

# KERN PNS 600-3

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

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
Reproducibility	0,001 g
Linearity	± 0,004 g
USP Minimum weight of sample (k = 2, U = 0.1%)	2 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
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg
Default unit	g
Units	g gn dwt tl (Tw)

	tl (HK)
	ozt
	tl (Singap, Malays)
	ct
	mo
	lb
	oz
	tol

## 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
EasyTouch (ET) - Connection type	über alle verfügbare Schnittstellen möglich

## Power Supply

Supplied power supply	Power supply unit
Plug-in 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

## 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

## Pictograms

### STANDARD



### OPTION

