

KERN PNS 3000-2

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]	3200 g
Weighing capacity [Max] (ct)	16000 ct
Readability [d]	0,01 g
Readability carat [d] (ct)	0,1 ct
Reproducibility	0,01 g
Linearity	± 0,02 g
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Resolution	320.000
Tare range	3200 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	3 kg (F1)
Possible calibration points	3 kg
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,03 g
Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg
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)	320.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	10 mg
Smallest piece weight when piece counting - normal conditions	100 mg
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]	US
	CH
	EURO
Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	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	963-127
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	325×410×205 mm
Shipping method	Parcel service
Net weight approx.	2,8 kg
Gross weight approx.	3,8 kg
Shipping weight	5,5 kg

Pictograms

STANDARD



OPTION

