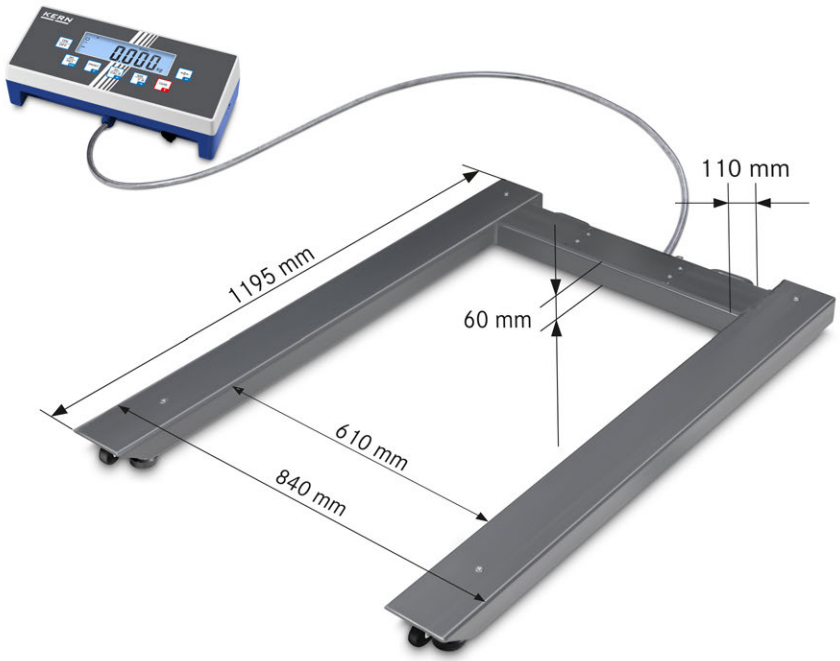
Pallet scale KERN UID



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

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 display device and platform
- 1 Load support: steel, powder coated, 4 silicone-coated steel load cells, protection against dust and water splashes 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 rechargable battery pack, operating time up to 43 h without backlight, charging time approx. 3 h, KERN KFB-A01
- Bluetooth data interface for wireless data transfer to PC or tablets, must be ordered at purchase, not possible in combination with verification, KERN KIB-A04
- WiFi interface for wireless connection of the balance to networks and WiFi capable devices, such as tablets, laptops or smartphones, 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

STANDARD: CAL EXT, RS 232, KCP PROTOCOL, GLP PRINTER, PCS, SUM, PERCENT, UNIT, TOL, MOVE, IP 67, MULTI, DMS, 2 DAYS

OPTION: ACCU, DAkkS +3 DAYS

FACTORY: ALIBI, USB, BT 4.0, WIFI, LAN, M +3 DAYS

1

Model KERN	Weighing capacity [Max] kg	Readability = Verification value [d] = [e] kg		Option Verification KERN		Option DAkkS Calibr. Certificate 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 readibility [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	
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.							

* Verification not in combination with KERN KIB-A02, KIB-A03, KIB-A04, KIB-A10

Pictograms

CAL INT
Internal adjusting:
Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)

CAL EXT
Adjusting program CAL:
For quick setting up of the balance's accuracy. External adjusting weight required

ET
Easy Touch:
Suitable for the connection, data transmission and control through PC, tablet or smartphone.

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

ALIBI
Alibi memory:
Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard

RS 232
Data interface RS-232:
To connect the balance to a printer, PC or network

RS 485
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
USB data interface:
To connect the balance to a printer, PC or other peripherals

BT
Bluetooth* data interface:
To transfer data from the balance to a printer, PC or other peripherals

WIFI
WiFi data interface:
To transfer data from the balance to a printer, PC or other peripherals

SWITCH
Control outputs (optocoupler, digital I/O):
To connect relays, signal lamps, valves, etc.

ANALOG
Analogue interface:
to connect a suitable peripheral device for analogue processing of the measurements

DUAL
Interface for second balance:
For direct connection of a second balance

LAN
Network interface:
For connecting the scale to an Ethernet network

KCP PROTOCOL
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 INTERN
GLP/ISO log:
The balance displays serial number, user ID, weight, date and time, regardless of a printer connection

GLP PRINTER
GLP/ISO log:
With weight, date and time. Only with KERN printers

PCS
Piece counting:
Reference quantities selectable. Display can be switched from piece to weight

RECIPE
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
Recipe level B:
Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display

SUM
Totalising level A:
The weights of similar items can be added together and the total can be printed out

PERCENT
Percentage determination:
Determining the deviation in % from the target value (100 %)

UNIT
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

TOL
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

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

IP
Protection against dust and water splashes IPxx:
The type of protection is shown in the pictogram

UNDER
Suspended weighing:
Load support with hook on the underside of the balance

BATT
Battery operation:
Ready for battery operation. The battery type is specified for each device

ACCU
Rechargeable battery pack:
Rechargeable set

MULTI
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

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

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

DMS
Weighing principle: Strain gauges:
Electrical resistor on an elastic deforming body

T-FORK
Weighing principle: Tuning fork:
A resonating body is electromagnetically excited, causing it to oscillate

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

SC TECH
Weighing principle: Single cell technology:
Advanced version of the force compensation principle with the highest level of precision

M +3 DAYS
Verification possible:
The time required for verification is specified in the pictogram

DAkkS +3 DAYS
DAkkS calibration possible (DKD):
The time required for DAkkS calibration is shown in days in the pictogram

ISO +4 DAYS
Factory calibration (ISO):
The time required for Factory calibration is shown in days in the pictogram

1 DAY
Package shipment:
The time required for internal shipping preparations is shown in days in the pictogram

2 DAYS
Pallet shipment:
The time required for internal shipping preparations is shown in days in the pictogram

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

Your KERN specialist dealer: