

# KERN PNJ 3000-2M

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



Minimum weight [Min] (ct)	5 ct
Adjustment options	Internal calibration (automatic)
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,03 g

Approval	
CE mark	✓
Accuracy classe	II
Verification scale interval [e]	0,1 g
Verification scale interval [e] (ct)	1 ct
Conformity assessment possible ex works	✓

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
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

## Category

Brand	KERN
Product category	Laboratory balance
Product group	Precision balance
Product family	PNJ

## 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)
	ozt
Units	tl (Singap, Malays)
	ct
	mo
	lb
	oz
	tol

Units (if device is conformity assessed)	g
	ct
Minimum weight [Min]	0,5 g
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g

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Smallest piece weight when piece counting - normal conditions	100 mg
Counting reference weight can be entered	✓
Reference quantity	10, 30, 50, 100
Counting resolution (laboratory conditions)	320.000

## 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 (W×D×H)	321×410×220 mm
Net weight	3,5 kg
Shipping method	Parcel service
Net weight approx.	3,6 kg
Gross weight approx.	4,6 kg
Shipping weight	5,8 kg

## Services (optional)

Article number for conformity assessment	965-216
Article number for DAkkS calibration	963-127
Article number for certificate of conformity (verification)	969-517

## Pictograms

### STANDARD



### OPTION



### FACTORY

