

# KERN PNS 3000-2

# KERN

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



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

Approval	
CE mark	✓

Display	
Display type	LCD
Display screen size	109×27 mm
Display backlight	✓
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 platform (W×D×H)	190×190×89 mm
Material housing	plastic
Material weighing plate	stainless steel
Dimensions weighing surface (W×D)	190×190 mm
Levelling feet adjustable	✓

Functions	
Number of keys for operation	5
Auto-off interval(s) in mains power mode	3 min
Capacity - Display	✓
Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	visual
Interfaces	RS-232 standard
IP protection - display	no IP protection
IP protection - platform	no IP protection

Counting	
Smallest piece weight when piece counting - laboratory conditions	10 mg
Smallest piece weight when piece counting - normal conditions	100 mg
Counting reference weight can be entered	✓
Reference quantity	10, 30, 50, 100

## 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
Resolution	320.000
Linearity	± 0,02 g
Reproducibility	0,01 g
Tare range	3200 g
Default unit	g

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

USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
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Adjustment options	Adjusting with external weight
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Recommended adjusting weight	3 kg (F1)
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Possible calibration points	3 kg
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Counting resolution (laboratory conditions)	320.000
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## Power Supply

Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	5,95 V, 1 A
Plug-in power supply type	Power adapter
Supplied power supply	Power supply unit
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

## Environmental conditions

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

## Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (WxDxH)	325x410x205 mm
Net weight	2,7 kg
Shipping method	Parcel service
Net weight approx.	2,8 kg
Gross weight approx.	3,8 kg
Shipping weight	5,5 kg

## Services (optional)

Article number for DAkkS calibration	963-127
Article number for certificate of conformity (verification)	969-517

## Pictograms

### STANDARD



### OPTION

