

KERN PLS 4200-2F

KERN

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



Eccentric loading at 1/3 [Max]	0,03 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	✓
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
Material housing	plastic
Material weighing plate	stainless steel
Material platform	Stainless steel
Dimensions weighing surface (Ø)	160 mm
Levelling feet adjustable	✓

Functions	
Number of keys for operation	6
Auto-off interval(s) in mains power mode	off 5 min 2 min 15 min
Capacity display	✓
Time display	✓
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	✓
Standby function	✓
Recipe/summing level	Rez B (Net-total, memory with plain text designations + setpoint, also for printout)

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

Measuring System	
Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	4200 g
Weighing capacity [Max] (ct)	21000 ct
Readability [d]	0,01 g
Readability carat [d] (ct)	0,1 ct
Resolution	420.000
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	
Adjustment options	Adjusting with external weight
Recommended adjusting weight	4 kg (E2)
Possible calibration points	4 kg
Stabilization time	3 s
Warm-up time	4 h

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Recipe weighing - number of database entries	99
Recipe weighing - number of ingredients per database entry	20
Sum memory function	✓
Underfloor weighing	Eye (included in delivery)
Interfaces	RS-232 standard

Shipping weight	8,6 kg
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Services (optional)

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

Pictograms

STANDARD



OPTION



Counting

Smallest piece weight when piece counting - laboratory conditions	50 mg
Smallest piece weight when piece counting - normal conditions	500 mg
Counting reference weight can be entered	✓
Reference quantity	10, 25, 50, 100, n (any number of pieces)
Counting resolution (laboratory conditions)	84.000

Power Supply

Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Input voltage device / power [Max]	9 V DC, 1000 mA
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

Humidity 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)	450×320×300 mm
Net weight	3,2 kg
Shipping method	Parcel service
Net weight approx.	3,2 kg
Gross weight approx.	4,4 kg