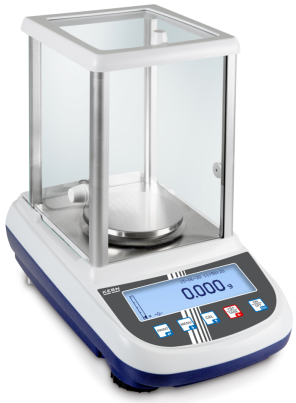
KERN **PLJ 2000-3A**

Range of precision balances with enormous weighing capacities – ideal for heavy tare containers or large samples



Date of creation: 24.10.2026

Category

Brand	KERN
Product category	Laboratory balance
Product group	Precision balance
Product family	PLJ

Measuring System

Weighing system	Force compensation
Weighing capacity [Max]	2100 g
USP Minimum weight of sample (k = 2, U = 0.1%)	4 g
Readability [d]	0,001 g
Automatic adjustment - Standard temperature deviation	1,2 °C
Reproducibility	0,002 g
Linearity	± 0,004 g
Resolution	2.100.000
Tare range	2100 g
Adjustment options	Internal calibration (automatic)
Recommended adjusting weight	2 kg (E2)
Stabilization time	2 s
Eccentric loading at 1/3 [Max]	0,005 g
Weighing capacity [Max] (ct)	10500 ct
Construction type of the scale	Single-range balance
Units	g mg gn dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg
Default unit	g
Warm-up time	8 h

Display

Display type	LCD graphic
Display backlight	✓
Display screen size	132×38 mm
Display digit height - smallest digit	4 mm
Display digit height	15 mm
Languages of the user interface	English

Construction

Dimension housing (W×D×H)	210×340×330 mm
Dimensions completely mounted (W×D×H)	210×340×330 mm
Dimensions rectangular draught shield - inner (W×D×H)	160×170×225 mm
Dimensions rectangular draught shield - outer (W×D×H)	172×185×245 mm
Dimensions weighing surface (Ø)	110 mm
Dimensions weighing surface	110 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	stainless steel
Material draught shield	glass
Level indicator	✓
Levelling feet adjustable	✓
Transport safety lock - bolt torque	0,1 Nm

Functions

Density determination	✓
PreTare function	✓
Percentage determination	✓
Standby function	✓
Function for averaging under unstable weighing conditions	✓
Tolerance weighing	✓
Time display	✓

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Counting function	✓
Capacity - Display	✓
Auto-off interval(s) in mains power mode	off 5 min 2 min 15 min
Tare function	manual (multi)
Underfloor weighing	Eye (included in delivery)
Counting resolution (laboratory conditions)	42.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	50 mg
Reference quantity	10, 25, 50, 100, input
Recipe/summing level	Rez B (Net-total, memory with plain text designations + setpoint, also for printout)
Recipe weighing - number of database entries	99
Recipe weighing - number of ingredients per database entry	20
Number of keys for operation	6
Smallest piece weight when piece counting - normal conditions	500 mg
Tolerance weighing - type of signal	acoustically visual

Interface

Interfaces	RS-232 standard

Power Supply

Supplied power supply	Power supply unit
Power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO AUS UK US CH
Plug-in power supply / adapter for countries - optional	EURO UK US CH
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Power supply cable removable	removable
Input voltage device / power [Max]	24 V 1 A
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 10,5 mm
Battery / accumulator type	Li-Metal
Battery capacity	210 mAh
Battery voltage	3 V
Battery – Number of cells	1
Battery – Individual weight	2,9 g
Battery – Total weight	2,9 g
Battery capacity (Wh)	0,63 Wh
Battery – Lithium content	66 mg

Environmental conditions

Ambient temperature [Min]	15 °C
Ambient temperature [Max]	35 °C
Humity of environment [Max]	80 %
Storage temperature [Max]	40 °C

Services (optional)

Article number for DAkkS calibration	963-103
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	515×400×615 mm
Shipping method	Parcel service
Net weight approx.	7 kg
Gross weight approx.	8 kg
Shipping weight	25,3 kg
Shipping volume weight	25,3 kg

Product information

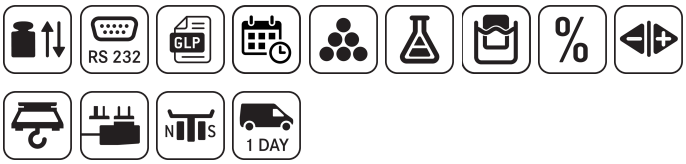
GTIN/EAN number	4045761243224
Trade number	90160010
Warranty Time	36 mon
REACH classification	no prohibited substances

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Pictograms

STANDARD



OPTION

