# KERN **PLS 8000-2A**



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



Category	
Brand	KERN
Product categoriy	Laboratory balance
Product group	Precision balance
Product family	PLS
Measuring System	
Construction type of the scale	Single-range balance
Weighing system	Force compensation
Weighing capacity [Max]	8200 g
Weighing capacity [Max] (ct)	41000 ct
Readability [d]	0,01 g
Readability carat [d] (ct)	0,1 ct
Resolution	820.000
Linearity	± 0,04 g
Reproducibility	0,01 g
Default unit	g
Units	g dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	8 kg (E2)
Possible calibration points	1 kg; 2 kg; 3 kg; 4 kg; 6 kg; 8 kg

Stabilization time	4 s
Warm-up time	4 h
Eccentric loading at 1/3 [Max]	0,05 g
Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg
Approval	
CE mark	✓
Display	
Display type	LCD graphic
Display screen size	132×38 mm
Display backlight	132×30 mm
Display digit height - smallest digit	• 4 mm
Display digit height	15 mm
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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
Material housing	plastic
Material weighing plate	stainless steel
Material platform	Stainless steel
Dimensions weighing surface (Ø)	160 mm
Levelling feet adjustable	1
Functions	
Number of keys for operation	6
	off
Auto-off interval(s) in mains power	5 min
mode	2 min 15 min
Canadity diaplay	<b>√</b>
Capacity display	
Time display	
PreTare function	✓ 
	manual (multi)
Density determination	
Percentage determination	
Counting function	
Tolerance weighing	
Tolerance weighing - type of signal	acoustically visual
Function for averaging under	1
unstable weighing conditions	1
Standby function	
Recipe/summing level	Rez B (Net-total, memory with plain text

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	designations + setpoint, also for printout)
Recipe weighing - number of database entries	99
Recipe weighing - number of ingredients per database entry	20
Underfloor weighing	Eye (included in delivery)
Interfaces	RS-232 standard

### Counting

Smallest piece weight when piece counting - laboratory conditions	10 mg
Smallest piece weight when piece counting - normal conditions	100 mg
Counting reference weight can be entered	1
Reference quantity	10, 25, 50, 100, n (any number of pieces)
Counting resolution (laboratory conditions)	820.000

#### Power Supply

Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Input voltage device / power [Max]	24 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 UK US CH

### Environmental conditions

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

## Packing & Shipping

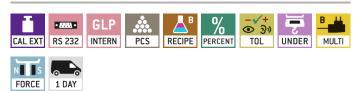
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	500×360×420 mm
Net weight	4,8 kg
Shipping method	Parcel service
Net weight approx.	4,8 kg

Gross weight approx.	7 kg
Shipping weight	15,1 kg
Services (optional)	
Services (optional)	
Article number for DAkkS calibration	963-104
Article number for certificate of	969-517

### Pictograms

conformity (verification)

#### **STANDARD**



#### OPTION



