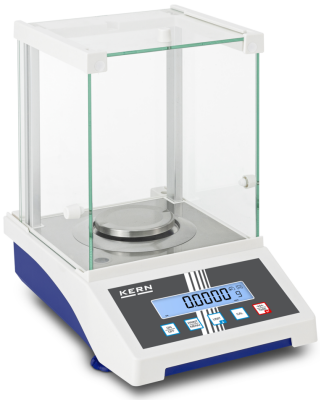
KERN **AXE 100-4**

Entry level analytical balance with compact housing and internal adjustment



Date of creation: 30.08.2026

Category	
Brand	KERN
Product category	Laboratory balance
Product group	Analytical balance
Product family	AXE

Measuring System	
Weighing system	Force compensation
Weighing capacity [Max]	120 g
USP Minimum weight of sample (k = 2, U = 0.1%)	1 g
Readability [d]	0,0001 g
Reproducibility	0,0005 g
Linearity	± 0,0007 g
Resolution	1.200.000
Tare range	120 g
Adjustment options	Internal calibration (automatic)
Recommended adjusting weight	100 g (E2)
Possible calibration points	100 g
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,0003 g
Construction type of the scale	Single-range balance
Units	g mg ct oz
Maximum creep (15 minutes)	1 mg
Maximum creep (30 minutes)	2 mg
Default unit	g

Display	
Display type	LCD
Display backlight	✓
Display screen size	96×24 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	plastic
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
Peak function	✓
Tare function	manual (multi)
Number of keys for operation	5

Interface	
Interfaces	RS-232 standard

Power Supply	
Supplied power supply	Power supply unit
Power supply type	Power adapter

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Plug-in power supply / adapter for countries - included with the delivery	EURO 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 AC, 50 / 60 Hz
Power supply cable removable	removable
Input voltage device / power [Max]	9 V, 3 A
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 9,5 mm

Environmental conditions

Ambient temperature [Min]	15 °C
Ambient temperature [Max]	25 °C
Humity of environment [Min]	20 %
Humity 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
Shipping volume weight	11,4 kg

Product information

GTIN/EAN number	4045761478923
Trade number	90160010
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD

OPTION