



Standard

-  **Internal adjusting (CAL):** Quick setting of the balance's accuracy with internal adjusting weight (motor-driven).
-  **Piece counting:** Reference quantities selectable. Display can be switched from piece to weight.
-  **Data interface:** The type of interface is shown by the pictogram. For a definition, see page 88.
-  **GLP/ISO record keeping** of weighing data with date, time and ident.-no. Only with printers from KERN, see page 88.
-  **Net-total weighing:** weight of tare cup and weight of components memorized in two separate stores.
-  **Percentage determination:** Displays the deviation from the reference weight (100%) in % instead of grams.
-  **Suspended weighing:** load support with hook on the underside of the balance.
-  **Weighing units:** can be switched to e.g. non-metric units at the touch of a key. See balance model.
-  **Weighing with tolerance range:** Upper and lower limiting can be programmed individually, e.g. dosing / sorting.
-  **Animal weighing program:** strong vibrations are filtered out.
-  **Mains adapter:** 230 V/50Hz in standard version for Germany. On request GB, AUS or USA version.

KERN ALT Analytical balance

Analytical balances with graphic display, now available in half-micro models

Order Hotline: Go to back page of catalogue

STANDARD

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User guidance

Step by Step on the display. Selectable languages: GB, F, D, I, E, PL

Backlit LCD Graphic display

digit height 20 mm

 Delivery 1 day

 3 Years Warranty

 Force compensation

OPTION
 Verification +7 days

 DKD Certificate +4 days

 Price reduction


 New models

Fig.: Net weighing mode

- 1 Target weight 100.0000 g
- 2 Current net weight
- 3 Remaining filling quantity to 100 g
- 4 Capacity display
- 5 Weighing-in aid coarse /fine

Extensive memories including 200 memories for reference quantities, 20 memories for target weights or recipe ingredients, etc.



Standard printer KERN YKB-01

For all printers see page 88

GLP/ISO record keeping

Printout from printer KERN YKB-01

```
Automatic calibration report
Date       : 19/10/2006
Time      : 12:59:10
Balance id : 83295
Difference : -0.0005 g
Name      : Paul Schmid
```

* of last calibration

Set for density determination of liquids and solids. Step-by step user guidance, density is indicated directly on the display
For details see page 29, **KERN ALS-A01**

Easy control of the balance
PC keyboard use possible

Extensive statistics functions for details see KERN Website

Automatic internal adjustment CAL
Automatic adjustment takes place if there is a change in temperature or time controlled with defined intervals

Protective working cover over key pad, standard. Can be reordered for models with housing depth
D=330 mm: **ALS-A01**
D=500 mm: **ALT-A01**

Compact housing** depth D=330 mm, only on models: ALT 160-4NM, ALT 220-4NM. Remaining models* D=500 mm

Model KERN	Weighing range Max g	Read-out d mg	Verif. value e mg	Min. load Min mg	Repro-ducibility mg	Linearity mg	Weighing plate	OPTION alternative		
								Verifica- tion KERN	M I Certifi- cate KERN	DKD
ALT 160-4NM	160	0,1	1	10	0,1	± 0,2	A	950-101	I	963-101
ALT 220-4NM	220	0,1	1	10	0,1	± 0,2	A	950-101	I	963-101
ALT 310-4AM	310	0,1	1	10	0,1	± 0,3	B	950-101	I	963-101
ALT 220-5DAM	60	0,01	1	1	0,02	± 0,1	A	950-101	I	963-101
	220	0,1			0,1	± 0,2				
ALT 100-5AM	100	0,01	1	10	0,03	± 0,10	A	950-101	I	963-101

I Factory verification, location of use with post code required, Permitted environmental temperature +18 ... +30 °C.
* Overall dimensions WxDxH 205x500x290, weighing space WxDxH 170x170x232 in mm, Net weight approx. 9 kg.
** Overall dimensions WxDxH 206x330x335, Weighing space WxDxH 174x165x225 in mm, Net weight approx. 6.3 kg.

UNITS Further weighing units: see the internet.

KERN - Your DKD-Calibration Partner

issues DKD calibration certificates for balances and test weights in its own accredited laboratories. It is internationally valid.

KERN is a manufacturer of test weights in the International classes of accuracy E1, E2, F1, F2, M1, M2, M3, from 1 mg up to 2000 kg

DKD = German Calibration Service

