

KERN PNS 12000-1

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

Construction type of the scale	Single-range balance
Weighing system	Tuning fork
Weighing capacity [Max]	12000 g
Weighing capacity [Max] (ct)	60000 ct
Readability [d]	0,1 g
Readability carat [d] (ct)	1 ct
Reproducibility	0,1 g
Linearity	± 0,2 g
USP Minimum weight of sample (k = 2, U = 0.1%)	200 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
Maximum creep (15 minutes)	1 g
Maximum creep (30 minutes)	2 g
Default unit	g
Units	g dwt tl (Tw) tl (HK)

	ozt
	tl (Singap, Malays)
	mo
	lb
	oz
	tol

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

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Interface

Interfaces	RS-232 standard
EasyTouch (ET) - Connection type	über alle verfügbare Schnittstellen möglich

Power Supply

Supplied power supply	Power supply unit
Plug-in 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]	220 V - 240 V AC, 50 Hz
	5,95 V, 1 A

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 (verification)	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

Pictograms

STANDARD



OPTION

