

Analytical balance KERN ABP series

Premium analytical balance with the new single-cell generation for highly fast and stable weighing results

Features

- This new generation of analytical balances combines maximum precision with large weighing ranges. Thanks to the new single-cell generation, the weighing result is displayed in a fraction of the time compared to comparable models. Together with the intuitively structured menu, it ensures efficient and quick work

- Navigation platform for maximum speed of menu selection

Automatic internal adjustment with thermal changes $\geq 1^\circ \text{C}$ or chronological command every 4 h, guarantees high precision and makes operation independent of the place of installation

- The minimum weight can be stored manually in the device or calculated automatically. For weighings below this value, the balance issues a warning message

- Dosing support: High stability mode and other selectable filter settings

- Convenient for the composition of mixtures / documentation with combined tare / print function. In addition, the components of the mixture are automatically numbered and printed with the respective number / weight value

Custom user settings that can be stored for up to 10 users: Username / user number (can be printed for each job or added to the data record), password, menu language, user profiles, request for user settings via barcode, additional guest mode for non-logged in users, permissions, eg. balance registration, modification of settings or creation or modification of a mixture only by the authorized person and execution of the composition of mixtures by the user

US FDA 21 Part 11: Supports data integrity according to US FDA 21 Part 11 (e.g. (weighing result, sample ID, user name, balance ID, ...))

- Menu language DE, EN

- Automatic output of data to printer / PC with stable weight

- Large glass windshield with 3 sliding doors for easy access to the product to be weighed.

- KERN ABP-DM: Multifunction weighing pan supplied, minimizes the effect of air currents in the weighing space and thus significantly improves the stabilization time and repeatability. In addition, protruding samples, test paper, microcentrifuge tubes and much more can be conveniently fixed and weighed without problems

- Rigid protective cover included in the supply

Leading Single-Cell Technology:

- Automatic production of the load cell from a single unit



- Stable reaction to temperature changes
Short stabilization period: stable weighing values in only approx. 2 s (models with [d] = 0.1 mg), approx. 8 s (models with [d] = 0.01 mg) under laboratory conditions
- High mechanical strength
- High safety in cases of off-center loading

Technical data

Self-illuminating OLED display, digit height 14 mm, bright with high contrast, for convenient reading of the measured value even in low light conditions

- Weighing surface dimensions 91 mm

Scale dimensions (including windshield) W × D × H, 213 × 433 × 344 mm

Weighing chamber W × D × H 166 × 156 × 220 mm

Net weight approx. 8 kg

- Permissible ambient temperature 10 ° C / 30 ° C

Accessories on request

- Protective hard cover, supply 5 pieces, KERN YBA-A06S05

Set for density determination of liquids and solids with density $\leq / \geq 1$, density displayed directly on the display, KERN YDB-03

- Windproof rear panel with integrated ionizer to neutralize electrostatic charge. It is mounted in place of the existing glass rear wall of the windshield. Suitable for all models of the KERN ABP series, please order it together with your balance, supplied with rear wall, ionizer, power supply. Factory Option, KERN ABP-A01

USB barcode scanner, manual version, dimensions W × D × H 152 × 84 × 63 mm, KERN PET-A09

USB keyboard for convenient entry of articles, dimensions W × D × H 440 × 128 × 24 mm, KERN PET-A06

Weighing table to absorb shocks and vibrations, which could otherwise falsify the weighing result, KERN YPS-03

Minimum weight, smallest weight to be weighed, depending on the desired process accuracy, only in conjunction with the DAKKS calibration certificate, KERN 969-103

Appliance qualification: regulatory compliant qualification concept, which includes the following validation services, installation qualification (IQ), operational qualification (OQ), KERN 961-231B

On demand:

- Version with integrated ionizer and internal draft shield (Excluding code K3ABP104 - ABP 100-4M)
- DAKKS certificate (code K3963101)
- "M" approval certificate (code K3965201)

Note: For use with an approval requirement, please order the approval together with the balance; it is not possible to carry out a first approval at a later date.

For approval, we require the full address of the place of use.

Code	Description	Max flow rate g	Division mg	Homolog. Division mg	Minimum load mg	Reproducibi lity mg	Linearity ± mg
K3ABP104	KERN laboratory balance mod. ABP 100-4M	120	0,1	1	10	0,1	0,2
K3ABP105	KERN laboratory balance mod. ABP 100-5DM	52-120	0,01-0,1	1	1	0,02-0,1	0,05-0,2
K3ABP106	KERN laboratory balance mod. ABP 100-5M	135	0,01	1	1	0,05	0,2
K3ABP204	KERN laboratory balance mod. ABP 200-4M	220	0,1	1	10	0,1	0,2
K3ABP205	KERN laboratory balance mod. ABP 200-5DM	102-220	0,01-0,1	1	1	0,05-0,1	0,1-0,2
K3ABP206	KERN laboratory balance mod. ABP 200-5M	220	0,01	1	1	0,05	0,2
K3ABP304	KERN laboratory balance mod. ABP 300-4M	320	0,1	1	10	0,2	0,3