

Analytical balances KERN ADB

NEW



The price leader in analytical balances

Features	Technical data	Accessories
<ul style="list-style-type: none"><li>• Optimised price performance ratio, ideal for laboratories, universities, schools</li><li>• <b>Large glass draught shield</b> with 3 sliding doors for easy access to the items being weighed. Also ideal for large, light samples such as polystyrene, tissue, plastic parts, etc.</li><li>• The <b>wired display device</b> can be adjusted differently to suit the ergonomic requirements of the user or the workplace. In addition, it eliminates any heat effect on the weighing system from the display device</li><li>• <b>Ergonomically optimised keypad</b> for left and righthanded users</li><li>• <b>Percentage determination</b>: makes it possible to store a given weight value (100 %) and to determine deviations from this target value</li><li>• <b>Adjusting program CAL</b>, external test weights at an additional price, see page 188 ff.</li></ul>	<ul style="list-style-type: none"><li>• Large backlit LCD display with digit height 19,6 mm</li><li>• Dimensions of weighing plate, stainless steel, Ø 90 mm</li><li>• Overall dimensions WxDxH 190x475x295 mm</li><li>• Weighing space WxDxH 215x205x295 mm</li><li>• External mains adapter standard, EU, GB, AUS</li><li>• Cable length of display device approx. 0,5 m</li><li>• Permissible ambient temperature 10 °C / 30 °C</li><li>• Net weight approx. 6 kg</li></ul>	<ul style="list-style-type: none"><li>• <b>Protective working cover</b>, standard. Can be re-ordered, scope of delivery 5 pieces, KERN ADB-A01S05</li><li>• <b>1 Ioniser</b> to neutralise electrostatic charge, see page 183, KERN YBI-01</li><li>• <b>2 Weighing table</b> to absorb vibrations and oscillations, which would otherwise distort the weighing result, see page 183, KERN YPS-03</li><li>• <b>3 Precious stones plate</b>, aluminium with practical spout, WxDxH 83x66x23 mm, weighing space, KERN AEJ-A05</li><li>• <b>Suitable printers</b> and further, extensive accessories from page 177</li></ul>

STANDARD

CAL EXT

RS 232

GLP  
PRINTER

PCS

PERCENT

UNIT

MULTI

FORCE

1 DAY



































3 YEARS  
WARRANTY

OPTION

DAkKS  
+3 DAYS

Model	Weighing range	Readout	Reproducibility	Linearity	Min. piece weight Counting mg/piece	Option DAkKS Calibr. Certificate	
						DKD KERN	
KERN ADB 200-4	[Max] g 210	[d] mg 0,1	mg 0,2	mg ± 0,4	0,1	963-101	

# KERN Pictograms:

 <b>Internal adjusting:</b> Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).	 <b>Piece counting:</b> Reference quantities selectable. Display can be switched from piece to weight.	 <b>Suspended weighing:</b> Load support with hook on the underside of the balance.
 <b>Adjusting program CAL:</b> For quick setting up of the balance's accuracy. External adjusting weight required.	 <b>Recipe level A:</b> Separate memory for the weight of the tare container and the recipe ingredients (net total).	 <b>Battery operation:</b> Ready for battery operation. The battery type is specified for each device.
 <b>Memory:</b> Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.	 <b>Recipe level B:</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.	 <b>Rechargeable battery pack:</b> Rechargeable set.
 <b>Alibi memory:</b> Electronic archiving of weighing results, complying with the 2009/23/EC standard.	 <b>Recipe level C:</b> 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.	 <b>Universal mains adapter:</b> with universal input and optional input socket adapters for A) EU, GB B) EU, GB, CH, USA C) EU, GB, CH, USA, AUS
 <b>Data interface RS-232:</b> To connect the balance to a printer, PC or network.		 <b>Mains adapter:</b> 230V/50Hz in standard version for EU. On request GB, USA or AUS version available.
 <b>RS-485 data interface:</b> To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.	 <b>Totalising level A:</b> The weights of similar items can be added together and the total can be printed out.	 <b>Power supply:</b> Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request.
 <b>USB data interface:</b> To connect the balance to a printer, PC or other peripherals.	 <b>Totalising level C:</b> 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.	 <b>Weighing principle: Strain gauge</b> Electrical resistor on an elastic deforming body.
 <b>Bluetooth* data interface:</b> To transfer data from the balance to a printer, PC or other peripherals.		 <b>Weighing principle: Tuning fork</b> A resonating body is electromagnetically excited, causing it to oscillate.
 <b>WLAN data interface:</b> To transfer data from the balance to a printer, PC or other peripherals.	 <b>Percentage determination:</b> Determining the deviation in % from the target value (100 %).	 <b>Weighing principle: Electromagnetic force compensation</b> Coil inside a permanent magnet. For the most accurate weighings.
 <b>Control outputs (optocoupler, digital I/O):</b> To connect relays, signal lamps, valves, etc.	 <b>Weighing units:</b> 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.	 <b>Weighing principle: Single cell technology</b> Advanced version of the force compensation principle with the highest level of precision.
 <b>Interface for second balance:</b> For direct connection of a second balance.	 <b>Weighing with tolerance range:</b> Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning.	 <b>Verification possible:</b> The time required for verification is specified in the pictogram.
 <b>Network interface:</b> For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.	 <b>Hold function:</b> (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.	 <b>DAkKS calibration possible (DKD):</b> The time required for DAkKS calibration is shown in days 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: