

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
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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

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

Units (if device is conformity assessed)	g
	ct

Minimum weight [Min]	0,5 g
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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

