

# KERN PWS 8000-1

**KERN**

High-resolution precision balance made of stainless steel with IP protection



## Category

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

## Measuring System

Construction type of the scale	Single-range balance
Weighing system	Tuning fork
Number of weighing ranges	1
Weighing capacity [Max]	8200 g
Readability [d]	0,1 g
Reproducibility	0,1 g
Linearity	± 0,1 g
USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
Resolution	82.000
Tare range	8200 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	2 kg (F1); 5 kg (F1)
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,3 g
Maximum creep (15 minutes)	1 g
Maximum creep (30 minutes)	2 g
Default unit	g
Units	kg
	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)	310×205×85 mm
Dimensions completely mounted (W×D×H)	320×205×90 mm
Dimensions weighing surface (W×D)	190×190 mm
Dimensions weighing surface	190×190 mm
Material housing	stainless steel
Material weighing plate	stainless steel
Material platform	Stainless steel
Level indicator	✓
Levelling feet adjustable	✓

## Functions

PreTare function	✓
Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Density determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Underfloor weighing	Eye (optional)
Function for averaging under unstable weighing conditions	✓
Capacity - Display	✓
Counting function	✓
Counting resolution (laboratory conditions)	82.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	100 mg
Smallest piece weight when piece counting - normal conditions	1 g

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Reference quantity	5, 10, 30, 100
IP protection - complete device	IP65
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min
Tare function	manual (multi)
Number of keys for operation	9

## Interface

Interfaces	RS-232 standard
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## 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]	100 V - 240 V AC 50/60 Hz 0,3 A
Input voltage device / power [Max]	5,95 V, 1 A
Battery	4×1.5 V AA
Battery connection	Battery insert

## Environmental conditions

Ambient temperature [Min]	10 °C
Ambient temperature [Max]	30 °C
Humidity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

## Approval

CE mark	✓
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## Services (optional)

Article number for DAkkS calibration	963-128
Article number for certificate of conformity (verification)	969-517

## Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	315×405×225 mm

Net weight	2,808 kg
Shipping method	Parcel service
Net weight approx.	3,0 kg
Gross weight approx.	4,2 kg
Shipping weight	5,7 kg

## Pictograms

### STANDARD



### OPTION

