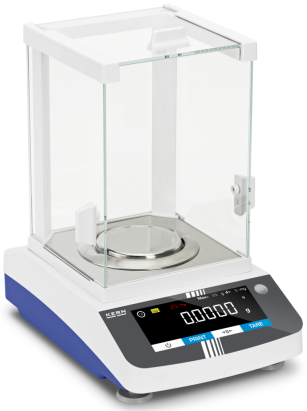
KERN **ADS 100-4**

Analytical balance with flexible functionality and touch display



Date of creation: 24.10.2026

Category

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

Measuring System

Weighing system	Force compensation
Weighing capacity [Max]	120 g
USP Minimum weight of sample (k = 2, U = 0.1%)	600 mg
Readability [d]	0,0001 g
Reproducibility	0,0003 g
Linearity	± 0,0003 g
Resolution	1.200.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	100 g (E2)
Possible calibration points	100 g; 120 g
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,0006 g
Construction type of the scale	Single-range balance
Units	kg g mg gn dwt tl (Tw) ozt ct lb N oz ffa
Maximum creep (15 minutes)	1 mg
Maximum creep (30 minutes)	2 mg
Default unit	g
Warm-up time	8 h

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)	207×318×360 mm
Dimensions rectangular draught shield - inner (W×D×H)	174×162×228 mm
Dimensions rectangular draught shield - outer (W×D×H)	201×220×256 mm
Dimensions weighing surface (Ø)	90 mm
Dimensions weighing surface	90 mm
Material housing	ABS plastic
Material weighing plate	stainless steel
Material draught shield	glass
Material display housing	glass
Level indicator	✓
Levelling feet adjustable	✓

Functions

Density determination	✓
Peak function	✓
Percentage determination	✓
Standby function	✓
Statistic function	✓
Sum memory function	✓
Function for averaging under unstable weighing conditions	✓
Tolerance weighing	✓
Counting function	✓

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Auto-off interval(s) in mains power mode	off
Tare function	manual (multi)
Underfloor weighing	Hook (included in delivery)
Counting resolution (laboratory conditions)	120.000
Smallest piece weight when piece counting - laboratory conditions	1 mg
Reference quantity	5, 10, 20, 50, 100
Recipe/summing level	Rez A (Net total)
Number of keys for operation	4
Smallest piece weight when piece counting - normal conditions	10 mg
Tolerance weighing - type of signal	acoustically visual

Interface

Interfaces	RS-232 standard USB-Device

Power Supply

Supplied power supply	Power supply unit
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
Power supply cable removable	removable
Input voltage device / power [Max]	12 V; 2 A
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 10,8 mm
Battery capacity	40 mAh
Battery voltage	3 V
Battery – Number of cells	1
Battery – Individual weight	0,8 g
Battery – Total weight	0,8 g
Battery – Lithium content	55 mg
Battery – Tests passed UN 38.3	✓

Environmental conditions

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

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)	400×510×570 mm
Shipping method	Parcel service
Net weight approx.	6 kg
Gross weight approx.	8 kg
Shipping weight	23,3 kg
Shipping volume weight	23,3 kg

Product information

GTIN/EAN number	4045761481473
Trade number	90160010
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

