KERN **PBJ 8200-1M**

Multifunctional laboratory balance with single-cell weighing system



Date of creation: 23.10.2026

Category

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

Measuring System

Weighing system	Single-Cell
Weighing capacity [Max]	8200 g
USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
Readability [d]	0,1 g
Automatic adjustment - Standard temperature deviation	1 °C
Automatic adjustment - Standard time interval	4 h
Reproducibility	0,1 g
Linearity	± 0,2 g
Minimum weight [Min] (verifiable)	5 g
Resolution	82.000
Adjustment options	Internal calibration (automatic)
Stabilization time	1,2 s
Eccentric loading at 1/3 [Max]	0,5 g
Construction type of the scale	Single-range balance
Units	kg g
Units (if device is conformity assessed)	kg g
Maximum creep (15 minutes)	1 g
Maximum creep (30 minutes)	2 g
Default unit	g
Warm-up time	120 min

Display

Display type	LCD
Display backlight	✓
Display digit height	14 mm

Construction

Dimension housing (W×D×H)	210×330×78 mm
Dimensions weighing surface (W×D)	180×190 mm
Dimensions weighing surface	180×190 mm
Dimensions weighing platform (W×D×H)	180×195×8 mm
Material housing	cast aluminium
Material weighing plate	stainless steel
Material display housing	plastic
Level indicator	✓
Levelling feet adjustable	✓

Functions

Density determination	✓
Dispensing function	✓
Peak function	✓
PreTare function	✓
Percentage determination	✓
Standby function	✓
Function for averaging under unstable weighing conditions	✓
Tolerance weighing	✓
Time display	✓
Counting function	✓
Capacity - Display	✓
Tare function	manual (multi)
Underfloor weighing	Hook (included in delivery)
Counting resolution (laboratory conditions)	82.000
Smallest piece weight when piece counting - laboratory conditions	100 mg
Reference quantity	10, 25, 50, 100, n (any number of pieces)
Recipe/summing level	Rez A (Net total)
Number of keys for operation	6

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Smallest piece weight when piece counting - normal conditions	1 g
Tolerance weighing - type of signal	visual

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]	100 V - 240 V AC, 50 / 60 Hz
Input voltage device / power [Max]	12 V DC, 1000 mA
Power socket for mains adapter	Hollow plug, inside minus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 9,5 mm

Environmental conditions

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

Services (optional)

Article number for DAkkS calibration	963-128
Article number for certificate of conformity	969-517

Packing & Shipping

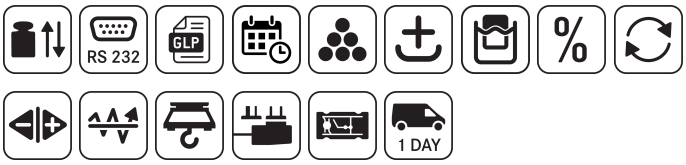
Delivery time	1 d
Dimensions packaging (W×D×H)	370×455×265 mm
Shipping method	Parcel service
Net weight approx.	5,0 kg
Gross weight approx.	7 kg
Shipping weight	8,9 kg
Shipping volume weight	8,9 kg

Product information

GTIN/EAN number	4045761206854
Trade number	84238129
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

