Manuals+ — User Manuals Simplified.

KERN NIB 300K-1 Series Floor Weighing Scale Instruction Manual

Contents

KERN NIB 300K-1 Series Floor Weighing Scale

Features

- Drive-through scale for rapid weighing of e.g. wire cage trolleys, shelf trolleys, container trolleys, storage trolleys, sack trucks, transpallets, mobile containers, containers refuse etc.
- Low platform height and integrated access ramps on both sides facilitate access. No need for pit frame installation – which saves money
- Weighing bridge: Steel, powder coated, 4 silicon-coated aluminum load cells with protection against dust and water splashes to IP67

- Level indicator to level the balance precisely

- The scale can be easily transported using rollers and a handle and does not require much storage space

- Wall mount for the display device, as standard, only for models without a stand
- Protective working cover included with delivery
- 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 LCD display, digit height 25 mm
- Platform height in the drive-through area: 40 mm
- Dimensions weighing surface, steel, painted W×D 800×800 mm (Without ramps) W×D×H 1000×1000×40 mm

- Dimensions of display device W×D×H 235×114×51 mm
- Cable length of display device approx. 5 m
- Optional battery operation, 4×1.5 V AA not included in scope of delivery, operating time up to 60 h
- Permissible ambient temperature -10°C/40°C

Accessories

- Protective working cover over the display device, scope of delivery: 5 items, KERN EOB-A04BS05
- Pair of base plates to fix the weighing bridge to the floor, KERN BIC-A07

STANDARD

| CAL EXT | UNIT | MOVE | IP 67 | BATT | MULTI | DMS | 2 DAYS |

OPTION

DAkkS +3 DAYS

Model	Weighing capacity	Readability	Net weight	Option DAkkS Calibr. Certificate
KERN	[Max] kg	[d] kg	approx. kg	DAkkS KERN
NIB 300K-1	300	0,1	40	963-129
NIB 600K-2	600	0,2	40	963-130

KERN PICTOGRAMS

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

CAL INT

- **Adjusting program CAL:**

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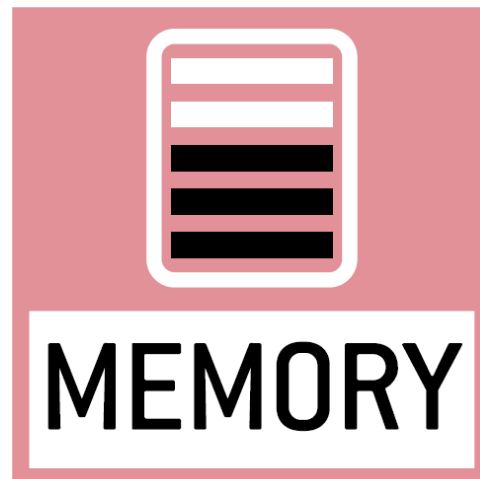

- **Easy Touch:**

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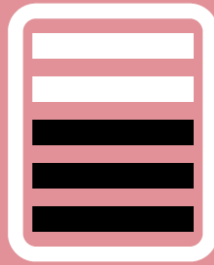

- **Memory:**

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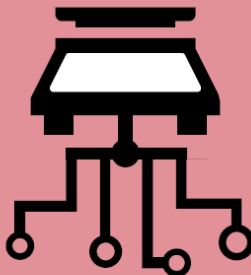

- **Alibi memory:**

  Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.
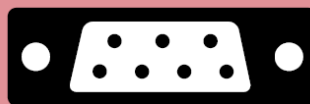
- **KERN Universal Port (KUP):**

  allows the connection of external KUP interface adapters, e.g. RS-232, RS-485, SB, Bluetooth, WLAN, Analogue, Ethernet etc. for the exchange of data and control commands, without installation effort
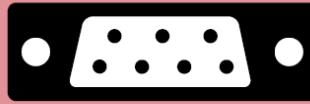

- **Data interface RS-232:**

  To connect the balance to a printer, PC or network
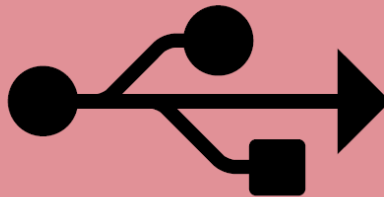

- **RS-485 data interface:**

  To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible

RS 485

- **USB data interface:**

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

USB

- **Bluetooth* data interface:**

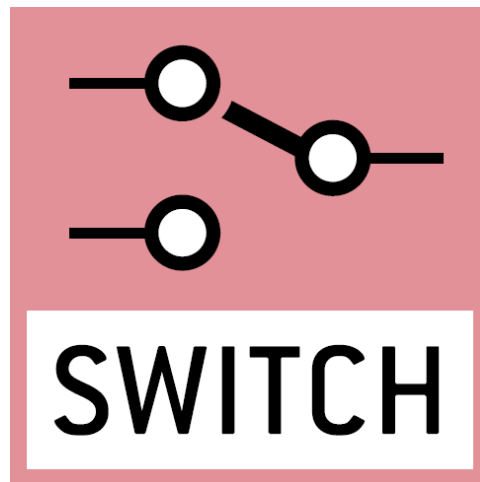 To transfer data from the balance to a printer, PC or other peripherals

BT

- **WiFi data interface:**

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

- **Control outputs (optocoupler, digital I/O):**

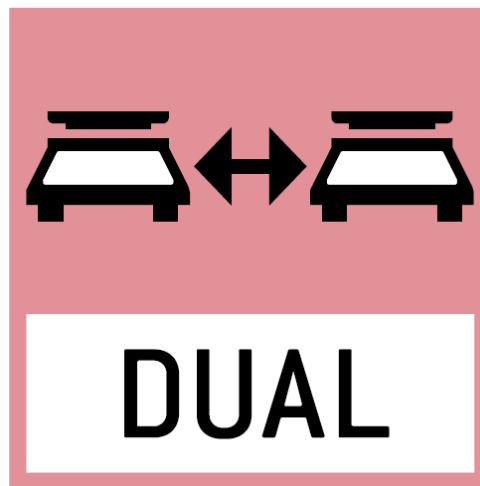 To connect relays, signal lamps, valves, etc.

- **Analogue interface:**

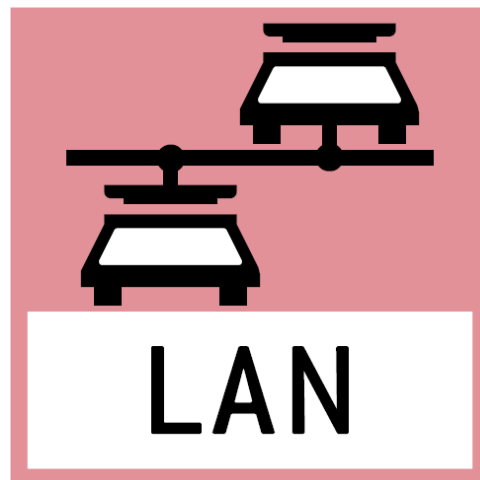 To connect a suitable peripheral device for analogue processing of the measurements

- **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 instru ments, 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 weight, date and time, independent of a printer connection
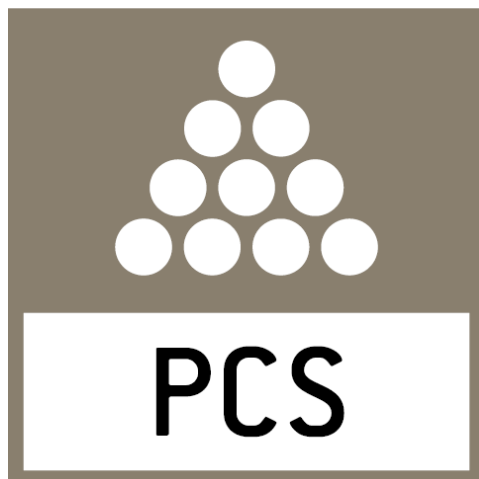
- **GLP/ISO log:**
  With weight, date and time. Only with KERN printers.

- **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
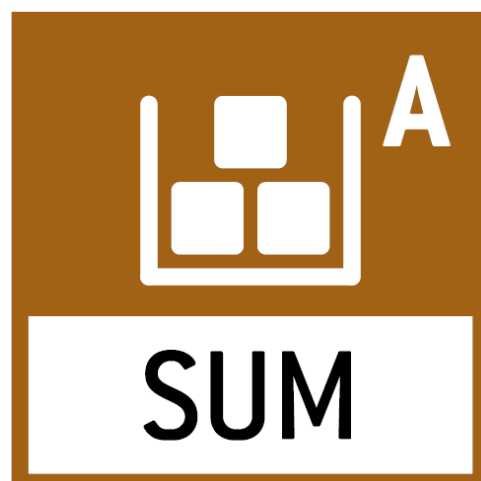
- **Recipe level B:**

  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
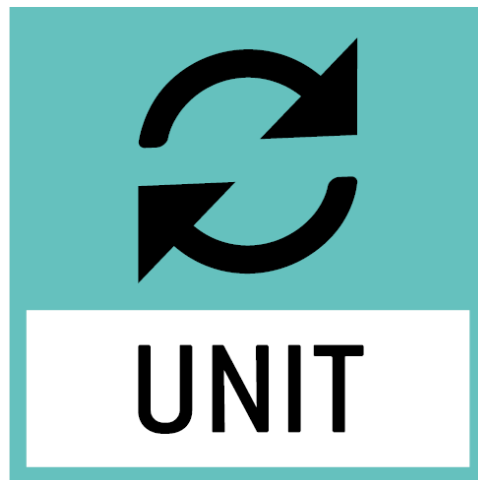

- **Percentage determination:**

  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
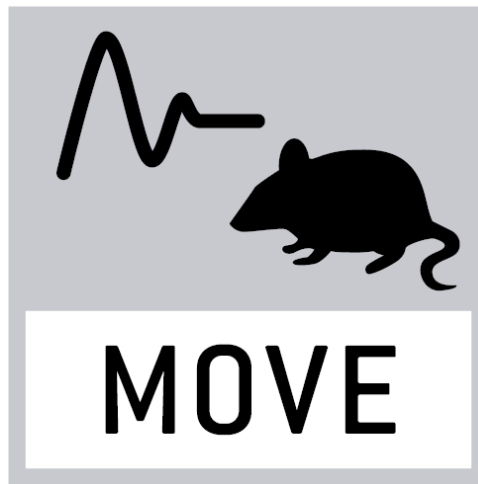

- **Weighing with tolerance range:**

  (Check weighing) 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 un stable, 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
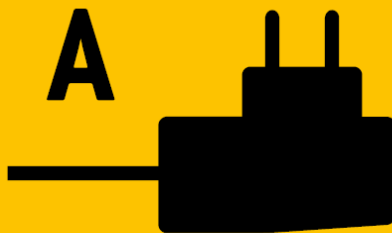

- **Universal plug-in power supply:**

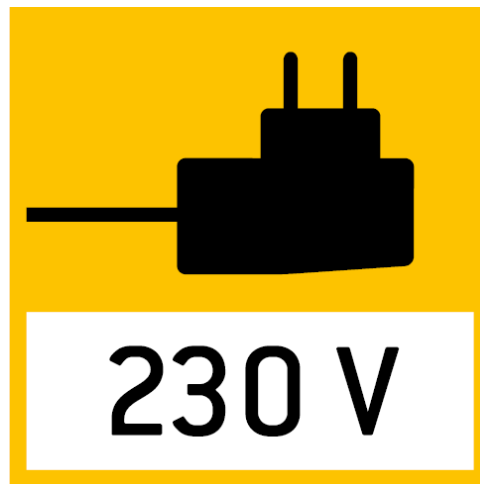 with universal input and optional input socket adapters for

  - EU, CH, GB
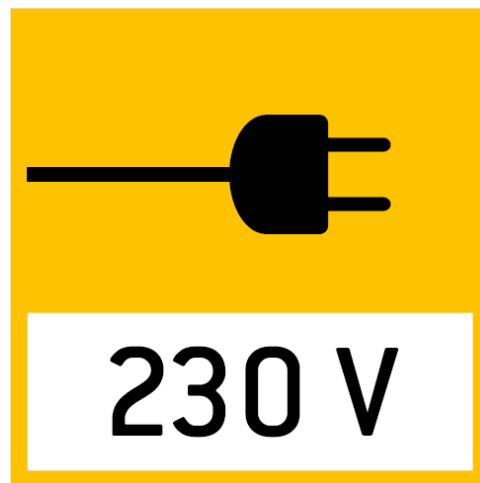 - EU, CH, GB, USA
  - EU, CH, GB, USA, AUS

- **Plug-in power supply:**

  230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available
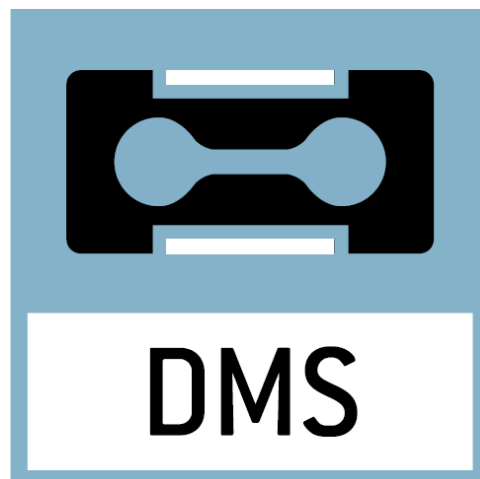
- **Integrated power supply unit:**

  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
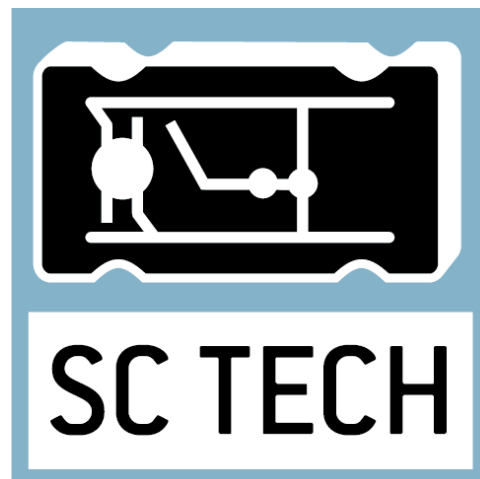
- **Weighing principle: Electromagnetic force compensation**

  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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Documents / Resources

KERN NIB 300K-1 Series Floor Weighing Scale [pdf] Instruction Manual
NIB 300K-1, NIB 300K-1 Series, Floor Weighing Scale, Weighing Scale, Scale