KERN **PBS 1000-3**

Multifunctional laboratory balance with single-cell weighing system



Date of creation: 25.10.2026

Category

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

Measuring System

Weighing system	Single-Cell
Weighing capacity [Max]	1020 g
USP Minimum weight of sample (k = 2, U = 0.1%)	2 g
Readability [d]	0,001 g
Reproducibility	0,001 g
Linearity	± 0,002 g
Resolution	1.020.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	1 kg (E2)
Possible calibration points	1 kg
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 mg t gn dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct lb oz tl (Cn) PCS % D mom
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg
Default unit	g
Warm-up time	4 h

Display

Display type	LCD
Display backlight	✓
Display digit height	14 mm
Languages of the user interface	English

Construction

Dimension housing (W×D×H)	191×317×79 mm
Dimensions completely mounted (W×D×H)	202×317×166 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)	113×110 mm
Dimensions weighing surface	113×110 mm
Dimensions weighing platform (W×D×H)	113×110×5 mm
Material housing	cast aluminium
Material weighing plate	stainless steel
Material draught shield	plastic
Material display housing	plastic
Material load cell(s)	aluminium
Level indicator	✓
Levelling feet adjustable	✓
Transport safety lock - bolt torque	6 Nm
Cable length	1,5 m
Load cells - number	1

Functions

Density determination	✓
Dispensing function	✓

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Hold function	✓
Peak function	✓
PreTare function	✓
Percentage determination	✓
Standby function	✓
Sum memory function	✓
Function for averaging under unstable weighing conditions	✓
Tolerance weighing	✓
Counting function	✓
Capacity - Display	✓
Tare function	manual (multi)
Underfloor weighing	Hook (included in delivery)
Counting resolution (laboratory conditions)	1.020.000
Smallest piece weight when piece counting - laboratory conditions	1 mg
Reference quantity	10, 25, 50, 100, n (any number of pieces)
Recipe/summing level	Rez A (Net total)
Number of keys for operation	5
Smallest piece weight when piece counting - normal conditions	10 mg
Tolerance weighing - type of signal	visual

Interface

Interfaces	RS-232 standard - 2x

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 CH
Plug-in power supply / adapter for countries - optional	EURO AUS UK US CH
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Input voltage device / power [Max]	12 V DC, 150 0mA
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	963-103
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	585×370×260 mm
Shipping method	Parcel service
Net weight approx.	2,8 kg
Gross weight approx.	5,0 kg
Shipping weight	11,3 kg
Shipping volume weight	11,3 kg

Product information

GTIN/EAN number	4045761492967
Trade number	90160010
Warranty Time	36 mon

Pictograms

STANDARD



OPTION

