KERN **PNS 12000-1**

The standard in the laboratory with robust tuning fork weighing system



Date of creation: 13.11.2026

Category

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

Measuring System

Weighing system	Tuning fork
Weighing capacity [Max]	12000 g
USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
Readability [d]	0,1 g
Reproducibility	0,1 g
Linearity	± 0,2 g
Resolution	120.000
Tare range	12000 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	12 kg (F1)
Possible calibration points	12 kg
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,3 g
Weighing capacity [Max] (ct)	60000 ct
Construction type of the scale	Single-range balance
Units	g dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) mo lb oz tol
Maximum creep (15 minutes)	1 g
Maximum creep (30 minutes)	2 g
Default unit	g
Readability carat [d] (ct)	1 ct
Warm-up time	120 min

Display

Display type	LCD
Display backlight	✓
Display screen size	109×27 mm
Display digit height	16,5 mm
Languages of the user interface	Symbol language

Construction

Dimension housing (W×D×H)	196×293×89 mm
Dimensions weighing surface (W×D)	190×190 mm
Dimensions weighing surface	190×190 mm
Dimensions weighing platform (W×D×H)	190×190×89 mm
Material housing	plastic
Material weighing plate	stainless steel
Level indicator	✓
Levelling feet adjustable	✓

Functions

IP protection - display	no IP protection
IP protection - platform	no IP protection
Percentage determination	✓
Tolerance weighing	✓
Counting function	✓
Capacity - Display	✓
Auto-off interval(s) in mains power mode	3 min
Tare function	manual (multi)
Counting resolution (laboratory conditions)	120.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	100 mg
Reference quantity	10, 30, 50, 100

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Number of keys for operation	5
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
Power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO AUS UK US CH
Plug-in power supply / adapter for countries - optional	EURO AUS UK US CH
Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	5,95 V, 1 A
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 4,75 mm, Ø inside 1,7 mm, long 9,5 mm
Battery capacity	7 mAh
Battery voltage	3 V
Battery – Number of cells	1
Battery – Individual weight	6,6 g
Battery – Total weight	6,6 g
Battery – Construction	Individual cells
Battery capacity (Wh)	21 Wh
Battery – Lithium content	3 mg
Battery – Tests passed UN 38.3	✓

Environmental conditions

Ambient temperature [Min]	5 °C
Ambient temperature [Max]	40 °C
Humity of environment [Max]	80 %

Approval

CE mark	✓

Services (optional)

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

Packing & Shipping

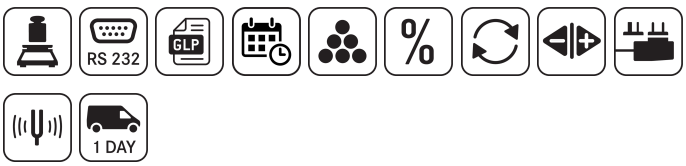
Delivery time	1 d
Dimensions packaging (W×D×H)	325×410×210 mm
Shipping method	Parcel service
Net weight approx.	2,8 kg
Gross weight approx.	3,8 kg
Shipping weight	5,6 kg
Shipping volume weight	5,6 kg

Product information

GTIN/EAN number	4045761184008
Trade number	84238129
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

