



High-resolution precision balance with removable display for maximum flexibility

Features

- Laboratory balance with separate platform: Ideal when working in the glove bag or fume cupboard. Particularly practical for weighing toxic, volatile or contaminated substances
- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **Freely programmable weighing unit**, e.g. display direct in special units such as length of thread g/m, paper weight g/m², or similar
- **Level indicator and levelling feet** for precise levelling of the scale, fitted as standard, to give the most accurate weighing result
- **1 Draught shield** standard for models with weighing plate size **A**, weighing space W×D×H 146×146×80 mm
- **Protective working cover** included with delivery

Technical data

- Large backlit LCD display, digit height 21 mm
- Dimensions weighing surface
 - A** Ø 105 mm
 - B** W×D 160×160 mm
- Weighing plate material
 - A** plastic, with conductive lacquer
 - B** stainless steel
- Dimensions of display device W×D×H 140×46×75 mm
- Optional battery operation, 9 V block not included, operating time up to 12 h, AUTO-OFF function to preserve the battery
- Overall dimensions W×D×H 165×280×75 mm
- Cable length of display device approx. 1,2 m
- Net weight approx. 1,2 kg
- Permissible ambient temperature 5 °C/35 °C

Accessories

- **Protective working cover** over the display device, scope of delivery: 5 items, KERN PCD-A05S05
- **2 Stand** to elevate display device, height of stand approx. 250 mm, KERN PCD-A03
- **Rechargeable battery pack internal**, operating time up to 24 h without backlight, charging time approx. 10 h,
- **3 Foot switch**, ideal when the application requires two free hands. TARE or PRINT function can be selected. Scope of delivery: foot switch, junction box, connection cable. For the PRINT function you will need the RS-232 interface cable, KERN YKF-01 KERN PCD-A04
- **RS-232/Ethernet adapter** for connection to an IP-based Ethernet network, KERN YKI-01
- **Individual header data**: the free software can be used to print 4 header lines on the printout when using printers 911-013, YKN-01, YKB-01N, YKE-01 and YKC-01 (in combination with YKI-02)
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD



OPTION



Model	Weighing range [Max] g	Readout [d] g	Reproducibility g	Linearity g	Weighing plate	Quality code	Option	
							DAkkS Calibr. Certificate	DKD KERN
KERN PCD 250-3	250	0,001	0,002	± 0,005	A	AA	963-127	
KERN PCD 300-3	350	0,001	0,002	± 0,005	A	AA	963-127	
KERN PCD 2500-2	2500	0,01	0,02	± 0,05	B	BA	963-127	
KERN PCD 3000-2	3500	0,01	0,02	± 0,05	B	BA	963-127	
KERN PCD 6K-4	6000	0,1	0,1	± 0,3	B	BA	963-128	
KERN PCD 10K0.1	10000	0,1	0,1	± 0,3	B	BA	963-128	
KERN PCD 10K-3	10000	1	1	± 3	B	BA	963-128	

KERN Pictograms

 CAL INT Internal adjusting: Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)	 GLP INTERN GLP/ISO log: The balance displays serial number, user ID, weight, date and time, regardless of a printer connection	 UNDER Suspended weighing: Load support with hook on the underside of the balance
 CAL EXT Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required	 GLP PRINTER GLP/ISO log: With weight, date and time. Only with KERN printers	 BATT Battery operation: Ready for battery operation. The battery type is specified for each device
 MEMORY Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.	 PCS Piece counting: Reference quantities selectable. Display can be switched from piece to weight	 ACCU Rechargeable battery pack: Rechargeable set
 ALIBI Alibi memory: Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.	 RECIPE A Recipe level A: The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out	 MULTI 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
 RS 232 Data interface RS-232: To connect the balance to a printer, PC or network	 RECIPE B Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display	 230 V Mains adapter: 230V/50Hz in standard version for EU. On request GB, USA or AUS version available
 RS 485 RS-485 data interface: To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible	 RECIPE C 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	 230 V Power supply: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request
 USB USB data interface: To connect the balance to a printer, PC or other peripherals	 SUM Totalising level A: The weights of similar items can be added together and the total can be printed out	 DMS Weighing principle: Strain gauges Electrical resistor on an elastic deforming body
 BT Bluetooth* data interface: To transfer data from the balance to a printer, PC or other peripherals	 PERCENT Percentage determination: Determining the deviation in % from the target value (100 %)	 T-FORK Weighing principle: Tuning fork A resonating body is electromagnetically excited, causing it to oscillate
 WLAN WLAN data interface: To transfer data from the balance to a printer, PC or other peripherals	 UNIT 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	 FORCE Weighing principle: Electromagnetic force compensation Coil inside a permanent magnet. For the most accurate weighings
 SWITCH Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.	 TOL Weighing with tolerance range: (Check-weighing) Upper and lower limiting can be programmed individually, e.g. for sorting and dosing. The process is supported by an audible or visual signal, see the relevant model	 SC TECH Weighing principle: Single cell technology Advanced version of the force compensation principle with the highest level of precision
 DUAL Interface for second balance: For direct connection of a second balance	 MOVE Hold function: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value	 M +3 DAYS Verification possible: The time required for verification is specified in the pictogram
 LAN Network interface: For connecting the scale to an Ethernet network	 IP Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram.	 DAkkS +3 DAYS DAKkS calibration possible (DKD): The time required for DAKkS calibration is shown in days in the pictogram
 RC Wireless data transfer: between the weighing unit and the evaluation unit using an integrated radio module	 INOX Stainless steel: The balance is protected against corrosion	 1 DAY Package shipment: The time required for internal shipping preparations is shown in days in the pictogram
 KCP KERN Communication Protocol (KCP): It is a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other digital systems		 2 DAYS Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram

KERN – Precision is our business

To ensure the high precision of your balance KERN offers you 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

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