

PALLET TRUCK SCALES






251,8 kg



PROFESSIONAL MEASURING

2016

KERN Pictograms

 <p>Internal adjusting: Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).</p>	 <p>Piece counting: Reference quantities selectable. Display can be switched from piece to weight.</p>	 <p>Suspended weighing: Load support with hook on the underside of the balance.</p>
 <p>Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required.</p>	 <p>Recipe level A: Separate memory for the weight of the tare container and the recipe ingredients (net total).</p>	 <p>Battery operation: Ready for battery operation. The battery type is specified for each device.</p>
 <p>Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.</p>	 <p>Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.</p>	 <p>Rechargeable battery pack: Rechargeable set.</p>
 <p>Alibi memory: Electronic archiving of weighing results, complying with the 2009/23/EC standard. For details see page 214</p>	 <p>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.</p>	 <p>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</p>
 <p>Data interface RS-232: To connect the balance to a printer, PC or network.</p>		 <p>Mains adapter: 230V/50Hz in standard version for EU. On request GB, USA or AUS version available.</p>
 <p>RS-485 data interface: To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.</p>	 <p>Totalising level A: The weights of similar items can be added together and the total can be printed out.</p>	 <p>Power supply: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request.</p>
 <p>USB data interface: To connect the balance to a printer, PC or other peripherals.</p>	 <p>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.</p>	 <p>Weighing principle: Strain gauges Electrical resistor on an elastic deforming body.</p>
 <p>Bluetooth* data interface: To transfer data from the balance to a printer, PC or other peripherals.</p>		 <p>Weighing principle: Tuning fork A resonating body is electromagnetically excited, causing it to oscillate.</p>
 <p>WLAN data interface: To transfer data from the balance to a printer, PC or other peripherals.</p>	 <p>Percentage determination: Determining the deviation in % from the target value (100 %).</p>	 <p>Weighing principle: Electromagnetic force compensation Coil inside a permanent magnet. For the most accurate weighings.</p>
 <p>Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.</p>	 <p>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.</p>	 <p>Weighing principle: Single cell technology Advanced version of the force compensation principle with the highest level of precision.</p>
 <p>Interface for second balance: For direct connection of a second balance.</p>	 <p>Weighing with tolerance range: Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning</p>	 <p>Verification possible: The time required for verification is specified in the pictogram.</p>
 <p>Network interface: For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter. See page 180</p>	 <p>Hold function: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.</p>	 <p>DAKkS calibration possible (DKD): The time required for DAKkS calibration is shown in days in the pictogram.</p>
 <p>Wireless data transfer: between the weighing unit and the evaluation unit using an integrated radio module.</p>	 <p>Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram. For details see the glossary. See page 72.</p>	 <p>Package shipment: The time required for internal shipping preparations is shown in days in the pictogram.</p>
 <p>GLP/ISO log: The balance displays the weight, date and time, regardless of a printer connection.</p>	 <p>ATEX explosion protection: Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.</p>	 <p>Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram.</p>
 <p>GLP/ISO log: With weight, date and time. Only with KERN printers, see "Accessories", see page 177.</p>	 <p>Stainless steel: The balance is protected against corrosion.</p>	 <p>Warranty: The warranty period is shown in the pictogram.</p>

KERN – measuring technology and testing services from a single source



Balances & Test service catalogue

Provides a complete overview of the KERN line of balances, test weights, and services, services such as verification, calibration, etc.



Medical scales catalogue

Complete line of medical scales, from infant scales to patient scales, chair scales and adiposity scales, as well as hand grip dynamometers, chemist's balances, and veterinary scales.



Microscopes & refractometers catalogue

Extensive range in the area of optical instruments, such as, for example, biological microscopes, stereo microscopes, metallurgical microscopes, polarisation microscopes as well as analogue and digital refractometers.



SAUTER measuring equipment catalogue

Test instruments for industry and commerce, such as force, coating thickness, material thickness and calibration service.



KERN DAkkS calibration service brochure

Detailed information on topics pertaining to the calibration and verification of balances, test weights, and force measuring devices.



KERN flyer Special offers

Compact overview of our bestselling products – just the balances/measuring instruments/microscopes your customers need! Can be customised to suit your requirements.



The gnome guide

Travel report from KERN, the famous scientific gnome, who travelled all over the world, in order to illustrate the physical law of gravitational force. Ideal for use in school education – please request, it's free of charge.



170 years of KERN

Interesting and readable overview of the history of the origins of Southern German balance manufacturing, as well as the company history, which stretches right back to 1770 – please request, it's free of charge.

Your advantages

1 Quick Delivery

Items in stock are sent the same day if orders are placed before 1:00 pm (valid for parcel service delivery within the EC).

2 Price performance ratio

KERN scales are always an inexpensive alternative. They are durable, uncomplicated and easy to place into operation.

3 Direct dispatch

of ordered goods to your customer is available, with personalised delivery note if desired (please ask), invoice will be issued to you (third party business).

4 3 years warranty

Items under € 400,- : 2 years

5 No stock-keeping necessary.

KERN does the warehousing for you.

6 Sale or return

within 14 days of purchase.

Weighing and transporting – just one operation

Speed up your warehouse and dispatch processes with the KERN pallet truck scales.

Get the exact weight of a load and at the same time, transport it to a specific location, all in one operation. This reduces commissioning times and avoids queues in front of fixed floor scales.

These mobile weighing solutions are space-saving and deliver reliable weighing results. Differences between given and actual weights can be determined quickly e.g. in the goods-in and out department. This uncovers inaccurate quantities, saves time and money and therefore ensures a very short amortisation period of the scales original cost.

KERN offers a carefully coordinated range from the affordable entry level model to the comfort model with printer and removable battery pack.

KERN pallet truck scales are of robust industrial quality, with high-level protection against dust and water splashes, with high-contrast, easy-to-read displays as well as solid wheels and load rollers – all this helps to give you practical support in your work – day after day.

Of course, all KERN pallet truck scales can also be calibrated and delivered with a DAkkS calibration certificate (optional). This ensures the high level of accuracy of your pallet truck scale.

Quick-Finder Pallet truck scales

Read-out [d]	Weighing range [Max]	Model KERN	Price excl. of VAT ex works €	Page	DAYS ready for shipping	CAL EXT	IP	BATT	ACCU
1 kg	2 t	VHB 2T1	1350,-	157	2	●	●	●	
1 kg	2 t	VFB 2T-3	1430,-	156	2	●	●		●
1 kg	2 t	VFS 2T1	1780,-	158	2	●	●		●
5 kg	2 t	VHE 2T5A	830,-	155	2	●	●	●	

● = Standard

○ = Option



HIGH-LIGHT

only €

830,-

▶ page 155

Your product specialist's recommendation:



The power pack in the dispatch department and the warehouse



The display device is well-protected by a metal frame



Optimised load rollers so that you can get over rough ground more easily and greater manoeuvrability

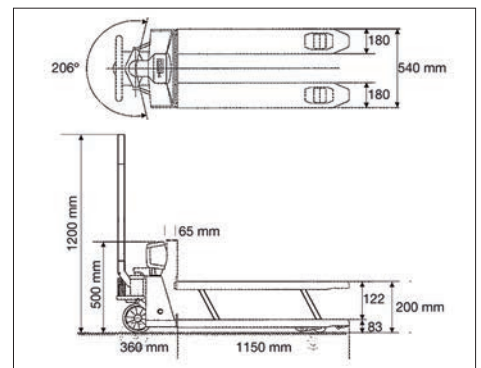


Katharina Queitsch
Product specialist Pallet truck scales

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KERN VHE

Pallet truck scale KERN VHE-A



Entry-level model into mobile weighing

Features

- **Highly versatile for general checkweighing**, e.g.: plausibility check at goods receiving, determining shipping weights, avoiding overloads, safety checks
- **Very manoeuvrable** thanks to its compact construction and low weight
- **Particularly robust** with its components having been relocated from the load fork into the protected housing area. It is therefore also ideal for heavy applications in the production area and on board lorries
- **Display device:** Protection against dust and water splashes IP65
- **Low height of the loading forks** easy uplifting to work with low pallets
- **Pivot range 206°**
- **Castors:** Solid rubber on aluminium rims
- **Load rollers:** Polyurethane

Operation:

- 1 Switch on and then pump up the load fork to the reference height
 - 2 Tare off
 - 3 Release the load fork and load the goods to be weighed
 - 4 Weighing: Pump the load fork with the goods to be weighed up to the reference height, read off the weight
- **Ready for use:** Batteries included 2 x 1.5 V AA. AUTO-OFF function to preserve the batteries. Operating time approx. 1 year/approx. 3000 weighings. Charge status indicator on display

Technical data

- Large LCD display, digit height 18 mm

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

STANDARD



OPTION



Model	Weighing range	Readout	Net weight approx.	Permissible ambient temperature	Price excl. of VAT ex works €	Option	
						DAKKS Calibr. Certificate	
KERN VHE 2T5A	[Max] kg 2000	[d] kg 5	kg 65	°C -10 °C / 40 °C	€ 830,-	DKD KERN 963-131	€ 220,-

Pallet truck scale KERN VFB



Pallet truck scale with totalising function for weights and integrated rechargeable battery pack

Features

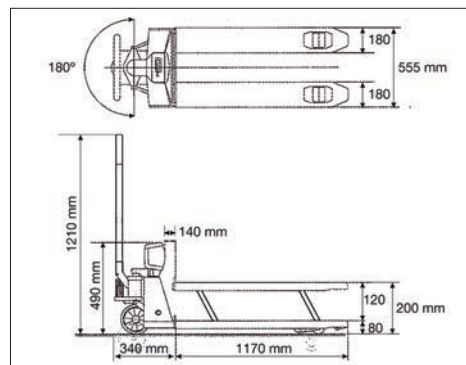
- **PRE-TARE function** for manual deduction of a known container weight (e.g. pallet, mesh crate etc.)
- **Load fork:** Protection against dust and water splashes IP67, temporary use in wet areas possible
- **Pivot range 180°**
- **Castors:** Solid rubber on aluminium rims
- **Load rollers:** Tandem tyres to overcome thresholds and obstacles more easily. Material: Polyurethane
- **Check the weighing range** which is in use at the press of a button (net/gross weight)
- **Totalising** of weights
- **Rechargeable battery pack internal,** standard, operating time up to 40 h without backlight, charging time approx. 12 h. Can be re-ordered KERN VFB-A02, € 40,-

Technical data

- **Backlit LCD display,** digit height 22 mm

Accessories

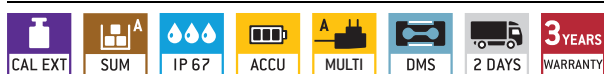
- **Protective working cover** over the display device, can be retrofitted, KERN VFB-A01S05, € 25,-



Note: As standard, the unit is dispatched without the shaft and display fitted. The shaft and display can be fitted at our factory for an additional cost, delivery + 2 working days, KERN VFS-M01, € 150,- Please state when ordering

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

STANDARD



OPTION



only with VFS-M01

Model	Weighing range	Readout	Net weight approx.	Permissible ambient temperature	Price excl. of VAT ex works	Option	
						DAkKS Calibr. Certificate	
KERN	[Max] kg	[d] kg	kg	°C	€	DKD KERN	€
VFB 2T-3	2000	1	126	-10 °C / 40 °C	1430,-	963-131	220,-

Pallet truck scale KERN VHB



Pallet truck scale with complete protection against dust and water splashes IP65/67 and a memory for a container weight

Features

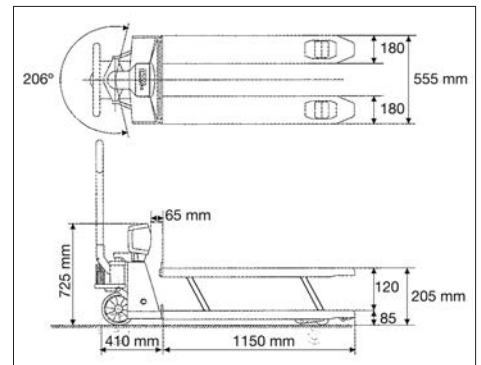
- **PRE-TARE function** for manual subtraction of a known container weight, value can be saved
- **1 Display device:** Protection against dust and water splashes IP65
- **2 Load fork:** Protection against dust and water splashes IP67, temporary use in wet areas possible
- **Pivot range 206°**
- **Castors:** Solid rubber on aluminium rims
- **3 Load rollers:** Tandem tyres to overcome thresholds and obstacles more easily. Material: Polyurethane
- **Totalising** of weights
- **Ready for use:** Batteries included (4 x 1.5 V AA). AUTO-OFF function to preserve the batteries. Operating time approx. 80 h / 1700 weighings

Technical data

- Large LCD display, digit height 28 mm

Accessories

- **Castors made of red polyurethane on aluminium rims.** Ideal for light-coloured flooring as they leave less visible abrasive marks. Suitable for the current models of the pallet truck scale ranges KERN VHB, KERN VHS (when retrofitting, please give the serial number of the pallet truck scale available when ordering), KERN VHB-A02, € 120,-



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

STANDARD



OPTION



Model	Weighing range	Readout	Net weight approx.	Permissible ambient temperature	Price excl. of VAT ex works	Option	
						DAKKS Calibr. Certificate	
KERN VHB 2T1	[Max] kg 2000	[d] kg 1	kg 120	°C -10 °C / 40 °C	€ 1350,-	DKD KERN 963-131	€ 220,-

Pallet truck scale KERN VFS

PREMIUM
★ ★ ★



Pallet truck scale with large display, integrated printer, rechargeable battery pack and complete dust and spray protection to IP 65/67

Features

- **PRE-TARE function** for manual deduction of a known container weight (e.g. pallet, mesh crate etc.)
- **1 Display device:** Protection against dust and water splashes IP65
- **2 Load fork:** Protection against dust and water splashes IP67, temporary use in wet areas possible
- **Pivot range 180°**
- **Castors:** Solid rubber on aluminium rims
- **Load rollers:** Tandem tyres to overcome thresholds and obstacles more easily. Material: Polyurethane
- **Rechargeable battery pack internal,** standard, operating time up to 60 h, charging time approx. 12 h. Can be re-ordered, KERN HFM-A01, € 50,-

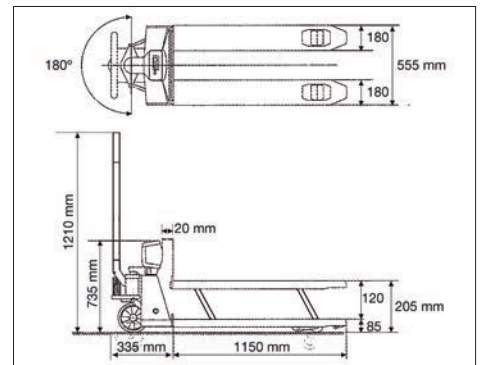
- **3 Integrated thermal printer,** standard. Printout with date and time. Width of paper 56 mm, 20 characters/line, print-out speed up to 45 mm/sec, temperature range 0 °C / +40 °C

Technical data

- Large backlit LCD display, digit height 52 mm

Accessories

- **Thermal receipt rolls** (10 pieces), width 56 mm, Ø 51 mm, KERN RFS-A10, € 40,-



Note: As standard, the unit is dispatched without the shaft and display fitted. The shaft and display can be fitted at our factory for an additional cost, delivery + 2 working days, KERN VFS-M01, € 150,- Please state when ordering

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

STANDARD



OPTION

















only with VFS-M01

Model	Weighing range	Readout	Net weight approx.	Permissible ambient temperature	Price excl. of VAT ex works	Option	
						DAkKS Calibr. Certificate	
KERN	[Max] kg	[d] kg	kg	°C	€	DKD KERN	€
VFS 2T1	2000	1	125	-10 °C / 40 °C	1780,-	963-131	220,-

1 ONLY WHILE STOCKS LAST

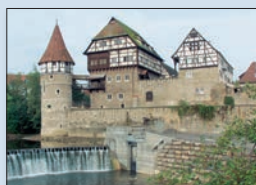
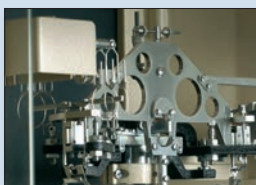
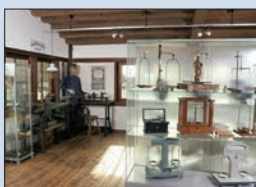
Tradition and innovation for more than 170 years

An independent family business, KERN since already 7 generations is synonymous with quality and reliability in customer service.

				
► 1844	► 1863	► 1880	► 1923	► 1980
KERN is founded – precision balances are produced	A proud Gottlieb Kern with his staff	Pharmaceutical balance with Aesculap	Inflation – KERN wages are paid with self printed currency	The electronic balance ousts mechanical devices
				
► 1994	► 2000	► 2002	► 2007	► 2008
Accredited DKD laboratory (ISO 17025)	New premises in Balingen	Existing QM system certification in accordance with DIN EN ISO 9001:2000 standards	Approval for the manufacture of medical products (DIN EN 13485 and 93/42/EEC)	Authorisation for initial verification by the manufacturer (2009/23/EC)
				
► 2009	► 2012	► 2014	► 2015	
Approval for the manufacture and sale of height rods (DIN EN 13485 and 93/42/EEC)	Verification point for non-automatic balances and test weights. New customer portal www.kern-sohn.com goes live	Expansion of the product range to include optical instruments (microscopes and refractometers)	Inauguration of Ziegelei 2.0 with computer-controlled high-bay warehouse	

Our Tip

Come to see the Museum of scale and weight ...



How a scale learned to weigh! Come and experience KERN history in the Zollerenschloss at Balingen ...

www.balingen.de
→ "Kultur"

KERN – Tradition and Innovation for over 170 years

An independent family business, KERN since already 7 generations is synonymous with quality and reliability in customer service.

fast

- 24 hours delivery service – ordered today, on its way tomorrow
- Sales & service hotline available from 8:00 am to 6:00 pm

reliable


- 3 years warranty for balances over € 400,-
- Precision in weighing technology for more than 170 years

competent


- DAkkS accreditation
DIN EN ISO/IEC 17025
- Certified QM system
DIN EN ISO 9001:2008
- Authorisation for initial verification by the manufacturer
2009/23/EC
- Medical certifications
DIN EN ISO 13485 and
93/42/EEC

versatile


- One-stop shopping: from pocket balances through to floor scales – everything from one supplier
- Find the product you want at lightning speed with the “Balance Quick-Finder” at www.kern-sohn.com

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 **Our team of consultants will assist you**
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from 8:00 am to 6:00 pm

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For product specification sheets, user manuals, useful information, technical glossary pictures and much more as well as a smart search engine for test weights and balances

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