

KERN PBS 4200-2M

Multifunctional laboratory balance with single-cell weighing system



Display

Display type	LCD
Display backlight	✓
Display digit height	14 mm

Construction

Dimension housing (W×D×H)	200×320×85 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	✓
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	✓
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

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
Resolution	420.000
Linearity	± 0,02 g
Reproducibility	0,01 g
Default unit	g
Units	kg g
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
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

Approval

CE mark	✓
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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
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 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

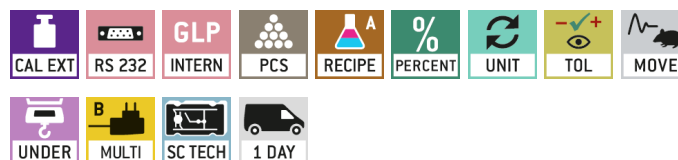
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	450×370×255 mm
Net weight	3,18 kg
Shipping method	Parcel service
Net weight approx.	3,2 kg
Gross weight approx.	5,0 kg
Shipping weight	8,5 kg

Services (optional)

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

Pictograms

STANDARD



OPTION

