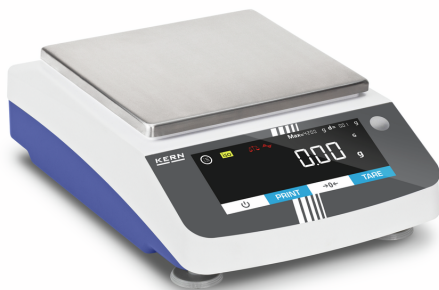


KERN PDS 4000-2

KERN

Precision balance with flexible functionality and touch display



Category

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

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Force compensation
Weighing capacity [Max]	4200 g
Readability [d]	0,01 g
Reproducibility	0,03 g
Linearity	± 0,03 g
USP Minimum weight of sample (k = 2, U = 0.1%)	60 g
Resolution	420.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	4 kg (E2)
Possible calibration points	2 kg; 4 kg
Stabilization time	3 s
Warm-up time	4 h
Eccentric loading at 1/3 [Max]	0,06 g
Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg
Default unit	g

Units

g
gn
dwt
tl (Tw)
ozt
ct
lb
oz
ffa

Display

Display type	LCD
Display type	LCD
Display backlight	✓
Display screen size	140×48 mm
Display segments	7
Display digit height	20 mm
Languages of the user interface	English Symbol language

Construction

Dimensions completely mounted (W×D×H)	207×318×110 mm
Dimensions weighing surface (W×D)	185×185 mm
Dimensions weighing surface	185×185 mm
Material housing	ABS plastic
Material weighing plate	stainless steel
Material draught shield	glass
Material display housing	glass
Level indicator	✓
Levelling feet adjustable	✓

Functions

Sum memory function	✓
Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Density determination	✓
Tolerance weighing	✓

Tolerance weighing - type of signal acoustically
visual

Underfloor weighing Hook (included in delivery)

Function for averaging under unstable weighing conditions	✓
Standby function	✓
Counting function	✓
Counting resolution (laboratory conditions)	42.000

Smallest piece weight when piece counting - laboratory conditions 100 mg

Smallest piece weight when piece counting - normal conditions 1 g

Reference quantity 1 ... 100

Peak function ✓
Statistic function ✓

Auto-off interval(s) in mains power mode off

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Tare function	manual (multi)
Number of keys for operation	4

Interface

Interfaces	RS-232 standard USB-Device
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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
Input voltage power supply / power [Max]	100 V - 240 V AC, 50 / 60 Hz
Input voltage device / power [Max]	12 V; 2 A

Environmental conditions

Ambient temperature [Min]	15 °C
Ambient temperature [Max]	25 °C
Humidity of environment [Min]	15 %
Humidity of environment [Max]	80 %
Storage temperature [Min]	-10 °C
Storage temperature [Max]	60 °C

Approval

CE mark	✓
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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)	370×470×340 mm
Shipping method	Parcel service
Net weight approx.	3,6 kg
Gross weight approx.	6 kg
Shipping weight	11,8 kg

Pictograms

STANDARD



OPTION

