KERN **PLS 4200-2F**

KERN

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

ozt
tl (Singap, Malays)
ct
mo
lb
oz

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	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
Reproducibility	0,01 g
Linearity	± 0,04 g
USP Minimum weight of sample (k = 2, U = 0.1%)	20 g
Resolution	420.000
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
Eccentric loading at 1/3 [Max]	0,03 g
Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg
Default unit	g
Units	g gn dwt tl (Tw) tl (HK)

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

Sum memory 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	✓
Standby function	✓
Counting function	✓

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Counting resolution (laboratory conditions)	84.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	50 mg
Smallest piece weight when piece counting - normal conditions	500 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
Plug-in 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 UK US CH
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Input voltage device / power [Max]	9 V DC, 1000 mA

Environmental conditions

Ambient temperature [Min]	15 °C
Ambient temperature [Max]	35 °C
Humity of environment [Max]	80 %
Storage temperature [Max]	40 °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)	450×320×300 mm
Shipping method	Parcel service
Net weight approx.	3,2 kg
Gross weight approx.	4,4 kg
Shipping weight	8,6 kg

Pictograms

STANDARD

CAL EXT | RS 232 | GLP INTERN | PCS | RECIPE | PERCENT | TOL | UNDER | MULTI

DMS | 1 DAY

OPTION

DAkkS +3 DAYS