

KERN PNJ 3000-2M

KERN

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



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
Reproducibility	0,01 g
Linearity	± 0,02 g
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Minimum weight [Min]	0,5 g
Minimum weight [Min] (ct)	5 ct
Resolution	320.000
Tare range	3200 g

Adjustment options Internal calibration (automatic)

Stabilization time 3 s

Warm-up time 120 min

Eccentric loading at 1/3 [Max] 0,03 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

Conformity assessment possible ✓

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
Tare function	manual (multi)
Number of keys for operation	5

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Interface

Interfaces	RS-232 standard
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Power Supply

Supplied power supply	Power supply unit
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Plug-in power supply type	Power adapter
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	EURO
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Plug-in power supply / adapter for countries - included with the delivery	AUS UK US CH
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	EURO
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Plug-in power supply / adapter for countries - optional	AUS UK US CH
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Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
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Input voltage device / power [Max]	5,95 V, 1 A
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Power socket for mains adapter	Hollow plug, inside plus, Ø outside 4,75 mm, Ø inside 1,7 mm, long 9,5 mm
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Environmental conditions

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

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

Article number for conformity assessment	965-216
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Article number for DAkkS calibration	963-127
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Article number for certificate of conformity	969-517
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Packing & Shipping

Delivery time	1 d
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Dimensions packaging (W×D×H)	321×410×220 mm
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Shipping method	Parcel service
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Net weight approx.	3,6 kg
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Gross weight approx.	4,6 kg
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Shipping weight	5,8 kg
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Pictograms

STANDARD



OPTION



FACTORY

