

KERN PNS 12000-1

KERN

The new standard in the laboratory with robust tuning fork weighing system



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
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

USP Minimum weight of sample (k = 2, U = 0.1%) 200 g

Construction type of the scale Single-range balance

Units
g
dwt
tl (Tw)
tl (HK)
ozt
tl (Singap, Malays)
mo
lb
oz
tol

Weighing capacity [Max] (ct) 60000 ct

Readability carat [d] (ct)	1 ct
Maximum creep (15 minutes)	1 g
Maximum creep (30 minutes)	2 g
Default unit	g

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

Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	visual
Capacity - Display	✓
Counting function	✓
Counting resolution (laboratory conditions)	120.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	100 mg
Smallest piece weight when piece counting - normal conditions	1 g
Reference quantity	10, 30, 50, 100
IP protection - display	no IP protection
IP protection - platform	no IP protection
Auto-off interval(s) in mains power mode	3 min
Tare function	manual (multi)
Number of keys for operation	5

Interface

Interfaces	RS-232 standard
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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
Plug-in power supply / adapter for countries - optional	CH
	EURO
	AUS
	UK
Input voltage power supply / power [Max]	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 voltage	3 V
Battery – Individual weight	6,6 g
Battery – Tests passed UN 38.3	✓

Environmental conditions

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

Approval

CE mark	✓
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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

Product information

GTIN/EAN number	4045761184008
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Trade number

84238129

REACH classification

no prohibited substances

Pictograms

STANDARD



OPTION

