

KERN PBS 620-3M

KERN

Multifunctional laboratory balance with single-cell weighing system



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]	620 g
Readability [d]	0,001 g
Resolution	620.000
Linearity	± 0,002 g
Reproducibility	0,001 g
Default unit	g
Units	kg g
USP Minimum weight of sample (k = 2, U = 0.1%)	2 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	600 g (E2)
Stabilization time	2,5 s
Warm-up time	4 h
Eccentric loading at 1/3 [Max]	0,005 g
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg

Approval

CE mark	✓
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Display

Display type	LCD
Display backlight	✓
Display digit height	14 mm

Construction

Dimension housing (W×D×H)	209×322×78 mm
Dimensions weighing platform (W×D×H)	108×105×5 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
Material display housing	Plastics
Material housing	cast aluminium
Material weighing plate	stainless steel
Material draught shield	plastic
Dimensions weighing surface (W×D)	108×105 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	1 mg
Smallest piece weight when piece counting - normal conditions	10 mg
Reference quantity	10, 25, 50, 100, n (any number of pieces)

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Counting resolution (laboratory conditions) 620.000

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) 372×585×270 mm

Net weight 3,1 kg

Shipping method Parcel service

Net weight approx. 3,2 kg

Gross weight approx. 4,2 kg

Shipping weight 11,8 kg

Services (optional)

Article number for DAkkS calibration 963-103

Article number for certificate of conformity (verification) 969-517

Pictograms

STANDARD



OPTION

