



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 85.
- GLP/ISO record keeping** of weighing data with date, time and ident.-no. Only with printers from KERN, see page 85.
- 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

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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

- 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 85

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 with density ≥ 1 . 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 the internet

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	Reproducibility mg	Linearity mg	Weighing plate	OPTIONS alternative			
								Veri- cation KERN	M I	Certi- cate KERN	DKD
ALT 160-4NM	160	0,1	1	10	0,1	$\pm 0,2$	A	950-101	1	963-101	
ALT 220-4NM	220	0,1	1	10	0,1	$\pm 0,2$	A	950-101	1	963-101	
ALT 310-4AM	310	0,1	1	10	0,1	$\pm 0,3$	B	950-101	1	963-101	
ALT 220-5DAM	60	0,01	1	1	0,02	$\pm 0,1$	A	950-101	1	963-101	
	220	0,1			0,1	$\pm 0,2$					
ALT 100-5AM	100	0,01	1	1	0,03	$\pm 0,10$	A	950-101	1	963-101	

1 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



Your KERN specialist dealer