

KERN PKS 1000-1

Flexible precision balance for laboratories and the pharmaceutical industry

KERN



Date of creation: 30.06.2026

Category	
Brand	KERN
Product category	Laboratory balance
Product group	Precision balance
Product family	PKS
Measuring System	
Weighing system	Strain gauge
Weighing capacity [Max]	1200 g
USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
Readability [d]	0,1 g
Reproducibility	0,1 g
Linearity	± 0,3 g
Resolution	12.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	1 kg (F2)
Possible calibration points	100 g; 120 g
Stabilization time	2 s
Eccentric loading at 1/3 [Max]	0,5 g
Construction type of the scale	Single-range balance
Units	kg
	g
	gn
	dwt
	tl (Tw)
	tl (HK)
	ozt
	tl (Singap, Malays)
	ct
	mo

lb
oz

Maximum creep (15 minutes)	400 mg
Maximum creep (30 minutes)	800 mg
Default unit	g

Display	
Display type	LCD graphic
Display type	LCD Graphic
Display backlight	✓
Display screen size	115×35 mm
Display segments	7
Display digit height	21 mm
Languages of the user interface	English Symbol language

Construction	
Dimension housing (W×D×H)	205×315×95 mm
Dimensions completely mounted (W×D×H)	205×315×180 mm
Dimensions rectangular draught shield - inner (W×D×H)	145×145×80 mm
Dimensions rectangular draught shield - outer (W×D×H)	158×158×82 mm
Dimensions weighing surface (W×D)	131×131 mm
Dimensions weighing surface	131×131 mm
Material housing	plastic
Material weighing plate	stainless steel
Material draught shield	plastic, glass
Level indicator	✓
Levelling feet adjustable	✓
Transport safety lock - bolt torque	0,4 Nm

Functions	
PreTare function	✓
Sum memory function	✓
Recipe/summing level	Rez C (like B, plus barcode or back calculation)
Recipe weighing - number of database entries	20
Recipe weighing - number of ingredients per database entry	20
Percentage determination	✓
Density determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual

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Underfloor weighing	Hook (included in delivery)
Alibi memory - number of memory spaces	250.000
Function for averaging under unstable weighing conditions	✓
Time display	✓
Capacity - Display	✓
Standby function	✓
Counting function	✓
Counting resolution (laboratory conditions)	6.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	200 mg
Smallest piece weight when piece counting - normal conditions	2 g
Reference quantity	5, 10, 20, 50, free, Input
Memory function	✓
Memory - total size	0,016 GB
Statistic function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min
	2 min
	1 min
	30 min
	60 min
	30 sec
Auto-off interval(s) in mains power mode	selectable
Tare function	manual (multi)
Number of keys for operation	6

Interface

Interfaces	RS-232 (optional) Ethernet (optional) USB-Host/Master (optional) Bluetooth BLE (v4.0) (optional) USB-Device (optional) KUP WiFi (optional)
compatible with EasyTouch	✓

Power Supply

Supplied power supply	Power supply & battery function (battery not included)
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 UK US CH
Input voltage power supply / power [Max]	100 V - 240 V AC, 50 / 60 Hz
Power supply cable removable	removable
Input voltage device / power [Max]	5,9V, 1A
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 13 mm
Battery / accumulator type	Li-Ion
Battery	4×1.5 V AA
Battery connection	Battery insert
Battery operating time	20 h
Battery capacity	210 mAh
Battery voltage	3 V
Battery - Number of cells	1
Battery - Individual weight	3,2 g
Battery - Total weight	3,2 g
Battery - Construction	Individual cells
Battery capacity (Wh)	0,66 Wh
Battery - Lithium content	64 mg
Battery - Tests passed UN 38.3	✓
Rechargeable battery operating time - backlight on	24 h
Rechargeable battery operating time - backlight off	48 h
Rechargeable battery charging time	8 h
Rechargeable battery optional	Rchrg. battery optional - intern

Environmental conditions

Ambient temperature [Min]	5 °C
Ambient temperature [Max]	35 °C
Humidity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Approval

CE mark	✓
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Services (optional)

Article number for adjustment at the location of installation	961-247
Article number for DAkkS calibration	963-127
Article number for certificate of conformity	969-517

Packing & Shipping

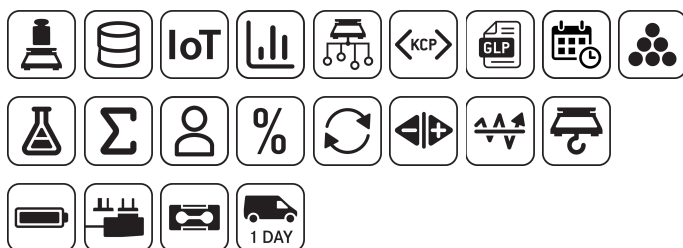
Delivery time	1 d
Dimensions packaging (W×D×H)	400×300×200 mm
Shipping method	Parcel service
Net weight approx.	2,0 kg
Gross weight approx.	3,0 kg
Shipping weight	4,8 kg
Shipping volume weight	4,8 kg

Product information

GTIN/EAN number	4045761492905
Trade number	84238129
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

