

KERN PLS 8000-2A

High-quality precision scale with comfortable graphic display and enormous weighing range



Category

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

Measuring System

Weighing system	Force compensation
Weighing capacity [Max]	8200 g
Readability [d]	0,01 g
Reproducibility	0,01 g
Linearity	± 0,04 g
Resolution	820.000

Adjustment options	Adjusting with external weight
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Recommended adjusting weight	8 kg (E2)
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Possible calibration points	1 kg; 2 kg; 3 kg; 4 kg; 6 kg; 8 kg
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Stabilization time	4 s
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Warm-up time	4 h
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Eccentric loading at 1/3 [Max]	0,05 g
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USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
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Construction type of the scale	Single-range balance
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Units	g
	gn
	dwt
	tl (Tw)
	tl (HK)
	ozt
	tl (Singap, Malays)
	ct
mo	

	lb
	oz
Weighing capacity [Max] (ct)	41000 ct
Readability carat [d] (ct)	0,1 ct
Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg
Default unit	g

Display

Display type	LCD graphic
Display backlight	✓
Display screen size	132×38 mm
Display digit height - smallest digit	4 mm
Display digit height	15 mm
Languages of the user interface	English

Construction

Dimension housing (W×D×H)	210×340×120 mm
Dimensions completely mounted (W×D×H)	210×340×120 mm
Dimensions weighing surface (Ø)	160 mm
Dimensions weighing surface	160 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	stainless steel
Level indicator	✓
Levelling feet adjustable	✓

Functions

PreTare function	✓
Recipe/summing level	Rez B (Net-total, memory with plain text designations + setpoint, also for printout)
Recipe weighing - number of database entries	99
Recipe weighing - number of ingredients per database entry	20
Percentage determination	✓
Density determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Underfloor weighing	Eye (included in delivery)
Function for averaging under unstable weighing conditions	✓
Time display	✓
Capacity - Display	✓

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Standby function	✓
Counting function	✓
Counting resolution (laboratory conditions)	820.000
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	10, 25, 50, 100, n (any number of pieces)
Auto-off interval(s) in mains power mode	off 5 min 2 min 15 min
Tare function	manual (multi)
Number of keys for operation	6

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
Plug-in power supply / adapter for countries - optional	CH
	EURO
	UK
	US
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
	Hz
Power supply cable removable	removable
Input voltage device / power [Max]	24 V 1 A
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 10,5 mm

Environmental conditions	
Ambient temperature [Min]	15 °C
Ambient temperature [Max]	35 °C
Humidity of environment [Max]	80 %
Storage temperature [Max]	40 °C

Approval	
CE mark	✓

Services (optional)	
Article number for DAkkS calibration	963-104
Article number for certificate of conformity	969-517

Packing & Shipping	
Delivery time	1 d
Dimensions packaging (W×D×H)	500×360×420 mm
Shipping method	Parcel service
Net weight approx.	4,8 kg
Gross weight approx.	7 kg
Shipping weight	15,1 kg

Product information	
GTIN/EAN number	404576 1243347
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

