



### 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 85.
- GLP/ISO record keeping** of weighing data with date, time and ident.-no. Only with printers from KERN, see page 85.
- 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.
- Suspended weighing:** load support with hook on the underside of the balance.
- Mains adapter:** 230 V/50Hz in standard version for Germany. On request GB, AUS or USA version.

### KERN ALS•ALJ Analytical balance

Precision and price down to a point

Order Hotline:  
Go to back page of catalogue

#### STANDARD

only ALJ

only ALS

only with printer 1

**Carat switch-over**  
from g to ct possible, e.g.

Model	d	Max
KERN	ct	ct
ALJ 160-4NM	0,001	800
ALJ 220-4NM	0,001	1100

The carat display is also verifiable.

**NEW:** now with a modern glass draft wind shield for optimal visibility of the weighing object



**Set for density determination** of liquids and solids with density  $\geq 1$ .  
**KERN ALS-A01**

**Density determination** of liquids and solids. Step by step user guidance, the calculated density is indicated directly on the display. Note: See also "Interesting facts about density determination" on page 29

**Backlit LCD display**  
digit height 17 mm

**Automatic internal adjustment**  
only KERN ALJ: Time controlled, every 3 h or in case of a change in temperature  $> 3^{\circ}\text{C}$ .

**User guidance**  
Step by step on the display

**Protective working cover**  
over key pad and housing, standard. Can be reordered, **KERN ALS-A02**

**Last digit**  
can be faded out in order to accelerate weighing results

**Statistics printer**  
**KERN YKT-01**

**Standard printer**  
**KERN YKB-01**  
For all printers see page 85

**Delivery 1 day**

**3 Years warranty**

**Force compensation**

**OPTION**  
 **Verification +7 days**

**Certificate +4 days**

Model KERN	Weighing range Max g	Read-out d mg	Verific. value e mg	Repro-ducibility b mg	Linea-arity l mg	Stainless steel weighing plate B	OPTIONS alternative			
							Verific. 950-xxx	M I Certificate 963-xxx	Balance test weight	Certificate 962-xxx
ALS 120-4N	120	0,1	-	0,2	$\pm 0,2$	B	-	-101	1707	-337
ALS 220-4N	220	0,1	-	0,2	$\pm 0,2$	B	-	-101	1708	-338
<b>Verifiable</b>							<b>1 Factory verification</b>			
ALJ 160-4NM	160	0,1	1	0,2	$\pm 0,2$	B	1	-101	-101	-
ALJ 220-4NM	220	0,1	1	0,2	$\pm 0,2$	B	1	-101	-101	-
ALJ 310-4N	310	0,1	-	0,1	$\pm 0,3$	B	-	-	-	-
ALJ 220-5DNM	60	0,1	1	0,02	$\pm 0,1$	A	1	-101	-101	-
	220	0,01		0,1	$\pm 0,2$					

**1** Factory verification, location of use with post code required.  
Overall dimensions (incl. draft shield) WxDxH 210x330x335.  
**30** Weighing space WxDxH 174x165x225 mm. Net weight approx. 6.3 kg.

Permitted environmental temperature  $+18 \dots +30^{\circ}\text{C}$ .  
PCS piece counting with reference quantities of 10, 20, 50, n pieces.  
**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