

KERN PNS 600-3

KERN

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



Possible calibration points	600 g
Stabilization time	3 s
Warm-up time	4 h
Eccentric loading at 1/3 [Max]	0,004 g
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg

Approval

CE mark	✓
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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)	196×293×266 mm
Dimensions rectangular draught shield - inner (W×D×H)	172×171×160 mm
Dimensions completely mounted (W×D×H)	196×293×266 mm
Material housing	plastic
Material weighing plate	stainless steel
Material draught shield	glass
Dimensions weighing surface (Ø)	140 mm
Levelling feet adjustable	✓
Draught shield optional	✓

Functions

Number of keys for operation	5
Auto-off interval(s) in mains power mode	3 min
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	1 mg
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Category

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

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Tuning fork
Weighing capacity [Max]	620 g
Weighing capacity [Max] (ct)	3100 ct
Readability [d]	0,001 g
Readability carat [d] (ct)	0,01 ct
Resolution	620.000
Linearity	± 0,004 g
Reproducibility	0,001 g
Tare range	620 g
Default unit	g

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

USP Minimum weight of sample (k = 2, U = 0.1%)	2 g
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Adjustment options	Adjusting with external weight
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Recommended adjusting weight	600 g (E2)
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Smallest piece weight when piece counting - normal conditions	10 mg
Counting reference weight can be entered	✓
Reference quantity	10, 30, 50, 100
Counting resolution (laboratory conditions)	620.000

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)	321×410×329 mm
Net weight	2,09 kg
Shipping method	Parcel service
Net weight approx.	2,2 kg
Gross weight approx.	6 kg
Shipping weight	8,7 kg

Services (optional)

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

Pictograms

STANDARD



OPTION

