

**Premium analytical balance with the latest Single-Cell Generation for extremely rapid, stable weighing results**



**1** The internal draught shield minimises the effect of currents of air in the weighing chamber and therefore significantly improves the stabilisation time and repeatability, see *Accessories*

**2** Extremely fast ionization process, thanks to the latest generation of KERN ionization technology to neutralise electrostatic charge, see *Accessories*

GLP/ISO record keeping: professional, detailed GLP Protocol, so that the balance is completely compliant with the relevant standard requirements in accordance with ISO, GLP and GMP

**Features**

- Large glass draught shield with 3 sliding doors for easy access to the items being weighed
- Navigation pad for quick navigating through the menus
- Automatic internal adjustment in the case of a change in temperature  $\geq 1$  °C or timecontrolled every 4 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- The minimum weight of sample can be manually stored in the device or automatically calculated. For weighings below this value, the balance issues a warning message
- Dosage aid: High stability mode and other filter settings can be selected
- Simple recipe weighing and documenting with a combined tare/print function. In addition, the ingredients for the recipe are numbered automatically and printed out with their corresponding number and nominal weight
- Individual settings can be stored for up to 10 users: User name/number, password, menu language, user profile. Settings can be recalled using the barcode. Guest mode for users who are not logged in, specific permissions (e.g. for adjustment, recipe changes) only for authorised users
- RS-232 data interfaces and USB (device) for transferring weighing data and USB (host) to connect a USB keyboard
- U.S. FDA 21 Part 11: assists in data integrity in accordance with U.S. FDA 21 Part 11 (for example weighing result, sample ID, user name, scales ID, ...)
- Menu languages DE, EN
- Automatic data output to the PC/printer each time the balance is steady

• Standard for models with [d] 0,01 mg:

- Multi-function weighing plate included with delivery, minimises the effect of currents of air in the weighing chamber and therefore significantly improves the stabilisation time and repeatability. In addition samples, sample paper, PCR containers, micro centrifuge tubes and many other items which protrude can be easily fixed in place and weighed easily
- ABP 200-5M: Erlenmeyer flask holder included with delivery
- Protective working cover included with delivery

**Technical data**

- Luminescent OLED display, digit height 12 mm bright with high contrast, for easy reading of the weight, even in poor lighting conditions
- Dimensions weighing surface, stainless steel,  $\varnothing$  91 mm
- Overall dimensions WxDxH 220x370x350 mm
- Net weight approx. 8 kg
- Permissible ambient temperature 10 °C/30 °C

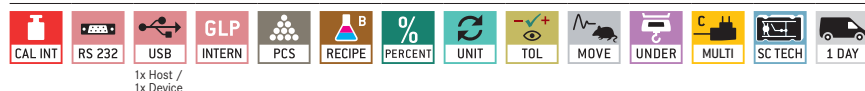
**Accessories**

- Protective working cover, scope of delivery 5 items, KERN YBA-A06S05
- Set for density determination of liquids and solids with density  $\leq/\geq 1$ , the density is indicated directly on the display, KERN YDB-03
- **1** Internal draught shield made of glass, KERN ABP-A02
- **2** Ioniser to neutralise electrostatic charge. Suitable for all models in the ABP range. Please order together with the balance you want so that it can be fitted into the rear panel of the balance, KERN ABP-A01
- USB barcode scanner, hand-held version, dimensions WxDxH 152x84x63 mm, KERN PET-A09
- Minimum weight of sample, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103
- Equipment qualification: compliant qualification concept with Installation and Operating Qualification (IQ, OQ), for details see page 232
- Further details, plenty of further accessories and suitable printers see *Accessories*

Single-cell advanced technology:

- Fully automatic manufactured weighing cell from one piece of material
- Stable temperature behaviour
- Short stabilisation time: steady weight values within approx. 2 s (models with [d] = 0,1 mg), approx. 8 s (models with [d] = 0,01 mg) under laboratory conditions
- Shock proof construction
- High corner load performance

STANDARD



OPTION

FACTORY



Model	Weighing capacity [Max]	Readability [d]	Verification value	Minimal load	Reproducibility	Linearity	Options	
							Verification	DAkkS Calibr. Certificate
<b>KERN</b>	g	mg	mg	mg	mg	mg	<b>M I</b> KERN	<b>DAkkS</b> KERN
<b>ABP 100-5M</b>	135	0,01	1	1	0,05	$\pm 0,1$	965-201	963-101
<b>ABP 200-5M</b>	220	0,01	1	1	0,015	$\pm 0,1$	965-201	963-101
<b>ABP 100-4M</b>	120	0,1	1	10	0,1	$\pm 0,2$	965-201	963-101
<b>ABP 200-4M</b>	220	0,1	1	10	0,1	$\pm 0,2$	965-201	963-101
<b>ABP 300-4M</b>	320	0,1	1	10	0,15	$\pm 0,3$	965-201	963-101
Multi-division balance, with increasing or decreasing load, it switches automatically to the next largest or smallest weighing range [Max] and readout [d].								
<b>ABP 100-5DM</b>	52   120	0,01   0,1	1   1	1	0,02   0,1	$\pm 0,05$   0,2	965-201	963-101
<b>ABP 200-5DM</b>	102   220	0,01   0,1	1   1	1	0,05   0,1	$\pm 0,1$   0,2	965-201	963-101

Note: For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order. The initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification.