

KERN PNS 12000-1

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



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

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
Warm-up time	120 min
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

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Interface

Interfaces	RS-232 standard
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Power Supply

Supplied power supply	Power supply unit
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Power supply type	Power adapter
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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
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Input voltage device / power [Max]	5,95 V, 1 A
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Power socket for mains adapter	Hollow plug, inside plus, Ø outside 4,75 mm, Ø inside 1,7 mm, long 9,5 mm
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Battery voltage	3 V
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Battery - Individual weight	6,6 g
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Environmental conditions

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

CE mark	✓
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Services (optional)

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

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

GTIN/EAN number	4045761184008
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REACH classification	no prohibited substances
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Pictograms

STANDARD



OPTION

