

KERN PWS 8000-1

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



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

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)	310×205×85 mm
Dimensions completely mounted (W×D×H)	320×205×90 mm
Material housing	stainless steel
Material weighing plate	stainless steel
Material platform	Stainless steel
Dimensions weighing surface (W×D)	190×190 mm
Levelling feet adjustable	✓

Functions

Number of keys for operation	9
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min
Capacity - Display	✓
PreTare function	✓
Tare function	manual (multi)
Density determination	✓
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
Recipe/summing level	Rez A (Net total)
Underfloor weighing	Eye (optional)
Interfaces	RS-232 standard
IP protection - complete device	IP65

Category

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

Measuring System

Construction type of the scale	Single-range balance
Number of weighing ranges	1
Weighing system	Tuning fork
Weighing capacity [Max]	8200 g
Readability [d]	0,1 g
Resolution	82.000
Linearity	± 0,1 g
Reproducibility	0,1 g
Tare range	8200 g
Default unit	g

Units	kg
	g
	gn
	dwt
	tl (Tw)
	tl (HK)
	ozt
	tl (Singap, Malays)
	ct
	mo
	lb

USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
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Adjustment options	Adjusting with external weight
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Counting

Smallest piece weight when piece counting - laboratory conditions	100 mg
Smallest piece weight when piece counting - normal conditions	1 g
Counting reference weight can be entered	✓
Reference quantity	5, 10, 30, 100
Counting resolution (laboratory conditions)	82.000

Power Supply

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
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
Battery	4×1.5 V AA
Battery connection	Battery insert

Environmental conditions

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

Packing & Shipping

Readability force [d] (N)	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

Services (optional)

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

Pictograms

STANDARD



OPTION

