



NEW

8 KERN KFP V40

Weighing bridge

STANDARD

IP 68 INOX 2 DAYS 3 YEARS WARRANTY M

FACTORY

- **8** Weighing bridge entirely made of stainless steel, extremely resistant to bending because of its high material thickness
- **F** Weighing plate fixed with stainless steel screws, for easier access to the loadcells from above
- **4 load cells, stainless steel, encapsulated, IP68, OIML-R60-approved**, class III, 3000 e
- Can be built in using pit frames (optional)
- **Level indicator and levelling feet** for precise levelling of the scale
- **Comfortable levelling of the weighing bridge** from the top
- Accessories page 119 (KERN BFN)

9 KERN KFD V40

Weighing bridge

STANDARD

IP 68 INOX 2 DAYS 3 YEARS WARRANTY M

FACTORY

- **9** Weighing bridge made from stainless steel, two integrated access ramps, extremely resistant to bending
- Extremely flat construction to facilitate access: access height only 45 mm
- **4 load cells, stainless steel, encapsulated IP68, OIML-R60-approval for verification**, class III, 3000 e
- **Level indicator and levelling feet** for precise levelling of the scale
- Accessories page 128 (KERN NFN)

10 KERN KKP-V40

Weighing bridge

STANDARD

IP 68 INOX 5 DAYS 3 YEARS WARRANTY M

FACTORY

- **10** Weighing bridge made entirely of stainless steel, extremely resistant to bending because of its high material thickness
- **G** To clean or service the floor scale, the weighing plate can be flipped up easily using two retractable handles, without damaging your back
- **4 load cells, stainless steel, encapsulated IP68, OIML-R60-approval for verification**, class III, 3000 e
- Can be built in using pit frames (optional)
- **Level indicator and levelling feet** for precise levelling of the scale
- **Comfortable levelling of the weighing bridge** from the top
- Accessories page 120/121 (KERN BKN)



Model	Weighing range [Max] kg	Readout [d] g	Verific. value [e] g	Min. load [Min] g	Cable length approx. m	Net weight approx. kg	Weighing plate WxDxH mm
8 Stainless steel weighing bridge KFP-V40							
KFP 600V40SM	600	200	200	4000	5	95	1000×1000×80
KFP 1500V40SM	1500	500	500	10000	5	95	1000×1000×80
KFP 1500V40M	1500	500	500	10000	5	135	1500×1250×80
KFP 3000V40M	3000	1000	1000	20000	5	135	1500×1250×80
9 Stainless steel weighing bridge KFD-V40							
KFD 600V40M	600	200	200	4000	5	130	1600×1200×78
KFD 1500V40M	1500	500	500	10000	5	130	1600×1200×78
10 NEW Stainless steel weighing bridge KKP-V40							
KKP 600V40SM	600	200	200	4000	5	97	1000×1000×110
KKP 600V40M	600	200	200	4000	5	126	1500×1250×110
KKP 1500V40SM	1500	500	500	10000	5	97	1000×1000×110
KKP 1500V40M	1500	500	500	10000	5	126	1500×1250×110
KKP 3000V40M	3000	1000	1000	20000	5	126	1500×1250×110
KKP 3000V40LM	3000	1000	1000	20000	5	156	1500×1500×110

KERN Pictograms:



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



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



Rechargeable battery pack: Rechargeable set.



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



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



Universal mains adapter: with universal input and optional input socket adapters for
A) EU, GB
B) EU, GB, CH, USA
C) EU, GB, CH, USA, AUS



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



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. On request GB, USA or AUS version available.



Alibi memory: Electronic archiving of weighing results, complying with the 2014/31/EU standard.



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.



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



Weighing principle: Strain gauge
Electrical resistor on an elastic deforming body.



RS-485 data interface: To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.



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



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



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



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



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



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



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.



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



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



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



Verification possible:
The time required for verification is specified in the pictogram.



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



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



DAkKS calibration possible (DKD): The time required for DAkKS calibration is shown in days in the pictogram.



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



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



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



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



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



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



Wireless data transfer: between the weighing unit and the evaluation unit using an integrated radio module.



Stainless steel: The balance is protected against corrosion.



Warranty: The warranty period is shown in the pictogram.



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



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



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



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

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

Your KERN specialist dealer: