













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 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.

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Multifunctional laboratory balance with modern graphic display

KERN PLT Precision balance

-  Delivery 1 day
-  3 Years warranty

OPTION

-  Verification ≥ 7 days
-  DKD Certificate ≥ 4 days



Set for density determination

of liquids and solids with density ≥ 1 , only suitable for models with readout $d = 0.001$ g. The calculated density is indicated directly on the display, **KERN PLS-A01**

Input through balance or PC keyboard

piece counting reference while in piece counting mode (400 memory units), target weights in weighing mode, as well as mixture components (20 memory units), limiting values in g or % by weighing with tolerance range



Draft shield

standard, made from glass with metal cover for all models with readout $d = 0.001$ g, weighing space WxDxH 140x140x65 mm

Protective working cover

over keyboard and housing, standard. Can be reordered, for weighing plate sizes

- A:** KERN PLS-A02
- B:** KERN PLS-A03

Statistical functions

possible for display values in g, pieces or %.

Example: parts counting

N : 4	Number of weighing proc.
SUM : 54	Total of all weighing values
X : 14	Average value
MIN : 6	Smallest value
MAX : 22	Largest value
D : 16	MAX-MIN
SDU : 7	Standard deviation

User guidance

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

Automatic internal adjustment

Automatic in the case of a change in temperature > 3 °C or time controlled after 3 h

GLP/ISO record keeping

Print image KERN YKB-01

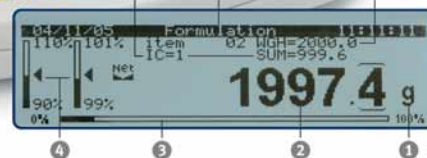
Automatic calibration report

Date : 19/10/2007
Time : 12:59:10
Balance Id : 83295
Difference \blacklozenge : -0.0005 g
Name : Paul Schmid
 \blacklozenge to last calibration

Metal housing
robust and sturdy

STANDARD

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Backlit LCD graphic display

digit height 20 mm.

Fig. shows mixture with two components

- 1 Unit grams
- 2 Present weight of second with a target weight of 2000 g
- 3 Capacity display
- 4 Weigh-in aid coarse/fine
- 5 Firstly weighed component (999.6 g)
- 6 Status bar „date, mixture, time“
- 7 Second component with target weight 2000 g

Standard printer KERN YKB-01

For all printers see page 85.

Model	Read-out d g	Weighing range Max g	Verific. value e g	Min. load Min g	Repro-ducibility g	Linearity g	Weighing plate	OPTION alternative	Verifi- cation KERN	Certi- cate KERN	DKD
KERN											
PLT 450-3M	0,001	450	0,01	0,02	0,001	$\pm 0,001$	A	950-116	1	963-127	
PLT 650-3M	0,001	650	0,01	0,02	0,001	$\pm 0,001$	A	950-116	1	963-127	
PLT 2000-3DM*	0,001 0,01	200 2000	0,01 0,1	0,02 0,5	0,001 0,01	$\pm 0,001$ $\pm 0,01$	A	950-116	1	963-127	
PLT 6000-3D*	0,001 0,01	600 6000	— —	— —	0,002 0,02	$\pm 0,002$ $\pm 0,02$	B	—		963-128	
PLT 2500-2M	0,01	2500	0,1	0,5	0,01	$\pm 0,01$	B	950-116	1	963-127	
PLT 4500-2M	0,01	4500	0,1	0,5	0,01	$\pm 0,01$	B	950-116	1	963-127	

1 Factory verification, location of use with post code required.

* Dual-range balance

Overall dimensions (without draft shield) WxDxH 206x330x80 mm

Net weight approx. 5.7 kg. Permitted environmental temperature $+15 \dots +30$ °C.

PCS piece counting with reference quantities of 10, 20, 50, 100, n pcs.

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