KERN **PLS 4200-2F**

KERN

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

Warm-up time	4 h
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	✓

Category

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

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)

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
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	4 kg (E2)
Possible calibration points	4 kg
Stabilization time	3 s

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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

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

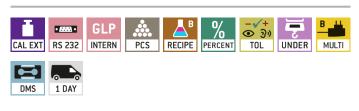|	
Humity of environment [Max]	80 %
Ambient temperature [Min]	15 °C
Ambient temperature [Max]	35 °C
Storage temperature [Max]	40 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	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

Shipping weight	8,6 kg

Services (optional)

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

Pictograms

STANDARD

CAL EXT	RS 232	GLP INTERN	PCS	RECIPE B	PERCENT %	TOL	UNDER B
DMS	1 DAY						

OPTION

DAkkS +3 DAYS