

KERN PNS 600-3

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]	620 g
Readability [d]	0,001 g
Reproducibility	0,001 g
Linearity	± 0,004 g
Resolution	620.000
Tare range	620 g

Adjustment options	Adjusting with external weight
Recommended adjusting weight	600 g (E2)
Possible calibration points	600 g
Stabilization time	3 s
Warm-up time	4 h
Eccentric loading at 1/3 [Max]	0,004 g
USP Minimum weight of sample (k = 2, U = 0.1%)	2 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)	3100 ct
Readability carat [d] (ct)	0,01 ct
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 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)	196×293×266 mm
Dimensions completely mounted (W×D×H)	196×293×266 mm
Dimensions rectangular draught shield - inner (W×D×H)	172×171×160 mm
Dimensions weighing surface (Ø)	140 mm
Dimensions weighing surface	140 mm
Material housing	plastic
Material weighing plate	stainless steel
Material draught shield	glass
Level indicator	✓
Levelling feet adjustable	✓
Draught shield optional	✓

Functions

Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	visual
Capacity - Display	✓
Counting function	✓
Counting resolution (laboratory conditions)	620.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	1 mg
Smallest piece weight when piece counting - normal conditions	10 mg
Reference quantity	10, 30, 50, 100
IP protection - display	no IP protection
IP protection - platform	no IP protection

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Auto-off interval(s) in mains power mode	3 min
Tare function	manual (multi)
Number of keys for operation	5

Interface

Interfaces	RS-232 standard
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Power Supply

Supplied power supply	Power supply unit
Power supply type	Power adapter
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
Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
Input voltage device / power [Max]	5,95 V, 1 A
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 4,75 mm, Ø inside 1,7 mm, long 9,5 mm
Battery voltage	3 V
Battery - Individual weight	6,6 g

Environmental conditions

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

Approval

CE mark	✓
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Services (optional)

Article number for DAkkS calibration	963-103
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	321×410×329 mm
Shipping method	Parcel service

Net weight approx. 2,2 kg

Gross weight approx. 6 kg

Shipping weight 8,7 kg

Product information

GTIN/EAN number	4045761183995
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

