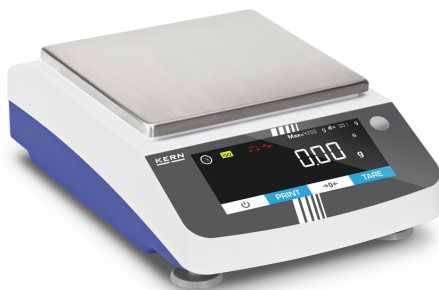


KERN PDS 4000-2

Precision balance with flexible functionality and touch display

KERN



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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 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	✓

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

kg
g
mg
gn
dwt
tl (Tw)
ozt
ct
lb

KERN PDS 4000-2



Precision balance with flexible functionality and touch display

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

