

# Labor

# PLS • PLJ • PLB

Precision balance

**DIRECT SCALE**  
www.direct-scale.com



## Standard

- Internal adjusting (CAL):** Quick setting of the balance's accuracy with internal adjusting weight (motor-driven).
- Adjusting program (CAL):** For quick setting of the balance's accuracy. External adjusting weight required.
- 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.
- Percentage determination:** Displays the deviation from the reference weight (100%) in % instead of grams.
- 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.
- Suspended weighing:** load support with hook on the underside of the balance.
- Rechargeable battery pack:** rechargeable set.
- Mains adapter:** 230 V/50Hz in standard version for Germany. On request GB, AUS or USA version.

Order Hotline:  
Go to back page of catalogue

Excellent performance for a very fair price

**KERN PLS • PLJ • PLB**  
Precision balance

- Delivery 1 day
- 3 Years warranty

- OPTION**
- Verification +7 days only PLJ
  - Certificate +4 days

**Backlit LCD display**  
digit height 17 mm



**Set for density determination** of liquids and solids, only suitable for models with read-out  $d = 0,001$  g. The density is indicated directly on the display. Details see page 29, **KERN PLS-A01**

only PLB: **Rechargeable battery pack** internal, standard, operating time approx. 35 h, charging time approx. 8 h. AUTO-OFF after 5 min to preserve the battery

- Price reduction
- New models



**Metal housing**  
robust and sturdy

- STANDARD**
- only PLJ
  - only PLB, PLS
  - 
  - 
  - only with printer
  - 
  - only PLB
  - 
  - only PLB
  -

**Protective working cover** standard. Can be reordered, for weighing plate sizes **A: KERN PLS-A02** **B: KERN PLS-A03**

only PLS/PLJ: **Last digit** can be faded out in order to accelerate weighing results



**Draft shield** standard, glass with metal top for all models with weighing plate size [A]. Weighing space WxDxH 140x140x65 mm

only PLJ: **Automatic internal adjustment** Time controlled, every 3 h or in case of a change in temperature > 3°C



**Statistics printer** KERN YKT-01

**Standard printer** KERN YKB-01  
For all printers see page 88

Model	Weighing range	Read-out	Verify.	Repro-ducibility	Linearity	Weighing plate	OPTIONS alternative			
							Verify.	Certificate	Balance test weight	Certificate
PLS 360-3	360	0,001	-	0,001	± 0,002	A		-127	2768	-438
PLS 510-3	510	0,001	-	0,001	± 0,003	A		-127	1709	-339
PLB 1000-2	1000	0,01	-	0,01	± 0,02	A		-127	2771	-441
PLS 2100-2	2100	0,01	-	0,01	± 0,02	B		-127	2772	-442
PLS 4000-2	4000	0,01	-	0,01	± 0,03	B		-127	2772	-442
PLB 10000-1	10000	0,1	-	0,1	± 0,2	B		-128	2774	-444
<b>Verifiable</b>							<b>1 Factory verification</b>			
PLJ 360-3M	360	0,001	0,01	0,001	± 0,002	A	1 -116	-127	-	-
PLJ 510-3M	510	0,001	0,01	0,001	± 0,003	A	1 -116	-127	-	-
PLJ 2100-2M	2000	0,01	0,1	0,01	± 0,02	B	1 -116	-127	-	-
PLJ 4000-2M	4000	0,01	0,1	0,01	± 0,03	B	1 -116	-127	-	-

**1 Factory verification**, location of use with post code required.  
Overall dimensions (without draft shield) WxDxH 206x330x98 mm.  
Net weight approx. 5 kg. \*non verifiable.

Permitted environmental temperature +15 ... +30 °C.  
**PCS** piece counting with reference quantities of 10, 20, 50, n pieces.  
**UNITS** Further weighing units (only PLB, PLS): see the internet. **23**

## 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**

