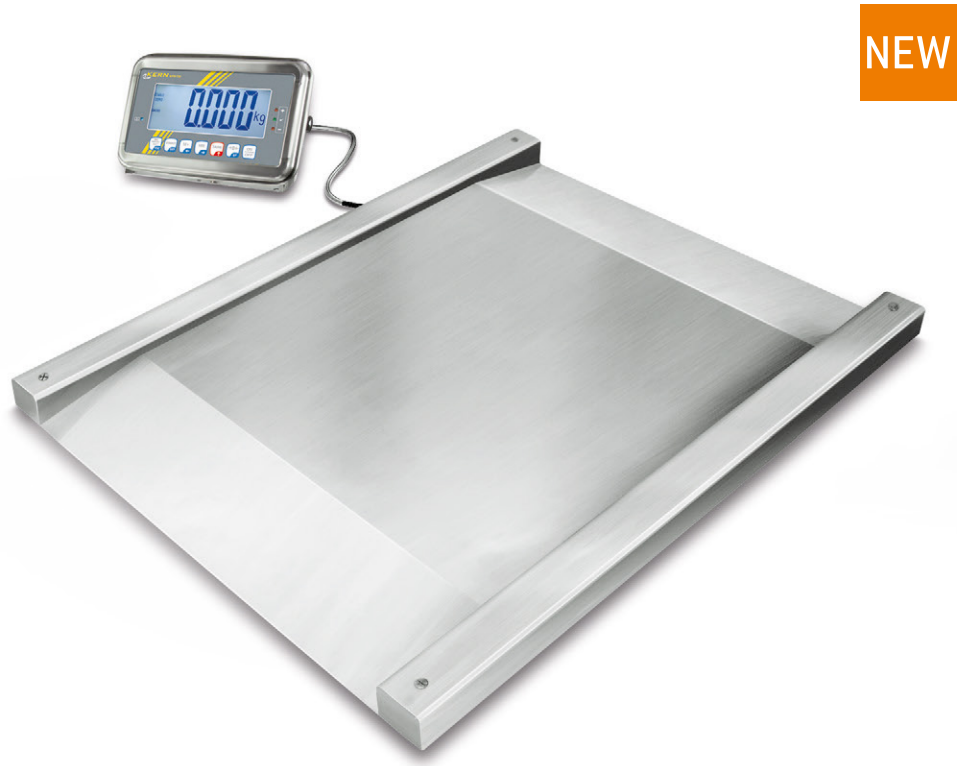
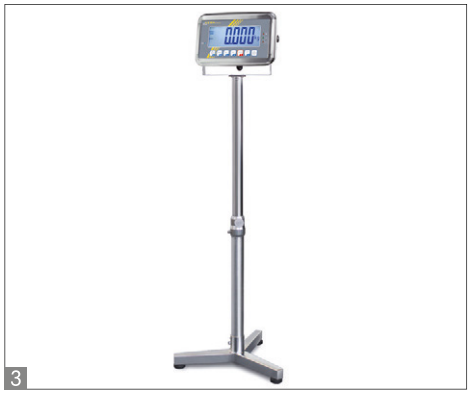
Drive-through scale KERN NFN



NEW



Note: For verified scales the weighing bridge must be fixed to the floor with a base plate pair

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

Stainless steel drive-through scale with two integrated access ramps and EC type approval [M]

Features

- **Robust drive-through scale** made of stainless steel for rapid weighing of e.g., shelf trolleys, container trolleys, storage trolleys, transport cases, transpallets, mobile containers etc.
- Low platform height and integrated access ramps on both sides facilitate access.
- **Weighing bridge stainless steel**, extremely resistant to bending. Also available as component without the display device, KERN KFD-V40, see page 141
- 1 **4 load cells steel, encapsulated**. Protection against dust and water splashes IP68, suitable for continuous use in wet areas
- Ideal for the ever-increasing hygienic requirements in the food, pharmaceutical and chemical industries
- Your support in an **HACCP**-compliant quality system
- **Totalising** of weights and piece counts
- 2 Display device KERN KFN-TM, stainless steel, details see page 136

Technical data

- Large backlit LCD display, digit height 52 mm
- Overall dimensions WxDxH 1600x1200x78 mm
- Weighing surface, without access ramps WxD 1000x1000 mm
- Dimensions of display device WxDxH 266x165x96 mm
- Cable length of display device approx. 5 m
- Net weight approx. 131 kg
- Permissible ambient temperature -10 °C / 40 °C

Accessories

- **Rechargeable battery pack internal**, operating time up to 35 h without backlight, charging time approx. 10 h, must be ordered at purchase, KERN GAB-A04
- 3 **Stand** to elevate display device, stainless steel, height-adjustable, height of stand 750-1000 mm, KERN BFN-A04
- **Data interface RS-232**, interface cable included, approx. 1.5 m, must be ordered at purchase, KERN KFN-A01
- **Pair of base plates** to fix the weighing bridge to the floor, KERN BFN-A03
- **Large display with superior display size**, digit height 76 mm. WxDxH 541x55x180 mm, for details see page 160, KERN YKD-A02
- **Cable with special length 15 m**, between display device and platform, must be ordered at purchase, KERN BFB-A03
- **Suitable printers** and an extensive accessories range, see page 157 ff.

STANDARD: CAL EXT, GLP PRINTER, PCS, SUM, TOL, MOVE, IP 65 (2), IP 68 (1), INOX, 230 V, DMS, 2 DAYS, 3 YEARS WARRANTY

OPTION: DAkkS +3 DAYS

FACTORY: RS 232, ACCU, M +3 DAYS

Model KERN	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Minimum load [Min] g		Options: Verification, KERN	Options: Verification	Options: DAkkS Calibr. Certificate, KERN	Options: DAkkS Calibr. Certificate
NFN 600K-1M	600	200	200	4000		965-230		963-130	
NFN 1.5T-4M	1500	500	500	10000		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.

KERN 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.

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

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. High tolerance against electromagnetic disturbance.

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.

WLAN — **WLAN 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.

DUAL — **Interface for second balance:** For direct connection of a second balance.

LAN — **Network interface:** For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.

GLP INTERN — **GLP/ISO log:** The balance displays the weight, date and time, regardless of a printer connection.

GLP PRINTER — **GLP/ISO log:** With weight, date and time. Only with KERN printers, see "Accessories"

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

RECIPE A — **Recipe level A:** Separate memory for the weight of the tare container and the recipe ingredients (net total).

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

RECIPE C — **Recipe level C:** Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. Additional convenient functions, such as barcode and back calculation functions.

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

SUM C — **Totalising level C:** Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display. Additional convenient functions, such as barcode and back calculation.

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

UNIT — **Weighing units:** Can be switched to e.g. non-metric units at the touch of a key. See balance model. Please refer to KERN's website for more details.

TOL — **Weighing with tolerance range:** Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.

MOVE — **Vibration-free weighing:** (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. For details see the glossary.

ATEX — **ATEX explosion protection:** Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.

INOX — **Stainless steel:** The balance is protected against corrosion.

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.

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

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

DMS — **Strain gauges:** Electrical resistor on an elastic deforming body.

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

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

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

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

DAkkS +3 DAYS — **DAkkS calibration possible:** The time required for DAkkS 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.

3 YEARS WARRANTY — **Warranty:** The warranty period is shown in the pictogram.

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 - 2000 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 6 t
- DAkkS calibration of weights in the range of 1 mg – 500 kg
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DAkkS calibration certificates in the following languages D, GB, F, I, E, NL

Your KERN specialist dealer: