

# KERN PBJ 4200-2M



Multifunctional laboratory balance with single-cell weighing system, verification optional



Automatic adjustment - Standard time interval	4 h
Stabilization time	2,5 s
Warm-up time	4 h
Eccentric loading at 1/3 [Max]	0,05 g

## Approval

CE mark	✓
Pattern approval for conformity assessment	✓
Accuracy classe	II
Verification scale interval [e]	0,1 g
Verification scale interval [e] (ct)	1 ct
Conformity assessment possible ex works	✓

## Display

Display type	LCD
Display backlight	✓
Display digit height	14 mm

## Construction

Dimension housing (W×D×H)	209×322×78 mm
Dimensions weighing platform (W×D×H)	170×180×5 mm
Material display housing	Plastics
Material housing	cast aluminium
Material weighing plate	stainless steel
Dimensions weighing surface (W×D)	180×190 mm
Levelling feet adjustable	✓

## Functions

Number of keys for operation	6
Capacity display	✓
Time display	✓
PreTare function	✓
Tare function	manual (multi)
Density determination	✓
Dispensing function	✓
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	visual
Function for averaging under unstable weighing conditions	✓
Standby function	✓
Peak function	✓

## Category

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

## Measuring System

Conformity assessment possible	✓
Construction type of the scale	Single-range balance
Weighing system	Single-Cell
Weighing capacity [Max]	4200 g
Weighing capacity [Max] (ct)	21000 ct
Readability [d]	0,01 g
Readability carat [d] (ct)	0,1 ct
Resolution	420.000
Linearity	± 0,02 g
Reproducibility	0,01 g
Default unit	g
Units	kg g ct
Units (if device is conformity assessed)	kg g ct
Minimum weight [Min]	0,5 g
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Minimum weight [Min] (ct)	5 ct
Adjustment options	Internal calibration (automatic)
Automatic adjustment - Standard temperature deviation	1 °C

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Recipe/summing level	Rez A (Net total)
Underfloor weighing	Hook (included in delivery)
Interfaces	RS-232 standard

## Counting

Smallest piece weight when piece counting - laboratory conditions	10 mg
Smallest piece weight when piece counting - normal conditions	100 mg
Reference quantity	10, 25, 50, 100, n (any number of pieces)
Counting resolution (laboratory conditions)	420.000

## Power Supply

Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	12 V DC, 1000 mA
Supplied power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
Plug-in power supply / adapter for countries - optional	EURO AUS UK US CH

## Environmental conditions

Humidity of environment [Max]	80 %
Ambient temperature [Min]	10 °C
Ambient temperature [Max]	30 °C
Storage temperature [Min]	-10 °C
Storage temperature [Max]	50 °C

## Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	370×460×255 mm
Net weight	4,9 kg
Shipping method	Parcel service
Net weight approx.	5,0 kg
Gross weight approx.	7 kg
Shipping weight	8,7 kg

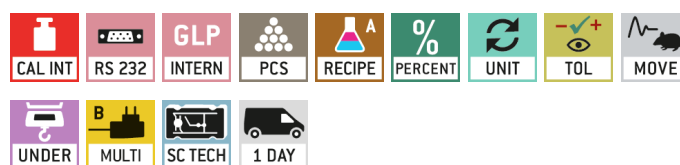
## Services (optional)

Article number for conformity assessment	965-216
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Article number for DAkkS calibration	963-127
Article number for certificate of conformity (verification)	969-517

## Pictograms

### STANDARD



### OPTION



### FACTORY

