KERN **PNS 600-3**

The standard in the laboratory with robust tuning fork weighing system



Date of creation: 23.10.2026

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
USP Minimum weight of sample (k = 2, U = 0.1%)	2 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
Weighing capacity [Max] (ct)	3100 ct
Construction type of the scale	Single-range balance
Units	g gn dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz tol
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg
Default unit	g
Readability carat [d] (ct)	0,01 ct
Warm-up time	4 h

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	
IP protection - display	no IP protection
IP protection - platform	no IP protection
Percentage determination	✓
Tolerance weighing	✓
Counting function	✓
Capacity - Display	✓
Auto-off interval(s) in mains power mode	3 min
Tare function	manual (multi)
Counting resolution (laboratory conditions)	620.000

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Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	1 mg
Reference quantity	10, 30, 50, 100
Number of keys for operation	5
Smallest piece weight when piece counting - normal conditions	10 mg
Tolerance weighing - type of signal	visual

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 capacity	7 mAh
Battery voltage	3 V
Battery – Number of cells	1
Battery – Individual weight	6,6 g
Battery – Total weight	6,6 g
Battery – Construction	Individual cells
Battery capacity (Wh)	21 Wh
Battery – Lithium content	3 mg
Battery – Tests passed UN 38.3	✓

Environmental conditions

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

Services (optional)

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

Packing & Shipping

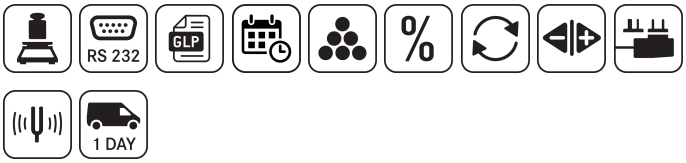
Delivery time	1 d
Dimensions packaging (W×D×H)	321×410×329 mm
Shipping method	Parcel service
Net weight approx.	2,2 kg
Gross weight approx.	6 kg
Shipping weight	8,7 kg
Shipping volume weight	8,7 kg

Product information

GTIN/EAN number	4045761183995
Trade number	90160010
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

