KERN **PBJ 620-3M**

Multifunctional laboratory balance with single-cell weighing system



Date of creation: 19.06.2026

Category

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

Measuring System

Weighing system	Single-Cell
Weighing capacity [Max]	620 g
USP Minimum weight of sample (k = 2, U = 0.1%)	2 g
Readability [d]	0,001 g
Automatic adjustment - Standard temperature deviation	1 °C
Automatic adjustment - Standard time interval	4 h
Reproducibility	0,001 g
Linearity	± 0,002 g
Minimum weight [Min] (verifiable)	0,1 g
Resolution	620.000
Adjustment options	Internal calibration (automatic)
Recommended adjusting weight	200 g (F1)
Possible calibration points	200 g
Stabilization time	2,5 s
Eccentric loading at 1/3 [Max]	0,005 g
Construction type of the scale	Single-range balance
Units	kg g
Units (if device is conformity assessed)	kg g
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg
Default unit	g

Display

Display type	LCD
Display backlight	✓
Display digit height	14 mm

Construction

Dimension housing (W×D×H)	210×330×70 mm
Dimensions rectangular draught shield - inner (W×D×H)	180×193×87 mm
Dimensions rectangular draught shield - outer (W×D×H)	202×228×103 mm
Dimensions weighing surface (W×D)	112×112 mm
Dimensions weighing surface	112×112 mm
Dimensions weighing platform (W×D×H)	108×105×5 mm
Material housing	cast aluminium
Material weighing plate	stainless steel
Material draught shield	plastic
Material display housing	plastic
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)	620.000
Smallest piece weight when piece counting - laboratory conditions	1 mg
Smallest piece weight when piece counting - normal conditions	10 mg

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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

Power Supply

Supplied power supply	Power supply unit
Power supply type	Power adapter
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

Approval

CE mark	✓

Services (optional)

Article number for DAkkS calibration	963-103
Article number for certificate of conformity	969-517

Packing & Shipping

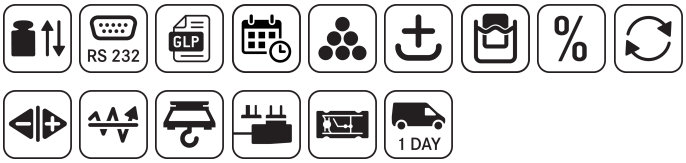
Delivery time	1 d
Dimensions packaging (W×D×H)	370×580×255 mm
Shipping method	Parcel service
Net weight approx.	4,2 kg
Gross weight approx.	6 kg
Shipping weight	10,9 kg
Shipping volume weight	10,9 kg

Product information

GTIN/EAN number	4045761206847
Trade number	90160010
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

