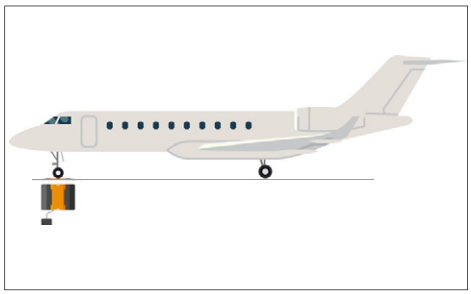
Axle load scale KERN VHP

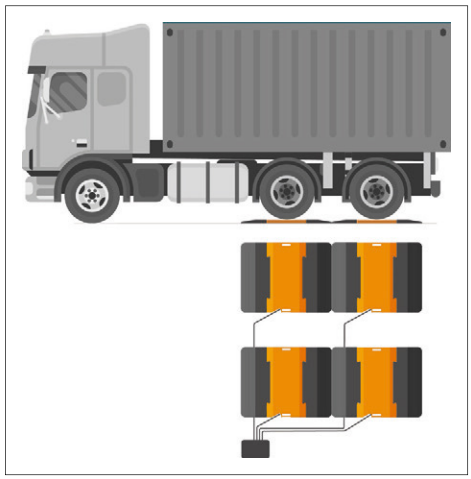


Weighing of airplanes
Order example: standard package VHP 15T-2, see table on the right, 4 x ascending ramp VHP-A01, 2 x weighing pad KHP 75000V20LM

Modular axle load scale for the mobile monitoring of vehicles up to 15 tones

Asynchronous weighing of individal axles
Order example: standard package VHP 6T-3 or VHP 15T-2, see table on the right

Asynchronous weighing of double axles which are installed next to each other, using compensation pads
Order example: standard package VHP 6T-3 or VHP 15T-2, see table on the right,
4 x ascending ramp VHP-A01,
2 x compensation pad VHP-A03



Simultaneous weighing of double axles, e.g. of a trailer
Order example: standard package VHP 15T-2, see table on the right, 4 x ascending ramp VHP-A01, 2 x weighing pad KHP 75000V20LM

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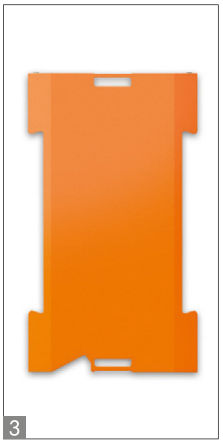
1


2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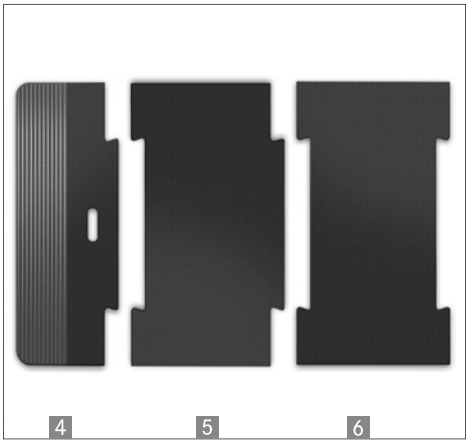
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Features

- **Mobile axle load scale for rapid monitoring of vehicles.** Space-saving and affordable. Ideal for mobile police or customs checks, on landfill sites, gravel works, biogas plants etc.
- 1 **Display device with integrated thermal transfer printer and rechargeable battery pack** in stable, lined transport case standard. 4 quick-release connectors to connect up to 4 weighing pads. The weighing results from the individual weighing pads can be issued individually or cumulatively
  KERN VHP-T
- 2 **Weighing pad (wheel load plate) extremely resistant to bending because of its high material thickness**. Particularly flat design, only 35 mm. Brackets for access ramps and spacer plates on both sides, and therefore quickly expendable
  - 2 rollers and 2 handles for easy transport of the weighing pad
  - 6 load cells, aluminium, **silicone-coated**, IP65

Technical data

- Backlit LCD display, digit height 10 mm
- Weighing plate dimensions WxDxH 900x500x35 mm
- Dimensions ascending ramp WxD 900x250 mm
- Dimensions display device (case) 355x300x165 mm
- Net weight for each weighing pad approx. 30,2 kg
- Net weight of each access ramp approx. 12 kg
- Net weight display device (case) approx. 9,2 kg
- **Rechargeable battery pack internal**, standard, operating time up to 13 hours with backlight without use of printer, charging time approx. 12 h. Can be re-ordered, KERN HFM-A01
- Cable length of display device approx. 10 m
- Permissible ambient temperature -40 °C / 70 °C
- **Scope of supply:**
  - **2 weighing pads (wheel load plates)**
  - **4 access ramps**
  - **1 display device in stable transport case**

Note: The standard scope of supplies (see technical data) can be expanded with further weighing pads, ramp extensions and balancing platforms (see accessories) and in this way the system can be adapted to cover a wide range of applications.
Do you have any questions or special requests?
Your KERN product specialist will be happy to help

Accessories

- 3 **Weighing pad to expand the weighing system VHP**, steel, lacquered (orange), 2 rollers and 2 handles, dimensions WxDxH 900x500x35 mm, 1 piece, for model
  VHP 6T-3: [Max] = 3000 kg, [d] = 5 kg, KERN KHP 3000V20LM
  VHP 15T-2: [Max] = 7500 kg, [d] = 10 kg, KERN KHP 7500V20LM
- 4 **Ascending ramp**, extremely resistant rubber compound, dimensions WxDxH 900x250x35 mm, KERN VHP-A01
- 5 **Ramp extension**, extremely resistant rubber compound, dimensions WxDxH 900x545x35 mm, KERN VHP-A02
- 6 **Compensation pad**, extremely resistant rubber compound, dimensions WxDxH 900x545x35 mm, KERN VHP-A03
- **Thermal receipt rolls** (10 pieces), suitable for the thermal transfer printer integrated in display device, length approx. 18 m, width 57 mm, Ø 51 mm, KERN RFS-A10
- **DAkkS calibration certificate** (for both pads), see table. DAkkS calibration certificate for one pad, see page 213

STANDARD

CAL EXT | UNIT | IP 65 | ACCU | DMS | 2 DAYS | 3 YEARS WARRANTY

OPTION

DAkkS +3 DAYS

Model KERN	Weighing range [Max] kg	Readout [d] kg	Weighing pad included with delivery [Max] kg		Option DAkkS Calibr. Certificate DKD KERN	
VHP 6T-3	6000	5	2 x 3000	↓	963-132A	
VHP 15T-2	15000	10	2 x 7500	↓	963-133A	

↓ Price reduction

KERN Pictograms:

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

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

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

Alibi memory: Electronic archiving of weighing results, complying with the 2009/23/EC 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. High tolerance against electromagnetic disturbance.

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.

WLAN 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.

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

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

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

GLP/ISO log: The balance displays the 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: Separate memory for the weight of the tare container and the recipe ingredients (net total).

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

Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, adjustment of recipe when dosages are exceeded, multiplier function, barcode.

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

Totalising level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, adjustment of recipe when dosages are exceeded, multiplier function, barcode recognition.

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

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

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.

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

Stainless steel: The balance is protected against corrosion.

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 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

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

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

Weighing principle: Strain gauge 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.

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.

Warranty: The warranty period is shown 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 - 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 50 t
- DAkkS calibration of weights in the range of 1 mg – 2500 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, PL

Your KERN specialist dealer: