

# KERN PNJ 12000-1M

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



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

Approval	
CE mark	✓
Accuracy classe	II
Verification scale interval [e]	1 g
Verification scale interval [e] (ct)	10 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	100 mg
Smallest piece weight when piece counting - normal conditions	1 g

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]	12000 g
Weighing capacity [Max] (ct)	60000 ct
Readability [d]	0,1 g
Readability carat [d] (ct)	1 ct
Resolution	120.000
Linearity	± 0,2 g
Reproducibility	0,1 g
Tare range	12000 g
Default unit	g
	g
	dwt
	tl (Tw)
	tl (HK)
	ozt
Units	tl (Singap, Malays)
	mo
	lb
	oz
	tol
Units (if device is conformity assessed)	g
	ct
Minimum weight [Min]	5 g
USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
Minimum weight [Min] (ct)	50 ct

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Counting reference weight can be entered	✓
Reference quantity	10, 30, 50, 100
Counting resolution (laboratory conditions)	120.000

## 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
	EURO
Plug-in power supply / adapter for countries - included with the delivery	AUS UK US CH
	EURO
Plug-in power supply / adapter for countries - optional	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)	325×410×220 mm
Net weight	3,624 kg
Shipping method	Parcel service
Net weight approx.	3,8 kg
Gross weight approx.	5,0 kg
Shipping weight	5,9 kg

## Services (optional)

Article number for conformity assessment	965-217
Article number for DAkkS calibration	963-128
Article number for certificate of conformity (verification)	969-517

## Pictograms

### STANDARD



### OPTION



### FACTORY

