

# KERN PLJ 2000-3A

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



Automatic adjustment - Standard temperature deviation	1,2 °C
Stabilization time	2 s
Warm-up time	8 h
Eccentric loading at 1/3 [Max]	0,005 g
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg

## Approval

CE mark	✓
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## Display

Display type	LCD graphic
Display screen size	132×38 mm
Display backlight	✓
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 rectangular draught shield - inner (W×D×H)	160×170×225 mm
Dimensions rectangular draught shield - outer (W×D×H)	172×185×245 mm
Dimensions completely mounted (W×D×H)	210×340×330 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	Stainless steel
Material draught shield	glass
Dimensions weighing surface (Ø)	110 mm
Transport safety lock - bolt torque	0,1 Nm
Levelling feet adjustable	✓

## Functions

Number of keys for operation	6
	off
Auto-off interval(s) in mains power mode	5 min
	2 min
	15 min
Capacity - Display	✓
Time display	✓
PreTare function	✓
Tare function	manual (multi)
Density determination	✓
Percentage determination	✓
Counting function	✓

## Category

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

## Measuring System

Construction type of the scale	Single-range balance
Weighing system	Force compensation
Weighing capacity [Max]	2100 g
Weighing capacity [Max] (ct)	10500 ct
Readability [d]	0,001 g
Resolution	2.100.000
Linearity	± 0,004 g
Reproducibility	0,002 g
Tare range	2100 g
Default unit	g

Units	g
	mg
	gn
	dwt
	tl (Tw)
	tl (HK)
	ozt
	tl (Singap, Malays)
	ct
	mo
lb	
oz	

USP Minimum weight of sample (k = 2, U = 0.1%) 4 g

Adjustment options Internal calibration (automatic)

Recommended adjusting weight 2 kg (E2)

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Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
Standby function	✓
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
Underfloor weighing	Eye (included in delivery)
Interfaces	RS-232 standard

## Counting

Smallest piece weight when piece counting - laboratory conditions	50 mg
Smallest piece weight when piece counting - normal conditions	500 mg
Counting reference weight can be entered	✓
Reference quantity	10, 25, 50, 100, n (any number of pieces)
Counting resolution (laboratory conditions)	42.000

## Power Supply

Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Input voltage device / power [Max]	24 V 1 A
Plug-in power supply type	Power adapter
Supplied power supply	Power supply unit
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

## Environmental conditions

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

## Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	515×400×615 mm
Net weight	6,5 kg
Shipping method	Parcel service
Net weight approx.	7 kg
Gross weight approx.	8 kg
Shipping weight	25,3 kg

## Services (optional)

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

## Pictograms

### STANDARD



### OPTION

