

KERN PNS 3000-2

KERN

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



Category

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

Measuring System

Weighing system	Tuning fork
Weighing capacity [Max]	3200 g
Readability [d]	0,01 g
Reproducibility	0,01 g
Linearity	± 0,02 g
Resolution	320.000
Tare range	3200 g

Adjustment options	Adjusting with external weight
Recommended adjusting weight	3 kg (F1)
Possible calibration points	3 kg
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,03 g

USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Construction type of the scale	Single-range balance

Units

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

oz
tol

Weighing capacity [Max] (ct)	16000 ct
Readability carat [d] (ct)	0,1 ct
Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg
Default unit	g

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
Auto-off interval(s) in mains power mode	3 min
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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Power supply type	Power adapter
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	EURO
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Plug-in power supply / adapter for	AUS
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countries - included with the	UK
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delivery	US
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	CH
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	EURO
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Plug-in power supply / adapter for	AUS
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countries - optional	UK
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	US
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	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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Battery voltage	3 V
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Battery - Individual weight	6,6 g
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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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Services (optional)

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)	325×410×205 mm
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Shipping method	Parcel service
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Net weight approx.	2,8 kg
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Gross weight approx.	3,8 kg
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Shipping weight	5,5 kg
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Product information

GTIN/EAN number	4045761184015
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REACH classification	no prohibited substances
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Pictograms

STANDARD



OPTION

