

# KERN AXS 100-4

Entry level analytical balance with compact housing and external adjustment



Display backlight	✓
Display screen size	96x24 mm
Display segments	7
Display digit height	16 mm
Languages of the user interface	Symbol language

## Construction

Dimension housing (W×D×H)	195×300×295 mm
Dimensions rectangular draught shield - inner (W×D×H)	175×150×205 mm
Dimensions rectangular draught shield - outer (W×D×H)	180×175×200 mm
Dimensions weighing surface (Ø)	80 mm
Dimensions weighing surface	80 mm
Material housing	ABS plastic
Material weighing plate	stainless steel
Material draught shield	glass
Material display housing	Plastics
Level indicator	✓
Levelling feet adjustable	✓

## Functions

Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Standby function	✓
Counting function	✓
Counting resolution (laboratory conditions)	120.000
Smallest piece weight when piece counting - laboratory conditions	1 mg
Smallest piece weight when piece counting - normal conditions	10 mg
Reference quantity	5, 10, 20, 50, 100, 200
Tare function	manual (multi)
Number of keys for operation	5

## Interface

Interfaces	RS-232 standard
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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

## Category

Brand	KERN
Product category	Laboratory balance
Product group	Analytical balance
Product family	AXS

## Measuring System

Construction type of the scale	Single-range balance
Weighing system	Force compensation
Weighing capacity [Max]	120 g
Readability [d]	0,0001 g
Reproducibility	0,0002 g
Linearity	± 0,0003 g
USP Minimum weight of sample (k = 2, U = 0.1%)	400 mg
Resolution	1.200.000
Tare range	120 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	100 g (E2)
Stabilization time	3 s
Warm-up time	8 h
Eccentric loading at 1/3 [Max]	0,0003 g
Maximum creep (15 minutes)	1 mg
Maximum creep (30 minutes)	2 mg
Default unit	g
	g
Units	mg
	ct
	oz

## Display

Display type	LCD
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Input voltage device / power [Max] 9 V, 3 A

## Environmental conditions

Ambient temperature [Min]	15 °C
Ambient temperature [Max]	25 °C
Humidity of environment [Min]	20 %
Humidity of environment [Max]	85 %
Use temperature [Min]	15 °C
Use temperature [Max]	25 °C
Storage temperature [Min]	-10 °C
Storage temperature [Max]	40 °C

## Approval

CE mark ✓

## Services (optional)

Article number for DAkkS calibration	963-101
Article number for certificate of conformity	969-517

## Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	320×430×415 mm
Shipping method	Parcel service
Net weight approx.	5,0 kg
Gross weight approx.	8 kg
Shipping weight	11,4 kg

## Pictograms

### STANDARD



### OPTION





# WolfLabs

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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.