

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
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
Auto-off interval(s) in mains power mode	3 min
Tare function	manual (multi)

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Number of keys for operation 5

Interface

Interfaces RS-232 standard

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

Battery - Tests passed UN 38.3 ✓

Environmental conditions

Ambient temperature [Min] 5 °C

Ambient temperature [Max] 40 °C

Humidity of environment [Max] 80 %

Approval

CE mark ✓

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

Trade number 90160010

REACH classification no prohibited substances

Pictograms

STANDARD



OPTION

