KERN **PWS 800-2**

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



Category

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

Measuring System

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
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
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Construction type of the scale	Single-range balance
Units	kg g gn dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct lb oz tol mom
Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg
Default unit	g

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

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]	100 V - 240 V AC 50/60 Hz 0,3 A
Power supply cable removable	removable
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 / accumulator type	Alkali(-Manganese)
Battery connection	Battery insert

Environmental conditions

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

Approval

CE mark	✓

Services (optional)

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

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

Product information

GTIN/EAN number	4045761311275
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

