- **4 Stand** to elevate display device, height of stand approx. 800 mm, KERN BFN-A04
- **Rechargeable battery pack internal**, operating time up to 35 h without backlight, charging time approx. 10 h, KERN GAB-A04
- **Data interface RS-232**, interface cable included, approx. 1,5 m, must be ordered at purchase, KERN KFN-A01
- **5 Large display with superior display size**, only in combination with data interface KFN-A1, KERN YKD-A02
- **Cable with special length** 15 m, between display device and platform, for verified models which must be ordered at the time of purchase, KERN BFB-A03
- Further details, plenty of further accessories and suitable printers see *Accessories*

Limited tare range with verifiable models 1/6 from [Max]




! Shipment via freight forwarder. Please ask for dimensions, gross weight, shipping costs

STANDARD										OPTION		FACTORY	
											+3 DAYS	+3 DAYS	+3 DAYS

Model	Weighing capacity [Max] kg	Readability = Verification value [d] = [e] kg	Minimal load [Min] kg	Option		
				Verification		DAkks Calibr. Certificate
					KERN	DAkks KERN
KERN						
UFN 600K200IPM	600	0,2	4	965-230		963-130
UFN 1.5T0.5IPM	1500	0,5	10	965-230		963-130

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.

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		Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram.
	Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required		GLP/ISO log: The balance displays serial number, user ID, weight, date and time, regardless of a printer connection		Stainless steel: The balance is protected against corrosion
	Easy Touch: Suitable for the connection, data transmission and control through PC, tablet or smartphone		GLP/ISO log: With weight, date and time. Only with KERN printers		Suspended weighing: Load support with hook on the underside of the balance
	Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.		Piece counting: Reference quantities selectable. Display can be switched from piece to weight		Battery operation: Ready for battery operation. The battery type is specified for each device
	Alibi memory: Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.		GLP/ISO log: With weight, date and time. Only with KERN printers		Rechargeable battery pack: Rechargeable set
	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		Universal mains adapter: with universal input and optional input socket adapters for A) EU, CH, GB; B) EU, CH, GB, USA; C) EU, CH, GB, USA, AUS
	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		Mains adapter: 230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available
	USB data interface: To connect the balance to a printer, PC or other peripherals		Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, multiplier function, adjustment of recipe when dosages are exceeded or barcode recognition		Power supply: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request
	Bluetooth* data interface: To transfer data from 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: Strain gauges Electrical resistor on an elastic deforming body
	WLAN 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: Tuning fork A resonating body is electromagnetically excited, causing it to oscillate
	Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.		Weighing units: Can be switched to e.g. nonmetric units at the touch of a key. See balance model. Please refer to KERN's website for more details		Weighing principle: Electromagnetic force compensation Coil inside a permanent magnet. For the most accurate weighings
	Analogue interface: to connect a suitable peripheral device for analogue processing of the measurements		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		Weighing principle: Single cell technology: Advanced version of the force compensation principle with the highest level of precision
	Interface for second balance: For direct connection of a second balance		Hold function: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value		Verification possible: The time required for verification is specified in the pictogram
	Network interface: For connecting the scale to an Ethernet network				DAkKS calibration possible: The time required for DAkKS calibration is shown in days in the pictogram
	Wireless data transfer: between the weighing unit and the evaluation unit using an integrated radio module				Package shipment: The time required for internal shipping preparations is shown in days in the pictogram
					Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram

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KERN – Precision is our business

To ensure the high precision of your balance KERN offers you the the appropriate test weight in the international OIML error limit classes E1-M3 from 1 mg - 2500 kg. In combination with a DAkKS calibration certificate the best pre-requisite for proper balance calibration.

The KERN DAkKS calibration laboratory today is one of the most modern and best-equipped DAkKS calibration laboratories for balances, test weights and force-measurement in Europe.

Thanks to the high level of automation, we can carry out DAkKS calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

Range of services:

- DAkKS calibration of balances with a maximum load of up to 50 t
- DAkKS calibration of weights in the range of 1 mg - 2500 kg
- Volume determination and measuring of magnetic susceptibility (magnetic characteristics) for test weights
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DAkKS calibration certificates in the following languages DE, GB, FR, IT, ES, NL, PL
- Conformity evaluation and reverification of balances and test weights

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