



UID 600K-1M Pallet scale KERN UID Owner's Manual

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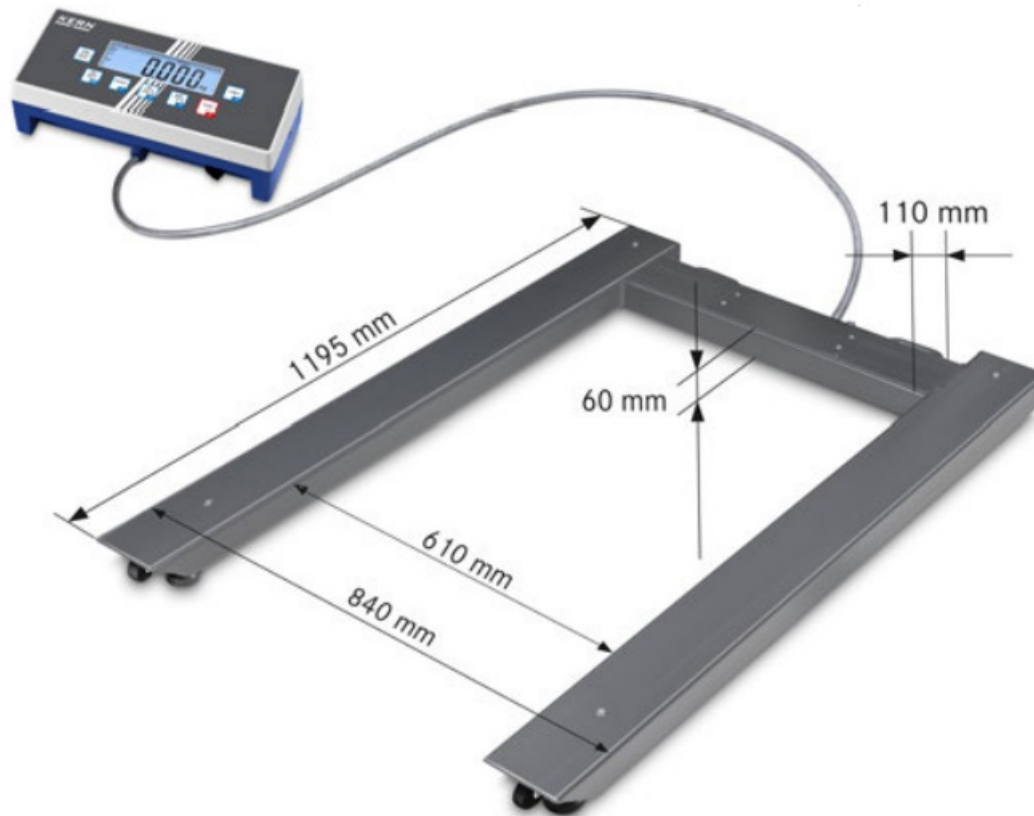


UID 600K-1M Pallet scale KERN UID



High-resolution dual-range pallet scale with EC type approval [M] and a wide range of interfaces

OVERVIEW



Features

- Dual-range pallet scale! Ideal, when high maximum loads need to be weighed, but in the lower load range you still need high resolution. This means that two scales can be replaced with one – which saves space and money!
- High mobility thanks to battery operation for 1 display device and platform
- 2 Load support: steel, powder coated, 4 load cells, alloy steel, silicone-coated, IP67
- The scale can be easily transported using rollers and a handle and does not require much storage space
- Totalising of weights and piece counts
- Searching and remote control of the balance using external control devices or computers with the KERN Communication Protocol (KCP). KCP is a standardised interface command structure for KERN balances and other instruments which allows you to recall and manage all relevant parameters and device functions. You can therefore simply connect KERN devices with KCP to computers, industrial control systems and other digital systems. In a large number of cases the KCP is compatible with the MT-SICS protocol.
- Due to interfaces such as RS-232 or USB, WiFi, Bluetooth, Ethernet (optional), the scale can easily be connected to existing networks. Data exchange between the scale, PC or printer
- Protective working cover included with delivery

Technical data

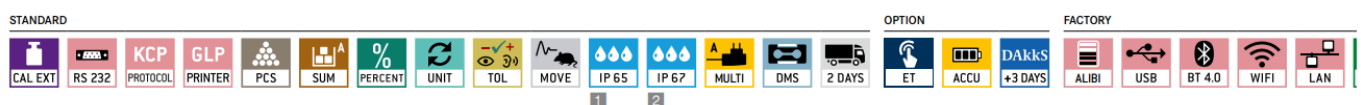
- Large LCD display, digit height 25 mm
- Dimensions of display device W×D×H 268×115×80 mm
- Cable length of display device approx. 5 m

- Net weight 44 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Protective working cover, scope of delivery: 5 items, KERN EOC-A01S05
- Stand to elevate display device, height of stand approx. 800 mm, KERN BFS-A07
- Internal rechargeable battery pack, operating time up to 43 h without backlight, charging time approx. 3 h, KERN KFB-A01
- USB data interface, must be ordered at purchase, KERN KIB-A03
- Bluetooth data interface for wireless data transfer to PC or tablets, must be ordered at purchase, must be ordered at purchase, KERN KIB-A04
- WiFi interface for wireless connection of the balance to networks and WiFi capable devices, such as tablets or laptops, continuous data transfer, must be ordered at purchase, KERN KIB-A10
- Ethernet data interface, to connect an IP-based Ethernet network, continuous data transfer, must be ordered at purchase, KERN KIB-A02
- Signal lamp, including interface, for visual support of weighing with tolerance range, must be ordered at purchase, KERN KIB-A06
- Alibi memory, including USB interface for exporting weighing results to external data storage media, such as, for example, USB sticks, hard drives, etc., KERN KIB-A01
- Verification plug, for verified balances this enables you to separate the display device and platform without affecting the verification, e. g. for installing the scale in a packing and dispatch table, pit frame etc. at a later date. Please order this at the same time as you purchase your scale, KERN KIB-A12

Note: In addition to the RS-232 interface, which is integrated as standard, only one other interface can be installed and operated Shipment via freight forwarder. Please ask for dimensions, gross weight, shipping costs



Model	Weighing capacity [Max] kg	Readability = Verification value [d] = [e] kg		Option			
				Verification		DAkkS Calibr. Certificate	
				KERN		KERN	
UID 600K-1M	600	0,2		965-230		963-130	
UID 1500K-1M	1500	0,5		965-230		963-130	
UID 3000K-0M	3000	1		965-232		963-132	
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readability [d]							
UID 600K-1DM	300 600	0,1 0,2		965-230		963-130	
UID 1500K-1DM	600 1500	0,2 0,5		965-230		963-130	
UID 3000K-0DM	1500 3000	0,5 1		965-232		963-132	
<p>Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible.</p> <p>Verification at the factory, we need to know the full address of the location of use.</p>							

Pictograms



- **Internal adjusting:**

Quick setting up of the balance's accuracy with internal adjusting weight (motor driven)



- **Adjusting program CAL:**

For quick setting up of the balance's accuracy. External adjusting weight required

- **Easy Touch:**



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

- **Memory:**

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



- **Alibi memory:**

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



- **Data interface RS-232:**

To connect the balance to a printer, PC or network

- **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

- **USB data interface:**



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

- **Bluetooth* data interface:**

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



- **WiFi data interface:**

To transfer data from the balance to a printer, PC or other peripherals Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.



- **Analogue interface:**

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



- **Interface for second balance:**

For direct connection of a second balance

- **Network interface:**



For connecting the scale to an Ethernet network

- **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



- **GLP/ISO log:**

The balance displays serial number, user ID, weight, date and time, regardless of a printer connection



- **GLP/ISO log:**

With weight, date and time. Only with KERN printers.



- **Piece counting:**

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

- **Recipe level A:**



The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out

- **Recipe level B:**



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

- **Totalising level A:**



The weights of similar items can be added together and the total can be printed out

- **Percentage determination:**

Determining the deviation in % from the target value (100 %)

- **Weighing units:**



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



- **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



- **Hold function:**

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



- **Protection against dust and water splashes IPxx:**

The type of protection is shown in the pictogram.

- **Suspended weighing:**



Load support with hook on the underside of the balance



- **Battery operation:**

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



- **Rechargeable battery pack:**

Rechargeable set



- **Universal plug-in power supply:**

with universal input and optional input socket adapters for A) EUA, CH, GB; B) EU, CH, GB, USA; C) EU, CH, GB, USA, AUS



- **Plug-in power supply:**

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



- **Integrated power supply unit:**

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



- **Weighing principle: Strain gauges:**

Electrical resistor on an elastic deforming body



- **Weighing principle: Tuning fork:**

A resonating body is electromagnetically excited, causing it to oscillate Weighing principle:

Electromagnetic force compensation: Coil inside a permanent magnet. For the most accurate weighings



- **Weighing principle: Single cell technology:**

Advanced version of the force compensation principle with the highest level of precision



- **Verification possible:**

The time required for verification is specified in the pictogram



- **DAkKS calibration possible (DKD):**

The time required for DAkKS calibration is shown in days in the pictogram



- **Factory calibration (ISO):**

The time required for Factory calibration is shown in days in the pictogram

- **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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trade names are those of their respective owners.

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-measure-ment 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, EN, FR, IT, ES, NL, PL
- Conformity evaluation and reverification of balances and test weights

Your KERN specialist dealer

Documents / Resources

	<p>KERN UID 600K-1M Pallet scale KERN UID [pdf] Owner's Manual</p> <p>UID 600K-1M Pallet scale KERN UID, UID 600K-1M, Pallet scale KERN UID, scale KERN UID, KERN UID</p>
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