

KERN PWS 800-2

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

KERN



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]	820 g
Readability [d]	0,01 g
Reproducibility	0,01 g
Linearity	± 0,01 g
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Resolution	82.000
Tare range	820 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	200 g (F1); 500 g (F1)
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,03 g
Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg
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 (Ø)	140 mm
Dimensions weighing surface	140 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	10 mg
Smallest piece weight when piece counting - normal conditions	100 mg
Reference quantity	5, 10, 30, 100

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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
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Plug-in power supply / adapter for countries - optional	EURO AUS UK US CH
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Input voltage power supply / power [Max]	100 V - 240 V AC 50/60 Hz 0,3 A
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Input voltage device / power [Max]	5,95 V, 1 A
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Power socket for mains adapter	Hollow plug, inside plus, Ø outside 4,75 mm, Ø inside 1,7 mm, long 9,5 mm
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Battery / accumulator type	Alkali(-Manganese)
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Battery	4×1.5 V AA
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Battery connection	Battery insert
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Environmental conditions

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

CE mark	✓
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Services (optional)

Article number for DAkkS calibration	963-127
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Article number for certificate of conformity	969-517
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Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	315×405×225 mm
Shipping method	Parcel service
Net weight approx.	3,0 kg
Gross weight approx.	4,2 kg
Shipping weight	5,7 kg

Pictograms

STANDARD



OPTION

