

KERN PBS 4200-2M

KERN

Multifunctional laboratory balance with single-cell weighing system



Construction

Dimension housing (W×D×H)	200×320×85 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	✓
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)
Number of keys for operation	6

Interface

Interfaces	RS-232 standard
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Power Supply

Supplied power supply	Power supply unit
Plug-in power supply type	Power adapter

Category

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

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Single-Cell
Weighing capacity [Max]	4200 g
Readability [d]	0,01 g
Reproducibility	0,01 g
Linearity	± 0,02 g
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Resolution	420.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	4 kg (E2)
Stabilization time	2,5 s
Warm-up time	4 h
Eccentric loading at 1/3 [Max]	0,05 g
Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg
Default unit	g
Units	kg g

Display

Display type	LCD
Display backlight	✓
Display digit height	14 mm

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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]	100 V - 240 V AC, 50 / 60 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	✓
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Services (optional)

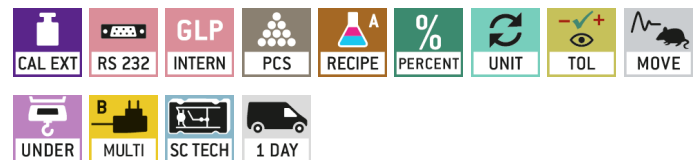
Article number for DAkkS calibration	963-127
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	450×370×255 mm
Shipping method	Parcel service
Net weight approx.	3,2 kg
Gross weight approx.	5,0 kg
Shipping weight	8,5 kg

Pictograms

STANDARD



OPTION

