



KERN PET [d] = 0,001 g



KERN PET [d] = 0,01

Features

- **Intuitive operation, increases efficiency and saves costs:** Easy entering of item data at the PC, call up of items on the balance using the connected barcode or RFID scanner, output of weighing data using the large or second display or control outputs, data transfer to the PC, printer or alibi memory
- **Enormous database (1GB)** for thousands of weighing results, items, recipes, recipe ingredients, container weights, user data etc.
- **Individual print formats:** Printouts can be individually adjusted depending on operating mode, application or your own requirements, directly at the balance or the PC. In this way the data related to these processes is documented accurately, efficiently and clearly
- **Individual user settings can be stored:** User name and number, Password, Menu language, User profile, Additional guest mode for users without log-in, Authorisations
- Easy entering of item data using the connected barcode or RFID scanner

- **Draught shield** standard for models with weighing plate size **A**, Weighing space W×D×H 140×140×65 mm

Technical data

- Large backlit LCD touch display, digit height 21 mm, screen diagonal 5,7" (115×86 mm)
- Dimensions weighing surface, stainless steel **A** W×D 128×128 mm, **B** W×D 195×195 mm
- Overall dimensions W×D×H **A** 431×221×99 mm, **B** 250×425×80 mm
- Permissible ambient temperature 15 °C/35 °C

Accessories

- **Suitable printers** and further, extensive accessories see internet

• Modes

- ① Weighing
- ② Determination stock level
- ③ Checkweighing
- ④ Dispensing
- ⑤ Percentage determination
- ⑥ Density
- ⑦ Animal weighing
- ⑧ Recipe weighing
- ⑨ Statistics
- ⑩ Pipette calibration
- ⑪ Differential weighing
- ⑫ Statistical Quality Control (SQC)

Functions

- Capacity display with ①–⑫
- Dispensing aid (-/+), with ④, ⑤
- Net/gross display, permanent, with ①–⑫
- Variable reference quantity, with ②
- Automatic reference optimisation, with ②
- Tare deduction automatic, with ①–⑫
- Entering of item or batch description, operator etc., with ①–⑫
- Freely programmable weighing unit, e.g. display direct in special units such as length of thread g/m, grammage g/m2, or similar, with ①–⑫
- Date/time, with ①–⑫
- Statistical function, as stand-alone application
- GLP printout, with ①–⑫
- Individual printout configuration ①–⑫

STANDARD



OPTION

FACTORY










































Model	Weighing range [Max] g	Readout [d] g	Verification value [e] g	Minimal load [Min] g	Weighing plate	Options		
						Verification		DAkkS Calibr. Certificate
						M	KERN	DKD KERN
PET 600-3M	600	0,001	0,01	0,02	A	965-216		963-127
PET 1000-3M	1000	0,001	0,01	0,02	A	965-216		963-127
PET 2500-2M	2500	0,01	0,1	0,5	B	965-216		963-127
PET 6000-2M	6000	0,01	0,1	0,5	B	965-217		963-128

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.

ONLY WHILE STOCKS LAST!

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.	 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.
 RS-485 data interface: To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.	 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.
 USB data interface: To connect 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.
 Bluetooth* 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.
 WLAN data interface: To transfer data from the balance to a printer, PC or other peripherals.	 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.
 Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.	 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.
 Interface for second balance: For direct connection of a second balance.	 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.
 Network interface: For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.	 Stainless steel: The balance is protected against corrosion.	 Warranty: The warranty period is shown in the pictogram.
 Wireless data transfer: between the weighing unit and the evaluation unit using an integrated radio module.	 Suspended weighing: Load support with hook on the underside of the balance.	
 GLP/ISO log: The balance displays the weight, date and time, regardless of a printer connection.	 Battery operation: Ready for battery operation. The battery type is specified for each device.	
 GLP/ISO log: With weight, date and time. Only with KERN printers.		

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: