

KERN PBJ 4200-2M

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



Units (if device is conformity assessed)	kg g
Conformity assessment possible	✓

Display	
Display type	LCD
Display backlight	✓
Display digit height	14 mm

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

Functions	
PreTare function	✓
Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Dispensing function	✓
Density determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	visual
Underfloor weighing	Hook (included in delivery)
Function for averaging under unstable weighing conditions	✓
Time display	✓
Capacity - Display	✓
Standby function	✓
Counting function	✓
Counting resolution (laboratory conditions)	420.000
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)
Peak function	✓
Tare function	manual (multi)

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

Measuring System	
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
Reproducibility	0,01 g
Linearity	± 0,02 g
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Minimum weight [Min]	0,5 g
Minimum weight [Min] (ct)	5 ct
Resolution	420.000
Adjustment options	Internal calibration (automatic)
Automatic adjustment - Standard temperature deviation	1 °C
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
Default unit	g
Units	kg g ct

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Number of keys for operation 6

Interface

Interfaces RS-232 standard

Power Supply

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

Input voltage power supply / power [Max] 220 V - 240 V AC, 50 Hz

Input voltage device / power [Max] 12 V DC, 1000 mA

Environmental conditions

Ambient temperature [Min] 10 °C

Ambient temperature [Max] 30 °C

Humidity of environment [Max] 80 %

Storage temperature [Min] -10 °C

Storage temperature [Max] 50 °C

Approval

CE mark ✓

Conformity assessment possible ex works ✓

Accuracy classe II

Verification scale interval [e] 0,1 g

Verification scale interval [e] (ct) 1 ct

Services (optional)

Article number for conformity assessment 965-216

Article number for DAkkS calibration 963-127

Article number for certificate of conformity 969-517

Packing & Shipping

Delivery time 1 d

Dimensions packaging (W×D×H) 370×460×255 mm

Shipping method Parcel service

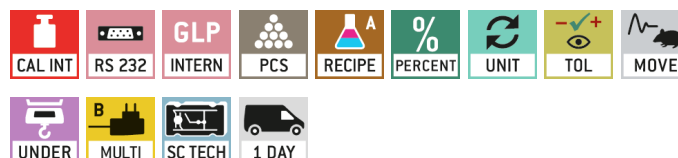
Net weight approx. 5,0 kg

Gross weight approx. 7 kg

Shipping weight 8,7 kg

Pictograms

STANDARD



OPTION



FACTORY

